Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)

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Fri, 6 Aug 2004 16:10:43 -0400.

The latest version can always be found at
http://www.citi.umich.edu/projects/nfsv4/linux/

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1.6 resourcelocator 1.0.1
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1.13 libutempter 1.1.6

1.14 unzip 6.0-19.el7

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1.15 device-mapper-multipath 0.4.9
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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* /opt/cola/permits/1111391497_1606905831.98/0/spring-aop-4-3-14-release-sources-1.jar/org/springframework/aop/framework/adapter/AfterReturningAdviceAdapter.java
* /opt/cola/permits/1111391497_1606905831.98/0/spring-aop-4-3-14-release-sources-1.jar/org/springframework/aop/framework/dynamic/BeanFactoryRefreshableTargetSource.java
* /opt/cola/permits/1111391497_1606905831.98/0/spring-aop-4-3-14-release-sources-1.jar/org/springframework/aop/framework/dynamic/HotSwappableTargetSource.java
* /opt/cola/permits/1111391497_1606905831.98/0/spring-aop-4-3-14-release-sources-1.jar/org/springframework/aop/framework/AopInvocationException.java
* /opt/cola/permits/1111391497_1606905831.98/0/spring-aop-4-3-14-release-sources-1.jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java

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* /opt/cola/permits/1111391497_1606905831.98/0/spring-aop-4-3-14-release-sources-1-
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1.26 hk2-api 2.3.0-b10

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1.28 sysklogd 1.4.1

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1.29 openjdk 1.7.0u261

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## DOM Level 3 Core Specification v1.0

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* taken from Mark Leisher's xmbdfed package
* */

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## xwd v1.0.7

### xwd utility

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include/GL/g1.h:

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include/GL/glext.h
include/GL/glxext.h
include/GL/wglxext.h

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1.32 simpleclient-servlet 0.5.0

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1.33 gmbal-api-only 3.0.0-b023

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1.34 jackson-module-parameter-names 2.10.2

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1.35 metrics-annotation 4.0.5

1.36 json-c 0.99.4-3.el7
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1.37 gamin 0.1.10

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1.38 jackson-jaxrs 2.9.9

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# Jackson JSON processor

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

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1.39 jackson-annotations 2.10.3

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK
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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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  jar/org/springframework/expression/TypeLocator.java
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* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1.jar/org/springframework/expression/spel/ExpressionException.java
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  jar/org/springframework/expression/spel/support/StandardTypeLocator.java
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  jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
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jar/org/springframework/expression/spel/ast/OperatorPower.java
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jar/org/springframework/expression/spel/ast/StringLiteral.java
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jar/org/springframework/expression/spel/ast/AstUtils.java
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1.68 util-linux 2.23.2-59.el7

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot   Start     End     Blocks   Id  System
--------------

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot   Start     End     Blocks   Id  System
__ts_dev__1   2048     4095     1024   83  Linux

Create 2st primary partition
Set 2nd partition type

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
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<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td></td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD

---layout---------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

---------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout---------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):
BSD disklabel command (m for help):
4 partitions:

#       start       end      size     fstype  [fsize bsize   cpg]
a:  4096     6144        2049      4.2BSD        0     0     0
c:  4096    20479        16384     unused        0     0
b:  0     16064        16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused      5  4.1BSD      9  4.4LFS  d  boot
1  swap       6  Eighth Edition  a  unknown  e  ADOS
2  Version 6   7  4.2BSD      b   HPFS   f   HFS
3  Version 7  8  MS-DOS       c  ISO-9660  10  AdvFS
4  System V

BSD disklabel command (m for help):
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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0

---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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[section:mpl MPL Interoperability]

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

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

[endsect]
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//
//
/////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

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

#include <cstddef>
namespace boost {
 namespace interprocess {
 namespace ipcdetail {

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

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

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

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

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

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

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

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

template <class T, class U>

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

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

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

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

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

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

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

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

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

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

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

#endif   //#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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

#include <cstddef>

namespace boost {
namespace container {
namespace container_detail {

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

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

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

}}}]]}
typedef false_false_type;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
</html>
All the value based traits in this library conform to MPL’s requirements for an Integral Constant type that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `true_type` inherits from `<code class="computeroutput">boost::mpl::true_</code>`, `false_type` inherits from `<code class="computeroutput">boost::mpl::false_</code>`, and `integral_constant<T,v>` inherits from `<code class="computeroutput">boost::mpl::integral_c<T,v></code>` (provided `T` is not `<code class="computeroutput">bool</code>`).
Boost.Geometry (aka GGL, Generic Geometry Library)

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Index: boost/mpl/print.hpp

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

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#endif BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#include <boost/intrusive/detail/config_begin.hpp>
#include <cstddef>

namespace boost {
namespace intrusive {
namespace detail {

typedef char one;
struct two {one _[2];};

template< bool C_ >
struct bool_
{
    static const bool value = C_;
};

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

typedef true_  true_type;
typedef false_ false_type;

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

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};
} // namespace detail
} // namespace intrusive
} // namespace boost

#include <boost/intrusive/detail/config_end.hpp>
template <class T>
struct enable_if_c<false, T> {};

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

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

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

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

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

template<
    typename C ,
    typename T1 ,
    typename T2
>

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

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

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

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};

#if defined(BOOST_MSVC) || defined(__BORLANDC_)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TT_DECL
#endif
#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !defined(_WIN64) &&
!defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

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

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


#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

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

#endif

#endif // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

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

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

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

#ifndef _MANAGED

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

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

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

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

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

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

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

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

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

#ifndef _MANAGED

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

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

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

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

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

template <typename T> struct alignment_of;

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

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

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

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

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

static T *t;
static U *u;

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

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

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

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

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

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

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

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

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

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

    struct empty_helper_t2
    { int i[256]; };;

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

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

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

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

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

#include <boost/intrusive/detail/config_end.hpp>
Maybe this should pass?

The following people hereby grant permission to replace all existing licenses on their contributions to Boost with the Boost Software License, Version 1.0.

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/**
 *
 * Copyright (c) 2003 Dr John Maddock
 * Use, modification and distribution is subject to the
 * Boost Software License, Version 1.0. (See accompanying file
 * LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
 *
 */

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

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

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

std::string make_link_target(const std::string & s)
{ // convert an arbitrary string into something suitable
  // for an <a> name:
  std::string result;
  for(unsigned i = 0; i < s.size(); ++i)
  { result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_')); }
  return result; }

void bcp_implementation::output_license_info()
{ std::pair<const license_info *, int> licenses = get_licenses();

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

  std::ofstream os(m_dest_path.string().c_str());
  if(!os)
  { std::string msg("Error opening ");
    msg += m_dest_path.string();
    msg += " for output."
    std::runtime_error e(msg);
    boost::throw_exception(e); }
  os << "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 Transitional//EN\"\n"
"<head>
"<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os << "</title>
"<head>
"<body>
"<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os << "</H1>
"<H2>Contents</h2>
"<pre><a href="#input">Input Information</a>
if(!m_bsl_summary_mode)
    os << "<a href="#summary">Licence Summary</a>
os << "<a href="#details">Licence Details</a>
while(i != j)
{
    // title:
    os << "   <A href="## << make_link_target(licenses.first[i->first].license_name)
    << ">" << licenses.first[i->first].license_name << "</a>";
    ++i;
}

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

os << " <a href="#depend">File Dependency Information</a>
"</pre>"
// input Information:
//
// os << "<a name="input"></a><h2>Input Information</h2>
//
if(m_scan_mode)
  os << "<P>The following files were scanned for boost dependencies:<BR>");
else
  os << "<P>The following Boost modules were checked:<BR>");

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
  os << *si << "<BR>");
  ++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>");

//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("\#define BOOST_VERSION(\d+)+\d+\d+\d+");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
  int version = boost::lexical_cast<int>(what.str(1));
os << "</p><p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "</p>\n"; 
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
  //
  // start with the summary:
  //
os << "<a name="summary"></a><h2>Licence Summary</h2>
while(i != j)
{
  // title:
  os << "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";

// Copyright holders:
os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="#" make_link_target(licenses.first[i->first].license_name)>(see details)</a>";
os << "</P></BLOCKQUOTE>\n";
++i;
}
}

// and now the details:

i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="details"></a><h2>Licence Details</h2>
while(i != j)
{

// title:
os << "<H3><A name="" make_link_target(licenses.first[i->first].license_name)></a>" << licenses.first[i->first].license_name << "</H3>\n";

// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
if(!m_bsl_summary_mode || (license_index >= 3))
{

// Copyright holders:
os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:<P>\n<BLOCKQUOTE>\n";
std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
os << *x << "<BR>\n";
++x;
}
os << "</P></BLOCKQUOTE>\n";

// Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << " files:<P>\n<BLOCKQUOTE>\n";
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
os << split_path(m_boost_path, *m) << "<br>\n";
}
++m;
} os << "</P></BLOCKQUOTE>\n";
} else {
  os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
  os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
} ++license_index;
++i;
} // Output list of files not found to be under license control:
//
// os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2>
";
"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P>\n";
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>\n";
  ++i2;
} os << "</P></BLOCKQUOTE>";
// // Output list of files with no found copyright holder:
//
// os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2>
";
"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>\n";
  ++i2;
} os << "</P></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
  // Output list of files that have been moved over to the Boost
  // Software License, along with enough information for human
  // verification.
  //
Files that can be automatically converted to the Boost Software License

The following files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:

```
if (!m_converted_to_bsl.empty())
{
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
    ie = m_converted_to_bsl.end();
    int file_num = 1;
    while (i != ie)
    {
        os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
        << "</tt><br>
        <table border="1"><tr><td><pre>
        " << i->second.first << "
        </pre></td><td><pre>
        " << i->second.second << "
        </pre></td></tr></table>
        "++i;
        ++file_num;
    }
}
```

Files that could be converted to the Boost Software License

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

```
for (i2 = m_can_migrate_to_bsl.begin();
    j2 = m_can_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "\n";
        ++i2;
    }
```

Files that can NOT be converted to the Boost Software License because we need the permission of more authors:

```
for (i2 = m_cannot_migrate_to_bsl.begin();
    j2 = m_cannot_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "\n";
        ++i2;
    }
```
Authors we need for the BSL

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

```cpp
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
          std::ostream_iterator<std::string>(os, "<br>"));
```

output a table of copyright information:

```cpp
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><td>";
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " ";
        ++fi;
    }
    os << "</td></tr>\n";
    ++ad;
} os << "</table>\n";
```

output file dependency information:

```cpp
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
```
bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
  ::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
  ie = m_converted_to_bsl.end();
while(i != ie)
{
  bad_paths.insert(i->first);
  ++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
  os << split_path(m_boost_path, *fi);
  dep = m_dependencies.find(*fi);
  last_dep = m_dependencies.end();
  std::set<fs::path, path_less> seen_deps;
  if (dep != last_dep)
    while(true)
    {
      os << " -> ";
      if(fs::exists(m_boost_path / dep->second))
        os << split_path(m_boost_path, dep->second);
      else if(fs::exists(dep->second))
        os << split_path(fs::path(), dep->second);
      else
        os << dep->second.string();
      if(seen_deps.find(dep->second) != seen_deps.end())
        {
          os << " <I>(Circular dependency!)</I>";
          break; // circular dependency!!!
        }
      seen_deps.insert(dep->second);
      last_dep = dep;
      dep = m_dependencies.find(dep->second);
      if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
        break;
    }
  os << "\n";
  ++fi;
}
os << "</pre></BLOCKQUOTE>\n";
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

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

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-----------

. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec
   <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.

The complete snprintf package together with documentation is available from

   http://www.ijs.si/software/snprintf/ .

. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

The original package can be found at

   src/preproc/grn/gprint.h
   src/preproc/grn/hdb.cpp
   src/preproc/grn/hgraph.cpp
   src/preproc/grn/hpoint.cpp
The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

```
src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c
```

```
src/include/DviChar.h
src/include/XFontName.h
```

```
src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c
```

Macro Packages
--------------

The `-mdoc` macro set, using the BSD license.

```
tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
```
Hyphenation Patterns

The file `tmac/hyphen.us` is identical to the file `hyphen.tex`, part of the TeX system written by Donald E. Knuth; the master file can be found at


It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>`, e.g. `hyphen.de` or `hyphen.uk`.

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The file `tmac/hyphen.fr` contains the same patterns as the file `frhyph.tex` (for TeX), which can be found at


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The file `tmac/hyphen.sv` is identical to the file `svhyph.tex`, which can be found at


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The files `tmac/hyphen.det` and `tmac/hyphen.den` contain the same patterns as the files `dehyphn.tex` and `dehypht.tex` (for TeX), which can be found at
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The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex', which can be found at

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The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

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1.82 cracklib 2.9.0-11.el7

1.82.1 Available under license:

----------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
----------

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
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-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
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=2Dmike

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Nathan Neulinger
EMail: nneul@um...
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Thus LGPL-2.1 enters to fill this void.

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

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I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
--
If it's sinful, it's more fun.
Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
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> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > > Seems like the ideal thing here would be for you and the other distro
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In any case, I thank you both for working on sorting this out.

Looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.
>>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:

> In any case, I thank you both for working on sorting this out.
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
 by scanin-ipv6.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
 by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
 for <nneul@umr.edu>;
 Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
 by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
 for <nneul@neulinger.org>;
 Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
 by rutherford.zen.co.uk with esmtp (Exim 4.50)
 id 11c0x-004Qt-6L
 for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3f6d80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3f6d80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBEFEBE6E9F@crypticide.com>
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version
2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

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Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
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will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.
Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL.

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike
CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtrp020623
  for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
  by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
  for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
  Received: from [82.68.43.14] (helo=[192.168.1.3])
  by rutherford.zen.co.uk with esmtpl (Exim 4.50)
  id 1HcOcX-0004Qt-6L
  for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
          <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
          <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=fixeded
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585

Lines: 21

> ---------- Forwarded message ----------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > in the repository and clean up the repository/tarballs? I have all the
> > original discussion, but something succinct and self contained
> > would be
> > ideal.
>
> The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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a) Accompany the work with the complete corresponding
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with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
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to use the modified definitions.)

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

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

That's all there is to it!

1.83 logging-interceptor 3.12.12
1.83.1 Available under license :
No license file was found, but licenses were detected in source scan.

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069127318_1594491641.29/0/logging-interceptor-3-12-12-sources-jar/okhttp3/logging/HttpLoggingInterceptor.java
No license file was found, but licenses were detected in source scan.

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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069127318_1594491641.29/0/logging-interceptor-3-12-12-sources-
jar/okhttp3/logging/LoggingEventListener.java

1.84 libpwquality 1.2.3-4.el7

1.84.1 Available under license:

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1.94 jackson-module-afterburner 2.11.2

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1.95 classmate 1.1.0

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  jar/javax/validation/constraints/AssertTrue.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/constraints/Size.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/Payload.java
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  jar/javax/validation/constraints/AssertFalse.java
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  jar/javax/validation/Constraint.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/constraints/Null.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/spi/ValidationProvider.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/metadata/ElementDescriptor.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/metadata/ConstraintDescriptor.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/constraints/Pattern.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/ConstraintDefinitionException.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/ConstraintValidator.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/constraints/Digits.java
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  jar/javax/validation/GroupDefinitionException.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/UnexpectedTypeException.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/metadata/Scope.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/constraints/Future.java
* /opt/cola/permits/110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
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  jar/javax/validation/ValidationProviderResolver.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/Validation.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/groups/Default.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/constraints/Max.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/spi/BootstrapState.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/ValidationException.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/ConstraintDeclarationException.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/OverridesAttribute.java
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  jar/javax/validation/ValidatorFactory.java
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  jar/javax/validation/executable/ValidateOnExecution.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/metadata/ReturnValueDescriptor.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/ElementKind.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/Validator.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4.jar/javax/validation/Path.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4.jar/javax/validation/constraints/DecimalMin.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/metadata/ParameterDescriptor.java

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  jar/javax/validation/constraintvalidation/ValidationTarget.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/bootstrap/package-info.java
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  jar/javax/validation/constraintvalidation/SupportedValidationTarget.java
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  jar/javax/validation/constraintvalidation/package-info.java
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jar/javax/validation/ConstraintTarget.java
*/
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jar/javax/validation/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/constraints/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
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46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
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49. [53]Michael Shields <shields@tembels.org> USNO clock driver
50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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1.109 pcre 8.32 15.el7

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1.110 metrics-servlets 4.0.5

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1.113 log-rotate 3.8.6

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1.114 datatype 1.4.01

1.115 hibernate-validator 5.4.2.Final
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jar/org/hibernate/validator/internal/util/TypeHelper.java

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 * Hibernate Validator, declare and validate application constraints
 */

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*/
/**
* A method-level constraint, that evaluates a script expression against the
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated
* executable.
* </p>
* </p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [@link javax.validation.ParameterNameProvider], By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
* </p>
* </p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* { @code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... } }
* </pre>
* </p>
* Can be specified on any method or constructor.
* </p>
* *
* @author Gunnar Morling
*/

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*/opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
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*
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  jar/org/hibernate/validator/messageinterpolation/ResourceBundleMessageInterpolator.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
  jar/org/hibernate/validator/cfg/defs/URLDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
  jar/org/hibernate/validator/internal/engine/ValidatorImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
  jar/org/hibernate/validator/internal/constraintvalidators/br/CNPJValidator.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
  jar/org/hibernate/validator/internal/metadata/facets/Cascadable.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
  jar/org/hibernate/validator/engine/HibernateConstraintViolation.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
  jar/org/hibernate/validator/constraints/br/CPF.java
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  jar/org/hibernate/validator/resourceloading/AggregateResourceBundleLocator.java
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  jar/org/hibernate/validator/constraints/Currency.java
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  jar/org/hibernate/validator/resourceloading/MappingXmlParser.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
  jar/org/hibernate/validator/engine/HibernateConstraintViolation.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/engine/messageinterpolation/util/InterpolationHelper.java
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jar/org/hibernate/validator/internal/util/scriptengine/ScriptEvaluator.java
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jar/org/hibernate/validator/cfg/defs/ParameterScriptAssertDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/cfg/context/AnnotationIgnoreOptions.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/constraintvalidators/hv/EmailValidator.java
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jar/org/hibernate/validator/constraints/CreditCardNumber.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/util/IgnoreJava6Requirement.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/cfg/context/ConstraintDefinitionTarget.java
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jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfFloat.java
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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/aggregated/ConstraintMetaData.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/engine/messageinterpolation/el/SimpleELContext.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/Token.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/descriptor/ReturnValueDescriptorImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/util/privilegedactions/NewInstance.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/config/context/CrossParameterConstraintMappingContextImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/core/AnnotationProcessingOptions.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorManager.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/aggregated/BeanMetaDataImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
jar/org/hibernate/validator/cfg/defs/Mod11CheckDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/util/classhierarchy/ClassHierarchyHelper.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/xml/ConstrainedTypeBuilder.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/xml/XmlParserHelper.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/context/ConstraintDefinitionContext.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/util/stereotypes/Immutable.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/defs/ScriptAssertDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/engine/ValueContext.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/defs/SizeDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/input/package-info.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/DigitsValidatorForCharSequence.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/metadata/provider/MetaDataProvider.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/Email.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/input/constraintvalidators/bv/future/FutureValidatorForReadableInstant.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/context/MethodTarget.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/GenericConstraintDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/input/constraintvalidators/bv/PastDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/xml/ResourceLoaderHelper.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/metadata/aggregated/PropertyMetaData.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/util/logging/Log.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/defs/br/TituloEleitoralDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/defs/Mod10CheckDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/xml/BootstrapConfigurationImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/xml/ValidationBootstrapParameters.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/iptool/EngineContext.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/iptool/MessageInterpolator.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/iptool/messageinterpolation/parser/InterpolationTermState.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/newsources/bv/past/PastValidatorForChronoZonedDateTime.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/newsources/CollectionOfClassesObjectFormatter.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/newsources/SizeValidatorForMap.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/newsources/Unmarshal.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/newsources/ValidationMessages.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/newsources/ValidationTest.java

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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/util/annotationfactory/AnnotationDescriptor.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/spi/time/TimeProvider.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/engine/messageinterpolation/ElTermResolver.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/util/annotationfactory/AnnotationProxy.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/spi/group/DefaultGroupSequenceProvider.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/cfg/context/ConfiguredConstraint.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/engine/ValidationContext.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/spi/valuehandling/package-info.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/metadata/aggregate/ReturnValueMetaData.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/engine/valuehandling/OptionalValueUnwrapper.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/context/Unwrapable.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/constraintvalidators/Range.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/constraints/Range.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/constraints/URL.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/context/Unwrapable.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/defs/br/CNPJDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/constraints/Range.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/constraints/URL.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/context/Unwrapable.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/defs/NullDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/context/ParameterConstraintMappingContextImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredField.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/cfg/defs/RangeDef.java
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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

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* @return A list with parameter meta data for the given executable.
*/

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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/org/hibernate/validator/constraints/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/META-INF/validation-configuration-1.0.xsd
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/org/hibernate/validator/spi/group/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/org/hibernate/validator/internal/metadata/core/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/org/hibernate/validator/internal/metadata/location/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/org/hibernate/validator/internal/cfg/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4.jar/org/hibernate/validator/internal/metadata/aggregated/package.html
1.116 snake-yaml 1.12

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1.117 libnfsidmap 0.25-12.el7

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1.118 nginx 1.14.2

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1.119 libffi 3.0.13 16.el7

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1.120 jackson-dataformat-cbor 2.6.6

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1.121 json-c 0.99.4 2.el7
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1.122 sshfs-fuse 2.3

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.129 libtool 2.4.2 22.el7_3

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during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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1.140 llvm 6.0.1-2.el7

1.140.1 Available under license :

; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s :
; Test that early if conversion produces LOCR with operands of the right ; register classes.

define void @autogen_SD4739(i8*) [
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
%L34 = load i8, i8* %0
%Cmp56 = icmp sgt i8 undef, %L34
br label %CF246

CF246: ; preds = %CF246, %BB
%Sl163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248

CF248: ; preds = %CF248, %CF246
store i8 %Sl163, i8* %0
br label %CF248
]
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; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit |
 FileCheck %s

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
 ; CHECK-LABEL: add256:
 ; CHECK:       # %bb.0:
 ; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
 ; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
 ; CHECK-NEXT:  vpadd (%rsi), %ymm0, %ymm0
 ; CHECK-NEXT:  vpadd 32(%rsi), %ymm1, %ymm1
 ; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
 ; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
 ; CHECK-NEXT:  vzeroupper
 ; CHECK-NEXT:  retq

  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
 ; CHECK-LABEL: add512:
 ; CHECK:       # %bb.0:
 ; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
 ; CHECK-NEXT:  vpadd (%rsi), %zmm0, %zmm0
 ; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
 ; CHECK-NEXT:  vzeroupper
 ; CHECK-NEXT:  retq

  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
    CHECK-LABEL: avg_v64i8_256:
    CHECK:     # %bb.0:
    CHECK-NEXT: vmovdqa (%rsi), %ymm0
    CHECK-NEXT: vmovdqa 32(%rsi), %ymm1
    CHECK-NEXT: vpavgb (%rdi), %ymm0, %ymm0
    CHECK-NEXT: vpavgb 32(%rdi), %ymm1, %ymm1
    CHECK-NEXT: vmovdqu %ymm1, (%rax)
    CHECK-NEXT: vmovdqu %ymm0, (%rax)
    CHECK-NEXT: vzeroupper
    CHECK-NEXT: retq

    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, <64 x i32> %4
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, 6
    %8 = trunc <64 x i32> %7 to <64 x i8>
    store <64 x i8> %8, <64 x i8>* undef, align 4
    ret void
}

define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
    CHECK-LABEL: avg_v64i8_512:
    CHECK:     # %bb.0:
    CHECK-NEXT: vmovdqa64 (%rsi), %zmm0
    CHECK-NEXT: vpavgb (%rdi), %zmm0, %zmm0
    CHECK-NEXT: vmovdqu64 %zmm0, (%rax)
    CHECK-NEXT: vzeroupper
    CHECK-NEXT: retq

    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, <64 x i32> %4
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, 6
    %8 = trunc <64 x i32> %7 to <64 x i8>
    store <64 x i8> %8, <64 x i8>* undef, align 4
    ret void
}
define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {  
  ; CHECK-LABEL: pmaddwd_32_256:  
  ; CHECK:    # %bb.0:  
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0  
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1  
  ; CHECK-NEXT: vpmaddwd (%rsi), %ymm0, %ymm0  
  ; CHECK-NEXT: vpmaddwd 32(%rsi), %ymm1, %ymm1  
  ; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)  
  ; CHECK-NEXT: vmovdqa %ymm0, (%rdx)  
  ; CHECK-NEXT: vzeroupper  
  ; CHECK-NEXT: retq  
  %A = load <32 x i16>, <32 x i16>* %APtr  
  %B = load <32 x i16>, <32 x i16>* %BPtr  
  %a = sext <32 x i16> %A to <32 x i32>  
  %b = sext <32 x i16> %B to <32 x i32>  
  %m = mul nsw <32 x i32> %a, %b  
  %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>  
  %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>  
  %ret = add <16 x i32> %odd, %even  
  store <16 x i32> %ret, <16 x i32>* %CPtr  
  ret void  
}  

define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {  
  ; CHECK-LABEL: pmaddwd_32_512:  
  ; CHECK:    # %bb.0:  
  ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0  
  ; CHECK-NEXT: vpmaddwd (%rsi), %zmm0, %zmm0  
  ; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)  
  ; CHECK-NEXT: vzeroupper  
  ; CHECK-NEXT: retq  
  %A = load <32 x i16>, <32 x i16>* %APtr  
  %B = load <32 x i16>, <32 x i16>* %BPtr  
  %a = sext <32 x i16> %A to <32 x i32>
%b = sext <32 x i16> %B to <32 x i32>
%m = mul nsw <32 x i32> %a, %b
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
%ret = add <16 x i32> %odd, %even
store <16 x i32> %ret, <16 x i32>* %CPtr
ret void

define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {
; CHECK-LABEL: psubus_64i8_max_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdq (%rdi), %ymm0
; CHECK-NEXT:  vmovdq 32(%rdi), %ymm1
; CHECK-NEXT:  vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT:  vpsubusb 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT:  vmovdq %ymm1, 32(%rdx)
; CHECK-NEXT:  vmovdq %ymm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="512" {
; CHECK-LABEL: psubus_64i8_max_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdq64 (%rdi), %zmm0
; CHECK-NEXT:  vpsubusb (%rsi), %zmm0, %zmm0
; CHECK-NEXT:  vmovdq64 %zmm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {

    ; CHECK-LABEL:  _Z9test_charPcS_i_256:
    ; CHECK:       # %bb.0: # %entry
    ; CHECK-NEXT:    movl %edx, %eax
    ; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT:    xorl %ecx, %ecx
    ; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT:    vpxor %xmm2, %xmm2, %xmm2
    ; CHECK-NEXT:    .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB8_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %ymm3
    ; CHECK-NEXT:    vpmovsxbw 16(%rdi,%rcx), %ymm4
    ; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %ymm5
    ; CHECK-NEXT:    vpmaddwd %ymm3, %ymm5, %ymm3
    ; CHECK-NEXT:    vpadd %ymm1, %ymm3, %ymm1
    ; CHECK-NEXT:    vpmaddwd %ymm4, %ymm3, %ymm3
    ; CHECK-NEXT:    vpadd %ymm2, %ymm3, %ymm2
    ; CHECK-NEXT:    addq $32, %rcx
    ; CHECK-NEXT:    cmpq %rcx, %rax
    ; CHECK-NEXT:    jne .LBB8_1
    ; CHECK-NEXT:  # %bb.2: # %middle.block
    ; CHECK-NEXT:    vpaddd %ymm0, %ymm1, %ymm1
    ; CHECK-NEXT:    vpaddd %ymm0, %ymm2, %ymm0
    ; CHECK-NEXT:    vpaddd %ymm0, %ymm1, %ymm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,2,3]
    ; CHECK-NEXT:    vmovd %xmm0, %eax
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq

    entry:
    ; %3 = zext i32 %2 to i64
    br label %vector.body

    vector.body:
    %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
    %vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
    %4 = getelementptr inbounds i8, i8* %0, i64 %index
    %5 = bitcast i8* %4 to <32 x i8>*
    %wide.load = load <32 x i8>, <32 x i8>* %5, align 1
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%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, 
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, 
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf1
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, 
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, 
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}
define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {
; CHECK-LABEL: _Z9test_charPcS_i_512:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx
; CHECK-NEXT: ret
entry:
  %3 = zext i32 %2 to i64
  br label %vector.body

vector.body:
  %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
  %vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
  %4 = getelementptr inbounds i8, i8* %0, i64 %index
  %5 = bitcast i8* %4 to <32 x i8>*
  %wide.load = load <32 x i8>, <32 x i8>* %5, align 1
  %6 = sext <32 x i8> %wide.load to <32 x i32>
  %7 = getelementptr inbounds i8, i8* %1, i64 %index
  %8 = bitcast i8* %7 to <32 x i8>*
  %wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
  %9 = sext <32 x i8> %wide.load14 to <32 x i32>
  %10 = mul nsw <32 x i32> %9, %6
  %11 = add nsw <32 x i32> %10, %vec.phi
  %index.next = add i64 %index, 32
  %12 = icmp eq i64 %index, %3
  br i1 %12, label %middle.block, label %vector.body

middle.block:
  %rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32>
  %13 = call void @__zcast.i32.i32.i32.i32.i32.i32.i32
  %14 = load i8* %rdx.shuf1, align 1
  %15 = bitcast i8* %14 to <32 x i8>*
  %16 = load <32 x i8>, <32 x i8>* %15, align 1
  %17 = sext <32 x i8> %16 to <32 x i32>
  %18 = mul nsw <32 x i32> %17, %14
  %19 = add nsw <32 x i32> %18, %vec.phi
  %index.next = add i64 %index, 32
  %20 = icmp eq i64 %index, %3
  br i1 %20, label %middle.block, label %vector.body

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define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
    ; CHECK-LABEL: sad_16i8_256:
    ; CHECK:       # %bb.0: # %entry
    ; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT:    movq $-1024, %rax # imm = 0xFC00
    ; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT:    .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB10_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vmovdqu a+1024(%rax), %xmm2
    ; CHECK-NEXT:    vpsadbw b+1024(%rax), %xmm2, %xmm2
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm2, %ymm1
    ; CHECK-NEXT:    addq $4, %rax
    ; CHECK-NEXT:    jne .LBB10_1
    ; CHECK-NEXT:  # %bb.2: # %middle.block
    ; CHECK-NEXT:    vpaddd %ymm0, %ymm1, %ymm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm1
    ; CHECK-NEXT:    .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB11_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vmovdqu a+1024(%rax), %xmm2
    ; CHECK-NEXT:    vpsadbw b+1024(%rax), %xmm2, %xmm2
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm2, %ymm1
    ; CHECK-NEXT:    addq $4, %rax
    ; CHECK-NEXT:    jne .LBB11_1
    ; CHECK-NEXT:  # %bb.3: # %exit
    ; CHECK-NEXT:    vpaddd %ymm0, %ymm1, %ymm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm1
    ret i32 %13
}
; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vmovd %xmm0, %eax
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

entry:
  br label %vector.body

vector.body:
  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
  %2 = zext <16 x i8> %wide.load to <16 x i32>
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
  %5 = zext <16 x i8> %wide.load1 to <16 x i32>
  %6 = sub nsw <16 x i32> %2, %5
  %7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
  %8 = sub nsw <16 x i32> zeroinitializer, %6
  %9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
  %10 = add nsw <16 x i32> %9, %vec.phi
  %index.next = add i64 %index, 1024
  br i1 %11, label %middle.block, label %vector.body

middle.block:
  %lcssa = phi <16 x i32> [ %10, %vector.body ]
  %rdx.shuf = shufflevector <16 x i32> %lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx = add <16 x i32> %lcssa, %rdx.shuf
  %rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
  %rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 4, i32 5, i32 6, i32 7, i32 8, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
  %rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
  ; CHECK-LABEL: sad_16i8_512:
  ; CHECK:       # %bb.0: # %entry
  ; CHECK-NEXT:  vpxor %xmm0, %xmm0, %xmm0
  ; CHECK-NEXT:  movq $-1024, %rax # imm = 0xFC00
  ; CHECK-NEXT:  .p2align 4, 0x90
  ; CHECK-NEXT:  .LBB11_1: # %vector.body
  ; CHECK-NEXT:  #:=>This Inner Loop Header: Depth=1
  ; CHECK-NEXT:  vmovdqu a+1024(%rax), %xmm1
  ; CHECK-NEXT:  vpsadbw b+1024(%rax), %xmm1, %xmm1
  ; CHECK-NEXT:  vpaddd %zmm0, %zmm1, %zmm0
  ; CHECK-NEXT:  addq $4, %rax
  ; CHECK-NEXT:  jne .LBB11_1
  ; CHECK-NEXT:  # %bb.2: # %middle.block
  ; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm1
  ; CHECK-NEXT:  vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
  ; CHECK-NEXT:  vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:  vpshufd \{.*\} = \{.*\} [2,3,0,1]
  ; CHECK-NEXT:  vpaddd %xmm1, %xmm0, %xmm0
  ; CHECK-NEXT:  vmovd %xmm0, %eax
  ; CHECK-NEXT:  vzeroupper
  ; CHECK-NEXT:  retq
entry:
  br label %vector.body

vector.body:
  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
  %2 = zext <16 x i8> %wide.load to <16 x i32>
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
  %5 = zext <16 x i8> %wide.load1 to <16 x i32>
  %6 = sub nsw <16 x i32> %2, %5
  %7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
  %8 = sub nsw <16 x i32> zeroinitializer, %6
  %9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

middle.block:
%.lessa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lessa, <16 x i32> undef, <16 x i32> i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
%bin.rdx = add <16 x i32> %.lessa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define void @sbtol632_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: sbtol632_256:
  ; CHECK:    # %bb.0:
  ; CHECK-NEXT: vpmovw2m %ymm0, %k0
  ; CHECK-NEXT: kshiftrw $8, %k0, %k1
  ; CHECK-NEXT: vpmovm2d %k1, %ymm0
  ; CHECK-NEXT: vcvtdq2ps %ymm0, %ymm0
  ; CHECK-NEXT: vpmovm2d %k0, %ymm1
  ; CHECK-NEXT: vcvtdq2ps %ymm1, %ymm1
  ; CHECK-NEXT: vmovaps %ymm1, (%rdi)
  ; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %mask = icmp slt <16 x i16> %a, zeroinitializer
  %1 = sitofp <16 x i1> %mask to <16 x float>
  store <16 x float> %1, <16 x float>* %res
  ret void
}

define void @sbtol632_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: sbtol632_512:
  ; CHECK:    # %bb.0:

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res)  "min-legal-vector-width"="256" {  
    ; CHECK-LABEL: sbto16f64_256:  
    ; CHECK:       # %bb.0:  
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0  
    ; CHECK-NEXT:    vpmovm2d %k0, %zmm0  
    ; CHECK-NEXT:    vcmovqps %zmm0, %zmm0  
    ; CHECK-NEXT:    vcmpqps %zmm0, %zmm0  
    ; CHECK-NEXT:    vmovaps %zmm0, (%rdi)  
    ; CHECK-NEXT:    vzeroupper  
    ; CHECK-NEXT:    retq  
    %mask = icmp slt <16 x i16> %a, zeroinit  
    %1 = sitofp <16 x i1> %mask to <16 x float>  
    store <16 x float> %1, <16 x float>* %res  
    ret void  
}  

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res)  "min-legal-vector-width"="512" {  
    ; CHECK-LABEL: sbto16f64_512:  
    ; CHECK:       # %bb.0:  
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0  
    ; CHECK-NEXT:    vpmovm2d %k0, %zmm0  
    ; CHECK-NEXT:    vcmovqps %zmm0, %zmm0  
    ; CHECK-NEXT:    vcmpqps %zmm0, %zmm0  
    ; CHECK-NEXT:    vmovaps %zmm0, (%rdi)  
    ; CHECK-NEXT:    vzeroupper  
    ; CHECK-NEXT:    retq  
    %mask = icmp slt <16 x i16> %a, zeroinit  
    %1 = sitofp <16 x i1> %mask to <16 x double>  
    store <16 x double> %1, <16 x double>* %res  
    ret void  
}  

define void @sbto16f64_128(<16 x i16> %a, <16 x double>* %res)  "min-legal-vector-width"="128" {  
    ; CHECK-LABEL: sbto16f64_128:  
    ; CHECK:       # %bb.0:  
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0  
    ; CHECK-NEXT:    vpmovm2d %k0, %zmm0  
    ; CHECK-NEXT:    vcmovqps %zmm0, %zmm0  
    ; CHECK-NEXT:    vcmpqps %zmm0, %zmm0  
    ; CHECK-NEXT:    vmovaps %zmm0, (%rdi)  
    ; CHECK-NEXT:    vzeroupper  
    ; CHECK-NEXT:    retq  
    %mask = icmp slt <16 x i16> %a, zeroinit  
    %1 = sitofp <16 x i1> %mask to <16 x float>  
    store <16 x float> %1, <16 x float>* %res  
    ret void  
}
define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:  kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:  vpmovm2d %k1, %ymm0
    ; CHECK-NEXT:  vpsrld $31, %ymm0, %ymm0
    ; CHECK-NEXT:  vcvtdq2ps %ymm0, %ymm0
    ; CHECK-NEXT:  vpmovm2d %k0, %ymm1
    ; CHECK-NEXT:  vpsrld $31, %ymm1, %ymm1
    ; CHECK-NEXT:  vcvtdq2ps %ymm1, %ymm1
    ; CHECK-NEXT:  vmovaps %ymm1, (%rdi)
    ; CHECK-NEXT:  vmovaps %ymm0, 32(%rdi)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    ; CHECK-NEXT:   vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:   vpmovm2d %k0, %zmm0
    ; CHECK-NEXT:   vpsrld $31, %zmm0, %zmm0
    ; CHECK-NEXT:   vcvtdq2ps %zmm0, %zmm0
    ; CHECK-NEXT:   vmovaps %zmm0, (%rdi)
    ; CHECK-NEXT:   vzeroupper
    ; CHECK-NEXT:   retq
    %mask = icmp slt <16 x i16> %a, zeroinitialize
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f32_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:  vpmovm2d %k0, %zmm0
    ; CHECK-NEXT:  vpsrld $31, %zmm0, %zmm0
    ; CHECK-NEXT:  vcvtdq2ps %zmm0, %zmm0
    ; CHECK-NEXT:  vmovaps %zmm0, (%rdi)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %mask = icmp slt <16 x i16> %a, zeroinitialize
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f64_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vpmovw2m %ymm0, %k0

; CHECK-NEXT:   retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}
define void @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {  
  # %bb.0:  
  CHECK-NEXT: vcvttps2dq (%rdi), %ymm1  
  CHECK-NEXT: vpslld $31, %ymm1, %ymm1  
}

define <16 x i16> @test_16f32toub_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {  
  # %bb.0:  
  CHECK-NEXT: kshiftrw $8, %k0, %k1  
  CHECK-NEXT: vpmovm2d %k1, %ymm0  
  CHECK-NEXT: vpsrlq $31, %ymm0, %ymm0  
  CHECK-NEXT: vcvtdq2pd %xmm0, %ymm1  
  CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0  
  CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0  
  CHECK-NEXT: vpmovm2d %k0, %ymm2  
  CHECK-NEXT: vpsrlq $31, %ymm2, %ymm2  
  CHECK-NEXT: vcvtdq2pd %xmm2, %ymm3  
  CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2  
  CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2  
  CHECK-NEXT: vpmovm2d %k1, %ymm0  
  CHECK-NEXT: vpsrlq $31, %ymm0, %ymm0  
  CHECK-NEXT: vcvtdq2pd %xmm0, %ymm1  
  CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0  
  CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0  
  CHECK-NEXT: vpmovm2d %k0, %ymm2  
  CHECK-NEXT: vpsrlq $31, %ymm2, %ymm2  
  CHECK-NEXT: vcvtdq2pd %xmm2, %ymm3  
  CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2  
  CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2  
  CHECK-NEXT: vmovaps %ymm2, 32(%rdi)  
  CHECK-NEXT: vmovaps %ymm3, (%rdi)  
  CHECK-NEXT: vmovaps %ymm0, 96(%rdi)  
  CHECK-NEXT: vmovaps %ymm1, 64(%rdi)  
  CHECK-NEXT: vzeroupper  
  CHECK-NEXT: retq  
  %mask = icmp slt <16 x i16> %a, zeroinitializer  
  %1 = uito fp <16 x i1> %mask to <16 x double>  
  store <16 x double> %1, <16 x double>* %res  
  ret void  
}  

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {  
  # %bb.0:  
  CHECK-NEXT: vpmovw2m %ymm0, %k0  
  CHECK-NEXT: vpmovm2d %k0, %zmm0  
  CHECK-NEXT: vpsrlq $31, %zmm0, %zmm0  
  CHECK-NEXT: vcvtdq2pd %ymm0, %zmm1  
  CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0  
  CHECK-NEXT: vcvtdq2pd %ymm0, %zmm0  
  CHECK-NEXT: vmovaps %zmm0, 64(%rdi)  
  CHECK-NEXT: vmovaps %zmm1, (%rdi)  
  CHECK-NEXT: vzeroupper  
  CHECK-NEXT: retq  
  %mask = icmp slt <16 x i16> %a, zeroinitializer  
  %1 = uito fp <16 x i1> %mask to <16 x double>  
  store <16 x double> %1, <16 x double>* %res  
  ret void  
}  

define <16 x i16> @test_16f32toub_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {  
  # %bb.0:  
  CHECK-NEXT: vcvttps2dq (%rdi), %ymm1  
  CHECK-NEXT: vpslld $31, %ymm1, %ymm1  
  CHECK-NEXT: vpmovm2d %k0, %ymmm0  
  CHECK-NEXT: vpsrlq $31, %ymmm0, %ymmm0  
  CHECK-NEXT: vcvtdq2pd %xmm0, %ymmm1  
  CHECK-NEXT: vextracti128 $1, %ymmm0, %xmm0  
  CHECK-NEXT: vcvtdq2pd %xmm0, %ymmm0  
  CHECK-NEXT: vpmovm2d %k0, %ymmm2  
  CHECK-NEXT: vpsrlq $31, %ymmm2, %ymmm2  
  CHECK-NEXT: vcvtdq2pd %xmm2, %ymmm3  
  CHECK-NEXT: vextracti128 $1, %ymmm2, %xmm2  
  CHECK-NEXT: vcvtdq2pd %xmm2, %ymmm2  
  CHECK-NEXT: vmovaps %ymmm2, 32(%rdi)  
  CHECK-NEXT: vmovaps %ymmm3, (%rdi)  
  CHECK-NEXT: vmovaps %ymmm0, 96(%rdi)  
  CHECK-NEXT: vmovaps %ymmm1, 64(%rdi)  
  CHECK-NEXT: vzeroupper  
  CHECK-NEXT: retq  
  %mask = icmp slt <16 x i16> %a, zeroinitializer  
  %1 = uito fp <16 x i1> %mask to <16 x double>  
  store <16 x double> %1, <16 x double>* %res  
  ret void  
}
define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
; CHECK-LABEL: test_16f32toub_512:
; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %zmm1
    ; CHECK-NEXT:    vpslld $31, %zmm1, %zmm1
    ; CHECK-NEXT:    vpmovd2m %zmm1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT:    retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
; CHECK-LABEL: test_16f32tosb_256:
; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} [z]
    ; CHECK-NEXT:    retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosiu <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
; CHECK-LABEL: test_16f32tosb_512:
; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k1
    ; CHECK-NEXT:    kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} [z]
    ; CHECK-NEXT:    retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}
; CHECK:    # %bb.0:
; CHECK-NEXT:  vcvtps2dq (%rdi), %zmm1
; CHECK-NEXT:  vpmovd2m %zmm1, %k1
; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 [%k1] [z]
; CHECK-NEXT:  retq

%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: mul256:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 =
  ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13]
  ,ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18]
  ,ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm5 =
  ymm2[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
; CHECK-NEXT:  vmovdqa {{.*#+}} ymm5 =
; CHECK-NEXT:  vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT:  vpunpckhlw {{.*#+}} ymm2 =
  ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[5]
  ,ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[19]
  ,ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm0 =
  ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-NEXT:  vpmullw %ymm2, %ymm0, %ymm2
; CHECK-NEXT:  vpand %ymm2, %ymm0, %ymm0
; CHECK-NEXT:  vpackuswb %ymm4, %ymm0, %ymm0
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm3 =
  ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13]
  ,ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26]
  ,ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 =
  ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13]
  ,ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ymm0[26]
  ,ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {  
CHECK-LABEL: mul512:  
CHECK:       # %bb.0:  
CHECK-NEXT: vmovdqa64 (%rdi), %zmm0  
CHECK-NEXT: vmovdqa64 (%rsi), %zmm1  
CHECK-NEXT: vpunpckhbw {{.*#+}} zmm2 =  
  zmm1[8],zmm0[8],zmm1[9],zmm0[9],zmm1[10],zmm0[10],zmm1[11],zmm0[11],zmm1[12],zmm0[12],zmm1[13],zmm0[13],zmm1[14],zmm0[14],zmm1[15],zmm0[15],zmm1[24],zmm0[24],zmm1[25],zmm0[25],zmm1[26],zmm0[26],zmm1[27],zmm0[27],zmm1[28],zmm0[28],zmm1[29],zmm0[29],zmm1[30],zmm0[30],zmm1[31],zmm0[31],zmm1[40],zmm0[40],zmm1[41],zmm0[41],zmm1[42],zmm0[42],zmm1[43],zmm0[43],zmm1[44],zmm0[44],zmm1[45],zmm0[45],zmm1[46],zmm0[46],zmm1[47],zmm0[47],zmm1[56],zmm0[56],zmm1[57],zmm0[57],zmm1[58],zmm0[58],zmm1[59],zmm0[59],zmm1[60],zmm0[60],zmm1[61],zmm0[61],zmm1[62],zmm0[62],zmm1[63],zmm0[63]  
CHECK-NEXT: vpunpckhbw {{.*#+}} zmm3 =  
  zmm0[8],zmm9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4 2,42,43,43,44,44,45,45,46,46,47,47,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]  
CHECK-NEXT: vmovdqa64 (%rdx)  
CHECK-NEXT: vmovdqa %zmm0, (%rdx)  
CHECK-NEXT: vzeroupper  
CHECK-NEXT: retq  
  %d = load <64 x i8>, <64 x i8>* %a  
  %e = load <64 x i8>, <64 x i8>* %b  
  %f = mul <64 x i8> %d, %e  
  store <64 x i8> %f, <64 x i8>* %c  
ret void  
}
,zmm0[19],zmm1[20],zmm0[20],zmm1[21],zmm0[21],zmm1[22],zmm0[22],zmm1[23],zmm0[23],zmm1[32],zmm
0[32],zmm1[33],zmm0[33],zmm1[34],zmm0[34],zmm1[35],zmm0[35],zmm1[36],zmm0[36],zmm1[37],zmm0[37],
zmm1[38],zmm0[38],zmm1[39],zmm0[39],zmm1[48],zmm0[48],zmm1[49],zmm0[49],zmm1[50],zmm0[50],zmm1
[51],zmm0[51],zmm1[52],zmm0[52],zmm1[53],zmm0[53],zmm1[54],zmm0[54],zmm1[55],zmm0[55]
; CHECK-NEXT: vpunpcklbw {{.*#+}} zmm0 =
zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
; CHECK-NEXT: vpmullw %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpandq %zmm3, %zmm0, %zmm0
; CHECK-NEXT: vpackuswb %zmm2, %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:
; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0
; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]
; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,

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double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

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<thead>
<tr>
<th>Program</th>
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<tr>
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<tr>
<td>OpenBSD regex</td>
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</table>
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SOFTWARE.

; RUN: llc -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
;
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
}

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 1095
define fp128 @TestCopysign(fp128 %a, fp128 %b) {
    %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
    ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
    %mul = fmul fp128 %a, %a
    %res = fsub fp128 0xL00000000000000008000000000000000, %mul
    ret fp128 %res
}

LLVM System Interface Library

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Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

http://llvm.org

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<tbody>
<tr>
<td>&lt;none yet&gt;</td>
<td>$OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp $</td>
</tr>
</tbody>
</table>

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*
* @(#)COPYRIGHT8.1 (Berkeley) 3/16/94
*/

; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
define void @zext256() "min-legal-vector-width"="256" {
  ; VEC256-LABEL: 'zext256'
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  ; VEC512-LABEL: 'zext256'
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  %A = zext <8 x i16> undef to <8 x i64>
  %B = zext <8 x i32> undef to <8 x i64>
  %C = zext <16 x i8> undef to <16 x i32>
  %D = zext <16 x i16> undef to <16 x i32>
  %E = zext <32 x i8> undef to <32 x i16>
  ret void
}

define void @zext512() "min-legal-vector-width"="512" {
  ; AVX-LABEL: 'zext512'
  ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  ; AVX512-LABEL: 'zext512'
  ; AVX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; AVX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32>undef to <8 x i64>
  ; AVX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  ; AVX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  ; AVX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  ; AVX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  %A = zext <8 x i16> undef to <8 x i64>
  %B = zext <8 x i32> undef to <8 x i64>
  %C = zext <16 x i8> undef to <16 x i32>
  %D = zext <16 x i16> undef to <16 x i32>
  %E = zext <32 x i8> undef to <32 x i16>
  ret void
}
define void @sext256() "min-legal-vector-width"="256" {
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}
; VEC512-LABEL: 'sext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; %A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void

define void @sext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'sext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; SKX256-LABEL: 'sext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
;
) ; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]?!]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]?!]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]?!]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]?!]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %[[M1:const_mat[0-9]?!]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %[[M2:const_mat[0-9]?!]] = add i32 %[[C2]], 31
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %[[M3:const_mat[0-9]?!]] = add i32 %[[C1]], 7
define void @foo_i8() {
  entry:
  %0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
  %1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
  %2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
  %3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
  %4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
  store i8 %4, i8* inttoptr(i32 805873688 to i8*)
  store i8 %3, i8* inttoptr(i32 805873719 to i8*)
  store i8 %2, i8* inttoptr(i32 805873720 to i8*)
  store i8 %1, i8* inttoptr(i32 805873727 to i8*)
  store i8* inttoptr(i32 805874800 to i8*), i8** @goo
  ret void
}

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]?]]= bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]?]]= bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
define void @foo_i16() {
  entry:
  %0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
  %1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
  %2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
  %3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
  %4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
  %5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
  ret void
}

; Check that for i32 type, the maximum legal offset is 124.
; CHECK: foo_i32
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874816 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i32*
; CHECK-NEXT: %1 = load volatile i32, i32* %0, align 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i32*
; CHECK-NEXT: %3 = load volatile i32, i32* %2, align 4
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i32*
; CHECK-NEXT: %5 = load volatile i32, i32* %4, align 4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i32*
; CHECK-NEXT: %7 = load volatile i32, i32* %6, align 4
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i32*
; CHECK-NEXT: %9 = load volatile i32, i32* %8, align 4
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i32*
; CHECK-NEXT: %11 = load volatile i32, i32* %10, align 4
define void @foo_i32() {
  entry:
  %0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
  %1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
  %2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
  %3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
  %4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
  %5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
  ret void
}
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# Names should be added to this file only after verifying that
# the individual or the individual's organization has agreed to
# the appropriate Contributor License Agreement, found here:
#
# https://developers.google.com/open-source/cla/individual
# https://developers.google.com/open-source/cla/corporate
#
# The agreement for individuals can be filled out on the web.
#
# When adding J Random Contributor's name to this file,
# either J's name or J's organization's name should be
# added to the AUTHORS file, depending on whether the
# individual or corporate CLA was used.
#
# Names should be added to this file as:
#     Name <email address>
#
# Please keep the list sorted.

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Kai Wolf <kai.wolf@gmail.com>
Kishan Kumar <kumar.kishan@outlook.com>
Kaito Udagawa <umireon@gmail.com>
Lei Xu <eddyxu@gmail.com>
Matt Clarkson <mattyclarkson@gmail.com>
define internal void @innerSmall() "min-legal-vector-width"="128" {
  ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
  ret void
}

define internal void @innerNoAttribute() {
  ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() {
  call void @innerLarge()
  ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
  call void @innerLarge()
  ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
  call void @innerSmall()
  ret void
}
We should remove the attribute after inlining since the callee's vector width requirements are unknown.

define void @outerAttribute()  "min-legal-vector-width"="128" {
   call void @innerNoAttribute()
   ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }

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; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types cause LSR to assume type "void" for the memory type. This would then cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type [ i8*, i8, %union.anon.0 ]
%union.anon.0 = type [ i8* ]

define hidden fastcc void @fred() unnamed_addr #0 {
    entry:
    br i1 undef, label %while.end, label %while.body.lr.ph

    while.body.lr.ph:
    %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
    switch i32 undef, label %exit [ i32 1, label %sw.bb.i i32 2, label %sw.bb3.i ]

    sw.bb.i:
    unreachable

    sw.bb3.i:
    unreachable

    exit:
    switch i32 undef, label %exit.2 [ i32 1, label %sw.bb.i17 i32 2, label %sw.bb3.i20 ]
}
1.141 tiles-freemarker 3.0.8

1.141.1 Available under license:

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1.143 jersey-client 2.25.1
1.144 jersey-bean-validation 2.25.1

1.145 dropwizard-request-logging 1.3.23

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1.146 icu 44

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```bash
## -*makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,
```
## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS = -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed \"s/(\$\*)/o[ :]*/g\" > $@; \
[ -s $@ ] \|| rm -f $@' %
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed \"s/(\$\*)/o[ :]*/g\" > $@; \
[ -s $@ ] \|| rm -f $@' %

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s $(S).$(SO).$(SO_TARGET_VERSION_MAJOR) $@

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 */
/**
 * Retrieves constraint related meta data for the parameters of the given executable.
 *
 * @param javaBeanExecutable The executable of interest.
 */
* @return A list with parameter meta data for the given executable.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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/**
**
* A method-level constraint, that evaluates a script expression against the 
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated 
* executable.
* </p>
* <p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be 
* found on the classpath. To refer to a parameter within the scripting 
* expression, use its name as obtained by the active 
* [link javax.validation.ParameterNameProvider). The default provider will 
* return the actual parameter names, if the -parameters compiler option 
* has been enabled, and [@code arg0], [@code arg1] etc. otherwise.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which 
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "start.before(end)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
* 
* @author Gunnar Morling
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForShort.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MaxValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/Incubating.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/util/classhierarchy/ClassHierarchyHelper.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/engine/messageinterpolation/el/RootResolver.java
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/classhierarchy/Filters.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/provider/MetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/constraints/SafeHtml.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/money/CurrencyValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/CharArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/raw/ConstrainedParameter.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/ObjectArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/config/BootstrapConfigurationImpl.java
jar/org/hibernate/validator/internal/engine/valueextraction/OptionalValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfInt.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfBoolean.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/util/ModUtil.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/Internal/validationcontext/ValidationContextBuilder.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForDouble.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/spi/scripting/ScriptEvaluator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/Internal/util/Stereotypes/Lazy.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/xml/mapping/GroupConversionStaxBuilder.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/hv/EmailValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/cfg/context/ReturnValueConstraintMappingContext.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/metadata/provider/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForShort.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/Internal/metadata/descriptor/ReturnValueDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/engine/groups/GroupWithInheritance.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/util/util/Stereotypes/Lazy.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/Internal/metaData/constraintvalidation/ConstraintValidatorManager.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/properties/Getter.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForJapaneseDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/engine/engine/validationcontext/OptionalValueExtractor.java
jar/org/hibernate/validator/cfg/defs/URLDef.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/util/stereotypes/ThreadSafe.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/constraints/pl/NIP.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/metaData/core/ConstraintOrigin.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForShort.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/constraints/Currency.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/GetterCascadable.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/metadata/location/CrossParameterConstraintLocation.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/cfg/defs/br/CPFDef.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/hv/ModCheckBase.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForBigInteger.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForBigDecimal.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetaDatum.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintdefinition/ConstraintDefinitionContribution.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/money/MinValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/PredefinedScopeConfigurationImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/validator/GroupSequenceProvider.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/LongArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForThaiBuddhistDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidation/CrossParameterConstraintValidatorContextImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/properties/Signature.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenIterator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForFloat.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/InternalUtil/logging/formatter/ObjectArrayFormatter.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/cfg/context/GroupConversionTargetContextImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/InternalUtil/logging/formatter/ParameterTermResolver.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/spi/nodenameprovider/JavaBeanProperty.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/messageinterpolation/PredefinedScopeConstraintValidatorManagerImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/cfg/context/PropertyTarget.java

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* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/tools/web/BadHttpRequest.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/tools/rmi/RemoteRef.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/tools/rmi/Proxy.java
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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/TypeConverterSupport.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/support/GenericBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/support/NullValueInNestedPathException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessorAdapter.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/config/ConfigurableBeanFactory.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/config/UnsatisfiedDependencyException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/ObjectProvider.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/BeanInitializationException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/propertyeditors/PathEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/propertyeditors/ReaderEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/propertyeditors/CustomMapEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/propertyeditors/InputStreamEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/config/YamlProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/config/PropertyPlaceholderConfigurer.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/RootBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/config/FieldRetrievingFactoryBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/BeanWrapper.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/Scope.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/DisposableBeanAdapter.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/ResourceEditorRegistrar.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/AbstractFactoryBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/PropertyPlaceholderConfigurer.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/PlaceholderConfigurerSupport.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/ScopeSupport.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/AbstractResourceEditorRegistrar.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/support/ResourceEditorRegistrarSupport.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/NamedBeanHolder.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/FactoryBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/EmbeddedValueResolver.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/YamlPropertiesFactoryBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/AutowireUtils.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/ConstructorResolver.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/DefaultBeanDefinitionDocumentReader.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/MethodOverrides.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/SimpleInstantiationStrategy.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/PropertiesFactoryBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/YamlMapFactoryBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/AutowireCapableBeanFactory.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/UtilNamespaceHandler.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/URLEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/BeanWrapperImpl.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/AutowireCapableBeanPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/CustomCollectionEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/MergedBeanDefinitionPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/TypeMismatchException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/MergedBeanDefinitionPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/PropertyResolution.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/MethodParameterResolver.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/AutowiredAnnotationProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/ValueEvaluation.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java

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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/AbstractBeanDefinition.java
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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/BeanDefinitionValueResolver.java

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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/propertyeditors/ZoneIdEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/SimpleConstructorNamespaceHandler.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/access/el/SpringBeanELResolver.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/annotation/AnnotatedBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/NotReadablePropertyException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/PropertyDescriptorUtils.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/ConfigurablePropertyAccessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/MethodInvokingBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/LookupOverride.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/ReplaceOverride.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/MethodOverride.java

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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/PropertyEditorRegistrySupport.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/ExtendedBeanInfo.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/BeanFactoryUtils.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/BeanPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/annotation/InjectionMetadata.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/BeansDtdResolver.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/DirectFieldAccessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/propertyeditors/CustomBooleanEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/BeanPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/annotation/InjectionMetadata.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/BeansDtdResolver.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/DirectFieldAccessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/propertyeditors/CustomBooleanEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/BeanPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/annotation/InjectionMetadata.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/BeansDtdResolver.java

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  jar/org/springframework/beans/factory/support/BeanDefinitionRegistryPostProcessor.java

1.163 bctls-fips 1.0.10

1.163.1 Available under license:
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public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");

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* /opt/ws_local/PERMITS_SQL/1074028448_1595542545.37/0/bctls-fips-1-0-10-sources-
  jar/org/bouncycastle/tls/ProtocolName.java

1.164 metrics-jvm 4.0.5

1.165 jetty-util 9.4.20.v20190813

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

-------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet;javax.servlet-api
* javax.annotation;javax.annotation-api
* javax.transaction;javax.transaction-api
* javax.websocket;javax.websocket-api

-------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas
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Version 2, June 1991
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Mesa 3-D graphics library
Version: 7.0

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[GLSL Language Specification 4.30.6, section 3.1]

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<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
</tr>
<tr>
<td>Ext headers</td>
<td>include/GL/glext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>include/GL/glxext.h</td>
<td></td>
</tr>
<tr>
<td>GLX client code</td>
<td>src/glx/</td>
<td>SGI Free Software License B</td>
</tr>
<tr>
<td>C11 thread</td>
<td>include/c11/threads*.h</td>
<td>Boost (permissive)</td>
</tr>
<tr>
<td></td>
<td>emulation</td>
<td></td>
</tr>
</tbody>
</table>
</pre>

In general, consult the source files for license terms.

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge
On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
>
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
>
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2.
Instead of clause 2, in the case of the Mesa project, you have to name
the technique Jimenez's MLAA in the config options of Mesa. We did that
just to allow them to solve license issues. This exception should be for
the Mesa project, and any project using Mesa, like Fedora.
We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*   "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*   Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
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1.171 dropwizard-jackson 1.3.23

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1.181 expat 2.1.0-8.el7

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1.182 stunnel 4.56 6.el7

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1.186 profiler 1.0.2
1.187 log4j-api 2.11.1

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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/view/tiles2/AbstractSpringPreparerFactory.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/ViewResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/view/freemarker/FreeMarkerViewResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/view/UrlBasedViewResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/UrlTag.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/MappedInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/view/AbstractView.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/view/velocity/VelocityLayoutView.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/view/velocity/VelocityViewResolver.java

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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/AbstractController.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/SimpleControllerHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/i18n/FixedLocaleResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/AbstractCommandController.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/TransformTag.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/BindTag.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/BaseCommandController.java
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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/EditorAwareTag.java
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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/condition/AbstractMediaTypeExpression.java
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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/annotation/AnnotationMethodHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/support/SessionFlashMapManager.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/support/RequestContextUtils.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/support/SessionFlashMap.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/condition/AbstractMediaTypeExpression.java
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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ExtendedServletRequestDataBinder.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/view/ContentNegotiatingViewResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/DefaultAnnotationHandlerMapping.java
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/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * { @link locateSource detected } during response rendering. Users can either specify
 */
* a specific entry in the model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
*<p> All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {@link #setOutputProperties output properties}
* to be passed to the Transformer.
*<p> @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
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jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java
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View technologies that support this contract can obtain an instance to delegate to via `@link RequestContext#getRequestDataValueProcessor()`.

@author Rossen Stoyanchev
@since 3.1

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1.202 libxcursor 1.1.15 1.el7

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1.203 jackson-dataformat-yaml 2.10.2

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1.204 openssl 0.9.7I

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

-----

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.207 dc 1.3
1.207.1 Available under license:

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<string>The DCPathButton use the MIT license</string>

Pod::Spec.new do |s|
  s.name = "DCPathButton"
  s.version = "2.1.1"
  s.summary = "A beautiful button copy from Path®"
end
s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPathButton born :) DESC

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

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

s.author = { "Tangdixi" => "Tangdixi@gmail.com" }

s.platform = :ios, '7.0'

s.source = {
  :git => "https://github.com/Tangdixi/DCPathButton.git",
  :tag => "2.1.1"
}

s.source_files = 'DCPathButton/Classes/*.{h,m}'

s.resources = ['DCPathButton/Sounds/*']

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

end

Found in path(s):
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton.podspec
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# Acknowledgements
This application makes use of the following third party libraries:

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Found in path(s):
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example/Pods/Target Support Files/Pods/Pods-acknowledgements.markdown

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Found in path(s):
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/README.md
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Pods/DCPathButton/README.md

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Example/ViewController.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Example/ViewController.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathButtonItem.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathButtonItem.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Example/AppDelegate.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Example/AppDelegate.m
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Found in path(s):
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathItemButton.m

1.208 tiles-autotag-core-runtime 1.2
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1.211 tomcat-juli 8.0.43

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org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/COMUtils.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/imp/TlbEnum.java
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/imp/TlbCoClass.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/imp/TlbPropertyGet.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/BaseTSD.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Secur32.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Wdm.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/LMAccess.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/NtD11.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Advapi32Util.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Netapi32.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/WinspoolUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Win32Exception.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Ole32Util.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/WinBase.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/WinGDI.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/WinUser.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/ShellAPI.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/SSpiUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/WinCrypt.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/LMJoin.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/ShlObj.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/NTSecApi.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Ole32.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/NtDllUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/LMCons.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Netapi32Util.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Winspool.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Guid.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Crypt32Util.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/util/IConnectionPoint.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/util/ComEventCallbackCookie.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/UnknownListener.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/Moniker.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/Factory.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/IComEnum.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/UnknownVTable.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/ComThread.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/IComEventCallbackListener.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/IDispatch.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/ObjectFactory.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/RunningObjectTable.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/IPersistStream.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/IPersist.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/IConnectionPointContainer.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COM/IUnknown.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/IUnknown.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/IUnknown.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/IUnknown.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/IUnknown.java
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IConnectionPoint.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IRunningObjectTable.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/EnumMoniker.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IMoniker.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/RunningObjectTable.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/IConnectionPointContainer.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/Convert.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComEventCallback.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/DispatchListener.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IEnumMoniker.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComMethod.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IUnknownCallback.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComInterface.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/ConnectionPoint.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/EnumMoniker.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/IRawDispatchHandle.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/DispatchVTable.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/CallbackProxy.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComObject.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/IComEventCallbackCookie.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IStructStream.java

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jar/com/sun/jna/platform/win32/W32Errors.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/VerRsrc.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Winioctl.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/OaIdlUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IEnumIDList.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/SetupApi.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Msi.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Ddeml.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Tlhelp32.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Shlwapi.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Version.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/DdemlUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/OaIdl.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/IShellFolder.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Variant.java

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BOOL WINAPI CreateProcessWithLogonW(
    _In_         LPCWSTR lpUsername,
    _In_opt_     LPCWSTR lpDomain,
    _In_         LPCWSTR lpPassword,
    _In_         DWORD dwLogonFlags,
    _In_opt_     LPCWSTR lpApplicationName,
    _Inout_opt_  LPWSTR lpCommandLine,
    _In_         DWORD dwCreationFlags,
    _In_opt_     LPVOID lpEnvironment,
    _In_         LPCWSTR lpCurrentDirectory,
    _In_         LPSTARTUPINFOW lpStartupInfo,
    _Out_        LPPROCESS_INFORMATION lpProcessInfo
);

@param lpUsername
    [in]<br>
    The name of the user. This is the name of the user account to log on to. <br>
    If you use the UPN format, user@DNS_domain_name, the lpDomain parameter must be NULL. <br>
    The user account must have the Log On Locally permission on the local computer. <br>
    This permission is granted to all users on workstations and servers, but only to administrators on domain controllers.

@param lpDomain
    [in, optional]<br>
    The name of the domain or server whose account database contains the lpUsername account. <br>
    If this parameter is NULL, the user name must be specified in UPN format.

@param lpPassword
    [in]<br>
    The clear-text password for the lpUsername account.

@param dwLogonFlags
    [in]<br>
    The logon option. This parameter can be 0 (zero) or one of the following values. <br>
* LOGON_WITH_PROFILE: 0x00000001<br>  * Log on, then load the user profile in the HKEY_USERS registry key. <br>  * The function returns after the profile is loaded. <br>  * Loading the profile can be time-consuming, so it is best to use this value only if you must access the information in the HKEY_CURRENT_USER registry key.<br>  * Windows Server 2003: The profile is unloaded after the new process is terminated, whether or not it has created child processes.<br>  * Windows XP: The profile is unloaded after the new process and all child processes it has created are terminated.<br>  * LOGON_NETCREDENTIALS_ONLY: 0x00000002<br>  * Log on, but use the specified credentials on the network only. <br>  * The new process uses the same token as the caller, but the system creates a new logon session within LSA, and the process uses the specified credentials as the default credentials. <br>  * This value can be used to create a process that uses a different set of credentials locally than it does remotely. <br>  * This is useful in inter-domain scenarios where there is no trust relationship. <br>  * The system does not validate the specified credentials. <br>  * Therefore, the process can start, but it may not have access to network resources. <br>  * @param lpApplicationName<br>  * [in, optional]<br>  * The name of the module to be executed. This module can be a Windows-based application.<br>  * It can be some other type of module (for example, MS-DOS or OS/2) if the appropriate subsystem is available on the local computer. The string can specify the full path and file name of the module to execute or it can specify a partial name. <br>  * If it is a partial name, the function uses the current drive and current directory to complete the specification. <br>  * The function does not use the search path. This parameter must include the file name extension; no default extension is assumed. The lpApplicationName parameter can be NULL, and the module name must be the first white space-delimited token in the lpCommandLine string. <br>  * If you are using a long file name that contains a space, use quoted strings to indicate where the file name ends and the arguments begin; otherwise, the file name is ambiguous. For example, the following string can be interpreted in different
* ways:<br>  "c:\program files\sub dir\program name"<br>* The system tries to interpret the possibilities in the<br>  following order:<br>*<br>  c:\program.exe files\sub dir\program name<br>  c:\program files\sub.exe dir\program name<br>  c:\program files\sub dir\program.exe name<br>  c:\program files\sub dir\program name.exe<br>*<br>  If the executable module is a 16-bit application,<br>  lpApplicationName should be NULL, and the string pointed to by<br>  lpCommandLine should specify the executable module and its<br>  arguments.<br>  @param lpCommandLine<br>  [in, out, optional]<br>  The command line to be executed. The maximum length of this<br>  string is 1024 characters. <br>  If lpApplicationName is NULL, the module name portion of<br>  lpCommandLine is limited to MAX_PATH characters.<br>  The function can modify the contents of this string. <br>  Therefore, this parameter cannot be a pointer to read-only<br>  memory (such as a const variable or a literal string).<br>  If this parameter is a constant string, the function may cause<br>  an access violation.<br>  The lpCommandLine parameter can be NULL, and the function uses<br>  the string pointed to by lpApplicationName as the command line.<br>*<br>  If both lpApplicationName and lpCommandLine are non-NULL,<br>  *lpApplicationName specifies the module to execute, and<br>  *lpCommandLine specifies the command line.<br>  The new process can use GetCommandLine to retrieve the entire<br>  command line.<br>  Console processes written in C can use the argc and argv<br>  arguments to parse the command line. <br>  Because argv[0] is the module name, C programmers typically<br>  repeat the module name as the first token in the command line.<br>*<br>  If lpApplicationName is NULL, the first white space-delimited<br>  token of the command line specifies the module name.<br>  If you are using a long file name that contains a space, use<br>  quoted strings to indicate where the file name ends and the<br>  arguments begin (see the explanation for the lpApplicationName<br>  parameter). If the file name does not contain an extension,<br>  .exe is appended. Therefore, if the file name extension is<br>  .com, this parameter must include the .com extension. If the<br>  file name ends in a period with no extension, or if the file
* The executable file is searched in the following sequence:<br>
  * 1. The directory from which the application loaded.<br>
  * 2. The current directory for the parent process.<br>
  * 3. The 32-bit Windows system directory. Use the GetSystemDirectory function to get the path of this directory.<br>
  * 4. The 16-bit Windows system directory. There is no function that obtains the path of this directory, but it is searched.<br>
  * 5. The Windows directory. Use the GetWindowsDirectory function to get the path of this directory.<br>
  * 6. The directories that are listed in the PATH environment variable. Note that this function does not search the per-application path specified by the App Paths registry key. To include this per-application path in the search sequence, use the ShellExecute function.<br>
  * The system adds a null character to the command line string to separate the file name from the arguments. This divides the original string into two strings for internal processing. <br>
  * @param dwCreationFlags  
    * The flags that control how the process is created. <br>
    * The CREATE_DEFAULT_ERROR_MODE, CREATE_NEW_CONSOLE, and CREATE_NEW_PROCESS_GROUP flags are enabled by default. <br>
    * Even if you do not set the flag, the system functions as if it were set. You can specify additional flags as noted. <br>
    * CREATE_DEFAULT_ERROR_MODE: 0x04000000<br>
    * The new process does not inherit the error mode of the calling process. Instead, CreateProcessWithLogonW gives the new process the current default error mode. <br>
    * An application sets the current default error mode by calling SetErrorMode. This flag is enabled by default. <br>
    * CREATE_NEW_CONSOLE: 0x00000010<br>
    * The new process has a new console, instead of inheriting the parent's console. This flag cannot be used with the DETACHED_PROCESS flag. <br>
    * This flag is enabled by default. <br>
    * CREATE_NEW_PROCESS_GROUP: 0x00000200<br>
    * The new process is the root process of a new process group. <br>
    * The process group includes all processes that are descendants
The process identifier of the new process group is the same as the process identifier, which is returned in the lpProcessInfo parameter. The process identifier of the new process group is the same as the process identifier, which is returned in the lpProcessInfo parameter.

Process groups are used by the GenerateConsoleCtrlEvent function to enable sending a CTRL+C or CTRL+BREAK signal to a group of console processes. This flag is enabled by default.

CREATE_SEPARATE_WOW_VDM: 0x00000800
This flag is only valid starting a 16-bit Windows-based application. If set, the new process runs in a private Virtual DOS Machine (VDM).
By default, all 16-bit Windows-based applications run in a single, shared VDM. The advantage of running separately is that a crash only terminates the single VDM; any other programs running in distinct VDMs continue to function normally. Also, 16-bit Windows-based applications that run in separate VDMs have separate input queues, which means that if one application stops responding momentarily, applications in separate VDMs continue to receive input.

CREATE_SUSPENDED: 0x00000004
The primary thread of the new process is created in a suspended state, and does not run until the ResumeThread function is called.

CREATE_UNICODE_ENVIRONMENT: 0x00000400
Indicates the format of the lpEnvironment parameter. If this flag is set, the environment block pointed to by lpEnvironment uses Unicode characters. Otherwise, the environment block uses ANSI characters.

EXTENDED_STARTUPINFO_PRESENT: 0x00080000
The process is created with extended startup information; the lpStartupInfo parameter specifies a STARTUPINFOEX structure.

Windows Server 2003 and Windows XP: This value is not supported.

@param lpEnvironment
[in, optional]
A pointer to an environment block for the new process. If this parameter is NULL, the new process uses an environment created from the profile of the user specified by lpUsername. An environment block consists of a null-terminated block of null-terminated strings. Each string is in the following form:
Because the equal sign (=) is used as a separator, it must not be used in the name of an environment variable.

An environment block can contain Unicode or ANSI characters.

If the environment block pointed to by lpEnvironment contains Unicode characters, ensure that dwCreationFlags includes CREATE_UNICODE_ENVIRONMENT.

If this parameter is NULL and the environment block of the parent process contains Unicode characters, you must also ensure that dwCreationFlags includes CREATE_UNICODE_ENVIRONMENT.

An ANSI environment block is terminated by two 0 (zero) bytes:

one for the last string and one more to terminate the block.

A Unicode environment block is terminated by four zero bytes:

two for the last string and two more to terminate the block.

To retrieve a copy of the environment block for a specific user, use the CreateEnvironmentBlock function.

@param lpCurrentDirectory
    [in, optional]
The full path to the current directory for the process.

The string can also specify a UNC path.

If this parameter is NULL, the new process has the same current drive and directory as the calling process.

This feature is provided primarily for shells that need to start an application, and specify its initial drive and working directory.

@param lpStartupInfo
    [in]
A pointer to a STARTUPINFO or STARTUPINFOEX structure.

The application must add permission for the specified user account to the specified window station and desktop, even for WinSta0\Default.

If the lpDesktop member is NULL or an empty string, the new process inherits the desktop and window station of its parent process.

The application must add permission for the specified user account to the inherited window station and desktop.

Windows XP: CreateProcessWithLogonW adds permission for the specified user account to the inherited window station and desktop.

Handles in STARTUPINFO or STARTUPINFOEX must be closed with CloseHandle when they are no longer needed.

Important If the dwFlags member of the STARTUPINFO structure specifies STARTF_USESTDHANDLES, the standard handle fields are copied unchanged to the child process without validation.

The caller is responsible for ensuring that these fields
contain valid handle values. Incorrect values can cause the child process to misbehave or crash.
* Use the Application Verifier runtime verification tool to detect invalid handles.
* @param lpProcessInfo [out]<br> A pointer to a PROCESS_INFORMATION structure that receives identification information for the new process, including a handle to the process.<br> Handles in PROCESS_INFORMATION must be closed with the CloseHandle function when they are not needed.<br> @return If the function succeeds, the return value is nonzero.<br> If the function fails, the return value is 0 (zero).<br> To get extended error information, call GetLastError.<br> Note that the function returns before the process has finished initialization.<br> If a required DLL cannot be located or fails to initialize, the process is terminated.<br> To get the termination status of a process, call GetExitCodeProcess.<br> @see <a href="http://msdn.microsoft.com/en-us/library/windows/desktop/ms682431(v=vs.85).aspx">MSDN</a>
*/

Found in path(s):
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/linux/LibRT.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/linux/Fcntl.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/linux/Udev.java
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Winsvc.java
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/COM/EnumVariant.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/Winsock2.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/ShTypes.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/IEnumVariant.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/WbemcliUtil.java
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  * /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Wevtapi.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources.jar/com/sun/jna/platform/win32/COM/COMEarlyBindingObject.java
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.
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libraries themselves. This Library General Public License is intended to 
permit developers of non-free programs to use free libraries, while 
preserving your freedom as a user of such programs to change the free 
libraries that are incorporated in them. (We have not seen how to achieve 
this as regards changes in header files, but we have achieved it as regards 
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Note that it is possible for a library to be covered by the ordinary 
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A "library" means a collection of software functions and/or data 
prepared so as to be conveniently linked with application programs 
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work 
which has been distributed under these terms. A "work based on the 
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"Source code" for a work means the preferred form of the work for 
making modifications to it. For a library, complete source code means 
all the source code for all modules it contains, plus any associated 
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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1.221 jackson-xc 2.10.2

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1.223 rsyslog 8.24.0-34.el7

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Version 3, 29 June 2007

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.
However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas
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1.229 dosfs-tools 3.0.20

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

5. A program that contains no derivative of any portion of the
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linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
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Otherwise, if the work is a derivative of the Library, you may
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1.235 jetty-servlet 9.4.20.v20190813

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.236 avahi 0.6.31-19.el7
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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and piostream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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1.239 xalan 2.7.0

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1.243 app 1.3.200-v20130910-1609

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1.244 hd-parm 9.43

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1.246 icu 57
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```bash
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
```
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.c) $< \n| sed '^s/([^\w\n])\.o : .*/\1.o $@ : @/g' > $@; \n[ -s $@ ] || rm -f $@"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.cc) $< \n| sed '^s/([^\w\n])\.o : .*/\1.o $@ : @/g' > $@; \n[ -s $@ ] || rm -f $@"

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s *F.%.SO.%.$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
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1.248 libgcrypt 1.5.3 14.el7

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5:ff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and piostream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

 vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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```xml
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.github.mifmif</groupId>
  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
  <packaging>jar</packaging>
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
      <distribution>repo</distribution>
    </license>
  </licenses>
  <developers>
    <developer>
      <id>mifmif</id>
      <name>MIFRAH Youssef</name>
      <email>mifmif.com@gmail.com</email>
    </developer>
    <developer>
      <id>mkolisnyk</id>
      <name>mkolisnyk</name>
      <email>kolesnik.nickolay@gmail.com</email>
    </developer>
  </developers>
  <parent>
    <groupId>org.sonatype.oss</groupId>
    <artifactId>oss-parent</artifactId>
    <version>7</version>
  </parent>
  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.pmd.excludes>**/generated-sources/**</maven.pmd.excludes>
  </properties>
</project>
```
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  <directory>src/main/resources</directory>
  <includes>
    <include>**/*.properties</include>
  </includes>
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    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-install-plugin</artifactId>
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    <configuration>
      <file>target/${project.artifactId}-${project.version}.jar</file>
      <groupId>${project.groupId}</groupId>
      <artifactId>${project.artifactId}</artifactId>
      <version>${project.version}</version>
      <packaging>maven-plugin</packaging>
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        <exclude>freemarker/**/*</exclude>
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        <exclude>junit/**/*</exclude>
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<preparationGoals>package install:install-file</preparationGoals>
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  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
  <configuration>
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  <version>3.0.1</version>
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        <ccnLimit>15</ccnLimit>
        <ncssLimit>100</ncssLimit>
        <failOnViolation>true</failOnViolation>
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    <groupId>org.codehaus.mojo</groupId>
    <artifactId>findbugs-maven-plugin</artifactId>
    <version>3.0.1</version>
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* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/META-INF/maven/com.github.mifmif/generex/pom.xml

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
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VIM REFERENCE MANUAL by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*

SUMMARY
*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

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II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:
1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to
include your changes in the official version of Vim. What the
maintainer will do with your changes and under what license they
will be distributed is negotiable. If there has been no negotiation
then this license, or a later version, also applies to your changes.
The current maintainer is Bram Moolenaar <Bram@vim.org>. If this
changes it will be announced in appropriate places (most likely
vim.sf.net, www.vim.org and/or comp.editors). When it is completely
impossible to contact the maintainer, the obligation to send him
your changes ceases. Once the maintainer has confirmed that he has
received your changes they will not have to be sent again.
   b) If you have received a modified Vim that was distributed as
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unmodified, as mentioned at I). If you make additional changes the
text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of
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context diff. You can choose what license to use for new code you
add. The changes and their license must not restrict others from
making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned
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   - You clearly describe in the distribution how to contact you. This
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not conflict with the license used for the changes.
4) The contact information as required under 2)a) and 2)d) must not be
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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

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

Kibaale Children's Centre *KCC* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.
The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation
Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.
Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

The e-mail address for sending the money to is:
Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

- Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
    If that doesn't work:
    Rabobank Lisse, account 3765.05.117
    Swift code: RABO NL 2U
    under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland
This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
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1.261 aspect-j 1.6.12

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1.262 spidermonkey 17.0.0

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1.263 net-snmp 5.7.2

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import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

/**
 * A <code>CopyingRangeMarker</code> can be used to track positions when executing
 * text edits. Additionally a copying range marker stores a local copy of the
 * text it captures when it gets executed.
 * *
 * @since 3.0
 */
public final class CopyingRangeMarker extends TextEdit {

private String fText;

/**
 * Creates a new <tt>CopyRangeMarker</tt> for the given
 * offset and length.
 * *
 * @param offset the marker's offset
 * @param length the marker's length
 */
public CopyingRangeMarker(int offset, int length) {
    super(offset, length);
}

/* non Java-doc
 * @see TextEdit#doCopy
 */
protected TextEdit doCopy() {
    return new CopyingRangeMarker(this);
}

/*
 * @see TextEdit#accept0
 * /
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc
 * @see TextEdit#performDocumentUpdating
 * /
/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
    fText= document.get(getOffset(), getLength());
    fDelta= 0;
    return fDelta;
}

/* non Java-doc
 * @see TextEdit#deleteChildren
 * /
/* package */ boolean deleteChildren() {
    return false;
}

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<head>
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1.266 sudo 1.8.23

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Adler, Mark
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Anderson, Jamie
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Bellis, Ray
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Bowes, Keith
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The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
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1.270 libssh2 1.7.0

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1.277 logback-access 1.2.3

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

------

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

------
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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

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

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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charge to all third parties under the terms of this License.

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

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

These requirements apply to the modified work as a whole. If
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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1.292.1 Available under license:

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the “copyright” line and a pointer to where the full notice is found.
<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year  name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
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mouse-clicks or menu items--whatever suits your program.

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

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    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

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proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
1.300 httpasyncclient 4.1.1

1.300.1 Available under license:

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

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The reason we have a separate public license for some libraries is that
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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its purpose remains meaningful.

(For example, a function in a library to compute square roots has
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5. A program that contains no derivative of any portion of the
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threshold for this to be true is not precisely defined by law.

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Any executables containing that work also fall under Section 6,
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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

1.302 commons-cli 1.1
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1.304 linux-kernel 3.10.0-957

1.304.1 Available under license:

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

Trick is to avoid fragmenting Linux, due to need for a lot of large
buffers. This is done by 2 things:
1) skb->destructor / skb->atm.recycle_buffer
   combined, allow nicstar_free_rx_skb to be called to
   recycle large data buffers
2) skb_clone of received buffers

See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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* M. Welsh, 6 July 1996
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QLogic Linux Networking HBA Driver

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(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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Version 1.0

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
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1.309 automation 1.11-8

1.310 d-conf 0.28.0-4.el7

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1.319 icu 50.1.2-17.el7

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<

%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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## Dependency rules

### .d: $(srcdir)/%.c

@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n\n| sed \''s/($*)\.o[ :]*/\1.o $@ : /g'' > $@; \n\n[ -s $@ ] || rm -f $@'  

### .d: $(srcdir)/%.cpp

@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n\n| sed \''s/($*)\.o[ :]*/\1.o $@ : /g'' > $@; \n\n[ -s $@ ] || rm -f $@'  

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s *F.$(SO).$(SO).$(SO_TARGET_VERSION) $@  

## End FreeBSD-specific setup

### 1.320 jackson-dataformat-yaml 2.10.3

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.salaranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.
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### 1.321 harfbuzz 1.7.5-2.el7

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1.326 jetty-continuation 9.4.31.v20200723
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

~~~~
Oracle OpenJDK
If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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1.330 dhcp 4.2.5 68.el7.centos.1

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5a9f2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
  These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.

  Author: Julio Merino <jmmv84@gmail.com>

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```json
{
    "customizationConfig": {
        "additionalShapeConstructors": {
            "AssociateAddressRequest": {
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            "AssociateDhcpOptionsRequest": {
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            "AttachVolumeRequest": {
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            "AttachVpnGatewayRequest": {
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            "AuthorizeSecurityGroupIngressRequest": {
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            "BundleInstanceRequest": {
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    "emitPropertyName" : null,
    "marshallLocationName" : null,
    "unmarshallLocationName" : null
   }
  ]
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"IpProtocol" : {
  "exclude" : null,
  "excludeShape" : false,
  "inject" : null,
  "modify" : [ {
   "IpPermissions" : {
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    "emitEnumName" : null,
    "emitPropertyName" : null,
    "marshallLocationName" : null,
    "unmarshallLocationName" : null
   }
  ]
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"unmarshallLocationName" : null
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"LaunchSpecification" : {
"exclude" : null,
"excludeShape" : false,
"inject" : [ {
"SecurityGroups" : {
"deprecated" : false,
"documentation" : "<p>One or more security group names.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "securityGroup",
"payload" : false,
"queryName" : null,
"shape" : "GroupNameStringList",
"streaming" : false,
"xmlNamespace" : null
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"modify" : [ {
"SecurityGroups" : {
"emitAsType" : null,
"emitEnumName" : null,
"emitPropertyName" : "AllSecurityGroups",
"marshallLocationName" : null,
"unmarshallLocationName" : null
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"Monitoring" : {
"emitAsType" : null,
"emitEnumName" : null,
"emitPropertyName" : "MonitoringEnabled",
"marshallLocationName" : null,
"unmarshallLocationName" : null
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"NetworkInterfaces" : {
"emitAsType" : null,
"emitEnumName" : null,
"emitPropertyName" : null,
"marshallLocationName" : "NetworkInterface",
"unmarshallLocationName" : null
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"Reservation" : {
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"deprecated" : false,
"documentation" : "<p>One or more security group names.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupName",
"payload" : false,
"queryString" : null,
"shape" : "GroupNameStringList",
"streaming" : false,
"xmlNamespace" : null
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} ],
"modify" : null
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"shapeSubstitutions" : {
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"emitFromMember" : "Value",
"skipMarshallPathForShapes" : null
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"emitFromMember" : "Value",
"skipMarshallPathForShapes" : [ "DhcpConfiguration" ]
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"emitAsShape" : "String",
"emitFromMember" : null,
"skipMarshallPathForShapes" : null
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"BlobAttributeValue" : {
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"emitFromMember" : "Value",
"skipMarshallPathForShapes" : null
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"emitFromMember" : null,
"skipMarshallPathForShapes" : null
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"excludeShape" : false,
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"documentation" : "<p>One or more security group names.</p>",
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"queryString" : null,
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"streaming" : false,
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"modify" : null
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"emitFromMember": null,
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"emitFromMember": "Enabled",
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"methodForms": [[ ]]
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"methodForms": [[ ]]
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"CreateVpcPeeringConnection": {
"methodForms": [[ ]]
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"DescribeAddresses": {
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"DescribeAvailabilityZones": {
"methodForms": [[ ]]
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"DescribeBundleTasks": {
"methodForms": [[ ]]
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"DescribeClassicLinkInstances": {
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"DescribeConversionTasks": {
"methodForms": [[ ]]
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"CancelImportTask": {
"methodForms": [[ ]]
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"methodForms": [[ ]]
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"CreateVpcPeeringConnection": {
"methodForms": [[ ]]
},
"DeleteSpotDatafeedSubscription": {
"methodForms": [[ ]]
},
"DescribeAccountAttributes": {
"methodForms": [[ ]]
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"DescribeAddresses": {
"methodForms": [[ ]]
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"DescribeAvailabilityZones": {
"methodForms": [[ ]]
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"DescribeBundleTasks": {
"methodForms": [[ ]]
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"DescribeClassicLinkInstances": {
"methodForms": [[ ]]
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"DescribeConversionTasks": {
"methodForms": [[ ]]
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"DescribeCustomerGateways": {
"emitAsShape": "LaunchSpecification",
"emitFromMember": null,
"skipMarshallPathForShapes": null
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"RunInstancesMonitoringEnabled": {
"emitAsShape": "Boolean",
"emitFromMember": "Enabled",
"skipMarshallPathForShapes": null
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 "methodForms" : [ [ ] ]
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 "methodForms" : [ [ ] ]
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"DescribeImportSnapshotTasks" : {
 "methodForms" : [ [ ] ]
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"DescribeInstanceStatus" : {
 "methodForms" : [ [ ] ]
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"DescribeInstances" : {
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  "methodForms" : [ [ ] ],
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  "methodForms" : [ [ ] ],
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"DescribeReservedInstancesModifications" : {
  "methodForms" : [ [ ] ],
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"DescribeReservedInstancesOfferings" : {
  "methodForms" : [ [ ] ],
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"DescribeRouteTables" : {
  "methodForms" : [ [ ] ],
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"DescribeSecurityGroups" : {
  "methodForms" : [ [ ] ],
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"DescribeSnapshots" : {
  "methodForms" : [ [ ] ],
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"DescribeSpotDatafeedSubscription" : {
  "methodForms" : [ [ ] ],
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"DescribeSpotFleetRequests" : {
  "methodForms" : [ [ ] ],
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"DescribeSpotInstanceRequests" : {
  "methodForms" : [ [ ] ],
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"DescribeSpotPriceHistory" : {
  "methodForms" : [ [ ] ],
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"DescribeSubnets" : {
  "methodForms" : [ [ ] ],
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"DescribeTags" : {
  "methodForms" : [ [ ] ],
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"DescribeVolumes": {
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"methodForms": [ [ ] ]
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"DescribeVpcEndpointServices": {
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"DescribeVpcPeeringConnections": {
"methodForms": [ [ ] ]
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"DescribeVpcs": {
"methodForms": [ [ ] ]
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"DescribeVpnConnections": {
"methodForms": [ [ ] ]
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"DescribeVpnGateways": {
"methodForms": [ [ ] ]
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"ImportImage": {
"methodForms": [ [ ] ]
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"ImportSnapshot": {
"methodForms": [ [ ] ]
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"RevokeSecurityGroupIngress": {
"methodForms": [ [ ] ]
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"skipInterfaceAdditions": false,
"skipSmokeTests": false,
"transformDirectory": "transform",
"useAutoConstructList": true,
"useAutoConstructMap": false
},
"metadata": {
"apiVersion": "2016-11-15",
"asyncClient": "AmazonEC2AsyncClient",
"asyncClientBuilderClassName": "AmazonEC2AsyncClientBuilder",
"asyncInterface": "AmazonEC2Async",
"cborProtocol": false,
Amazon Elastic Compute Cloud (Amazon EC2) provides resizable computing capacity in the Amazon Web Services (AWS) cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster.
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "AcceptReservedInstancesExchangeQuoteRequest",
  "variableName" : "acceptReservedInstancesExchangeQuoteRequest",
  "variableType" : "AcceptReservedInstancesExchangeQuoteRequest",
  "documentation" : "<p>Contains the parameters for accepting the quote.</p>",
  "simpleType" : "AcceptReservedInstancesExchangeQuoteRequest",
  "variableSetterType" : "AcceptReservedInstancesExchangeQuoteRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "acceptReservedInstancesExchangeQuote",
"operationName" : "AcceptReservedInstancesExchangeQuote",
"returnType" : {
  "returnType" : "AcceptReservedInstancesExchangeQuoteResult",
  "documentation" : "<p>The result of the exchange and whether it was <code>successful</code>.</p>",
  "syncReturnType" : "AcceptReservedInstancesExchangeQuoteResult"
},
"AcceptVpcPeeringConnection" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AcceptVpcPeeringConnectionResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AcceptVpcPeeringConnectionResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AcceptVpcPeeringConnectionRequest, AcceptVpcPeeringConnectionResult>",
  "asyncReturn_type" : "AcceptVpcPeeringConnectionResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Accept a VPC peering connection request. To accept a request, the VPC peering connection must be in the <code>pending-acceptance</code> state, and you must be the owner of the peer VPC. Use the <code>DescribeVpcPeeringConnections</code> request to view your outstanding VPC peering connection requests.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AcceptVpcPeeringConnectionRequest",
    "variableName" : "acceptVpcPeeringConnectionRequest",
    "variableType" : "AcceptVpcPeeringConnectionRequest",
    "documentation" : "<p>Contains the parameters for AcceptVpcPeeringConnection.</p>",
    "simpleType" : "AcceptVpcPeeringConnectionRequest",
    "variableSetterType" : "AcceptVpcPeeringConnectionRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "acceptVpcPeeringConnection",
  "operationName" : "AcceptVpcPeeringConnection",
  "returnType" : {
    "returnType" : "AcceptVpcPeeringConnectionResult",
    "documentation" : "<p>Contains the output of AcceptVpcPeeringConnection.</p>",
    "syncReturnType" : "AcceptVpcPeeringConnectionResult"
"AllocateAddress" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AllocateAddressResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AllocateAddressResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AllocateAddressRequest, AllocateAddressResult>",
  "asyncReturnType" : "AllocateAddressResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Acquires an Elastic IP address. An Elastic IP address is for use either in the EC2-Classic platform or in a VPC. For more information, see Elastic IP Addresses in the Amazon Elastic Compute Cloud User Guide."
}

"AllocateHosts" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AllocateHostsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AllocateHostsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AllocateHostsRequest, AllocateHostsResult>",
  "asyncReturnType" : "AllocateHostsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Allocates a Dedicated Host to your account. At minimum you need to specify the instance size type, Availability Zone, and quantity of hosts you want to allocate."
}

"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "AllocateAddressRequest",
  "variableName" : "allocateAddressRequest",
  "variableType" : "AllocateAddressRequest",
  "documentation" : "Contains the parameters for AllocateAddress."
}

"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "AllocateHostsRequest",
  "variableName" : "allocateHostsRequest",
  "variableType" : "AllocateHostsRequest",
  "documentation" : "Contains the parameters for AllocateHosts."
}
"simpleType" : "AllocateHostsRequest",
"variableSetterType" : "AllocateHostsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "allocateHosts",
"operationName" : "AllocateHosts",
"returnType" : {
  "returnType" : "AllocateHostsResult",
  "documentation" : "<p>Contains the output of AllocateHosts.</p>",
  "syncReturnType" : "AllocateHostsResult"
},
"AssignIpv6Addresses" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AssignIpv6AddressesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AssignIpv6AddressesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssignIpv6AddressesRequest, AssignIpv6AddressesResult>",
  "asyncReturnTyp
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssignPrivateIpAddressesRequest, AssignPrivateIpAddressesResult>",
"asyncReturnType" : "AssignPrivateIpAddressesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Assigns one or more secondary private IP addresses to the specified network interface. You can specify one or more specific secondary IP addresses, or you can specify the number of secondary IP addresses to be automatically assigned within the subnet's CIDR block range. The number of secondary IP addresses that you can assign to an instance varies by instance type. For information about instance types, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html" Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>. For more information about Elastic IP addresses, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p> AssignPrivateIpAddresses is available only in EC2-VPC.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "AssignPrivateIpAddressesRequest",
"variableName" : "assignPrivateIpAddressesRequest",
"variableType" : "AssignPrivateIpAddressesRequest",
"documentation" : "<p>Contains the parameters for AssignPrivateIpAddresses.</p>
"simpleType" : "AssignPrivateIpAddressesRequest",
"variableSetterType" : "AssignPrivateIpAddressesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "assignPrivateIpAddresses",
"operationName" : "AssignPrivateIpAddresses",
"returnType" : {
"returnType" : "AssignPrivateIpAddressesResult",
"documentation" : null
},
"syncReturnType" : "AssignPrivateIpAddressesResult"
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"AssociateAddress" : {
"asyncCallableType" : "java.util.concurrent.Callable<AssociateAddressResult>",
"asyncFutureType" : "java.util.concurrent.Future<AssociateAddressResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateAddressRequest, AssociateAddressResult>",
"asyncReturnType" : "AssociateAddressResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Associates an Elastic IP address with an instance or a network interface.</p>"
"An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the Amazon Elastic Compute Cloud User Guide</i>.<p>[
"[EC2-Classic, VPC in an EC2-VPC-only account] If the Elastic IP address is already associated with a different instance, it is disassociated from that instance and associated with the specified instance.</p>[
"[VPC in an EC2-Classic account] If you don't specify a private IP address, the Elastic IP address is associated with the primary IP address. If the Elastic IP address
is already associated with a different instance or a network interface, you get an error unless you allow reassociation.</p>

This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error, and you may be charged for each time the Elastic IP address is remapped to the same instance. For more information, see the &lt;i&gt;Elastic IP Addresses&lt;/i&gt; section of &lt;a href="http://aws.amazon.com/ec2/pricing/"&gt;Amazon EC2 Pricing&lt;/a&gt;.&lt;/p&gt; &lt;/important&gt;

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "AssociateAddressRequest",
  "variableName" : "associateAddressRequest",
  "variableType" : "AssociateAddressRequest",
  "documentation" : "&lt;p&gt;Contains the parameters for AssociateAddress.&lt;/p&gt;",
  "simpleType" : "AssociateAddressRequest",
  "variableSetterType" : "AssociateAddressRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "associateAddress",
"operationName" : "AssociateAddress",
"returnType" : {
  "returnType" : "AssociateAddressResult",
  "documentation" : "&lt;p&gt;Contains the output of AssociateAddress.&lt;/p&gt;"
},
"syncReturnType" : "AssociateAddressResult"
},
"AssociateDhcpOptions" : {
  "asyncCallableType" : "java.util.concurrent.Callable&lt;AssociateDhcpOptionsResult&gt;",
  "asyncFutureType" : "java.util.concurrent.Future&lt;AssociateDhcpOptionsResult&gt;",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler&lt;AssociateDhcpOptionsRequest, AssociateDhcpOptionsResult&gt;",
  "asyncReturnType" : "AssociateDhcpOptionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Associates a set of DHCP options (that you've previously created) with the specified VPC, or associates no DHCP options with the VPC.&lt;/p&gt; &lt;p&gt;After you associate the options with the VPC, any existing instances and all new instances that you launch in that VPC use the options. You don't need to restart or relaunch the instances. They automatically pick up the changes within a few hours, depending on how frequently the instance renews its DHCP lease. You can explicitly renew the lease using the operating system on the instance.&lt;/p&gt; &lt;p&gt;For more information, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html"&gt;DHCP Options Sets&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "AssociateDhcpOptionsRequest",
  "variableName" : "associateDhcpOptionsRequest",
  "variableType" : "AssociateDhcpOptionsRequest",
  "documentation" : "&lt;p&gt;Contains the parameters for AssociateDhcpOptions.&lt;/p&gt;",
  "simpleType" : "AssociateDhcpOptionsRequest",
  "variableSetterType" : "AssociateDhcpOptionsRequest"}
"variableSetterType" : "AssociateDhcpOptionsRequest",
],
"inputStreamPropertyName" : null,
"methodName" : "associateDhcpOptions",
"operationName" : "AssociateDhcpOptions",
"returnType" : {
"returnType" : "AssociateDhcpOptionsResult",
"documentation" : null
},
"syncReturnType" : "AssociateDhcpOptionsResult"
},
"AssociateIamInstanceProfile" : {
"asyncCallableType" : "java.util.concurrent.Callable<AssociateIamInstanceProfileResult>"",
"asyncFutureType" : "java.util.concurrent.Future<AssociateIamInstanceProfileResult>"",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateIamInstanceProfileRequest,
AssociateIamInstanceProfileResult>",
"asyncReturnType" : "AssociateIamInstanceProfileResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Associates an IAM instance profile with a running or stopped instance. You cannot associate more than one IAM instance profile with an instance.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "AssociateIamInstanceProfileRequest",
"variableName" : "associateIamInstanceProfileRequest",
"variableType" : "AssociateIamInstanceProfileRequest",
"documentation" : ",",
"simpleType" : "AssociateIamInstanceProfileRequest",
"variableSetterType" : "AssociateIamInstanceProfileRequest"
],
"inputStreamPropertyName" : null,
"methodName" : "associateIamInstanceProfile",
"operationName" : "AssociateIamInstanceProfile",
"returnType" : {
"returnType" : "AssociateIamInstanceProfileResult",
"documentation" : null
},
"syncReturnType" : "AssociateIamInstanceProfileResult"
},
"AssociateRouteTable" : {
"asyncCallableType" : "java.util.concurrent.Callable<AssociateRouteTableResult>"",
"asyncFutureType" : "java.util.concurrent.Future<AssociateRouteTableResult>"",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateRouteTableRequest,
AssociateRouteTableResult>",
"asyncReturnType" : "AssociateRouteTableResult",
"authenticated" : true,
"deprecated" : false,
Associates a subnet with a route table. The subnet and route table must be in the same VPC. This association causes traffic originating from the subnet to be routed according to the routes in the route table. The action returns an association ID, which you need in order to disassociate the route table from the subnet later. A route table can be associated with multiple subnets.

For more information about route tables, see [Route Tables](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html) in Amazon Virtual Private Cloud User Guide.

**Input**

- **AssociateRouteTableRequest**
  - Contains the parameters for AssociateRouteTable.

**Output**

- **AssociateRouteTableResult**
  - Contains the output of AssociateRouteTable.

**Callable**

- **AssociateSubnetCidrBlock**
  - Associates a CIDR block with your subnet. You can only associate a single IPv6 CIDR block with your subnet. An IPv6 CIDR block must have a prefix length of /64.
"returnType" : {
  "returnType" : "AssociateSubnetCidrBlockResult",
  "documentation" : null
},
"syncReturnType" : "AssociateSubnetCidrBlockResult"
},
"AssociateVpcCidrBlock" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AssociateVpcCidrBlockResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AssociateVpcCidrBlockResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateVpcCidrBlockRequest, AssociateVpcCidrBlockResult>",
  "asyncReturnType" : "AssociateVpcCidrBlockResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Associates a CIDR block with your VPC. You can only associate a single Amazon-provided IPv6 CIDR block with your VPC. The IPv6 CIDR block size is fixed at /56."
},
"AttachClassicLinkVpc" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AttachClassicLinkVpcResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AttachClassicLinkVpcResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachClassicLinkVpcRequest, AttachClassicLinkVpcResult>",
  "asyncReturnType" : "AttachClassicLinkVpcResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Links an EC2-Classic instance to a ClassicLink-enabled VPC through one or more of the VPC's security groups. You cannot link an EC2-Classic instance to more than one VPC at a time. You can only link an instance that's in the <code>running</code> state. An instance is automatically unlinked from a VPC when it's stopped - you can link it to the VPC again when you restart it. After you've linked an instance, you cannot change the VPC security groups that are associated with it. To change the security groups, you must first unlink the
instance, and then link it again.\</p> Linking your instance to a VPC is sometimes referred to as attaching your instance.\</p>\nThe "exceptions" field is null, and the "hasBlobMemberAsPayload" field is false. The "input" field is a JSON object with the following structure:

```
"variableDeclarationType" : "AttachClassicLinkVpcRequest",
"variableName" : "attachClassicLinkVpcRequest",
"variableType" : "AttachClassicLinkVpcRequest",
"documentation" : "<p>Contains the parameters for AttachClassicLinkVpc.</p>",
"simpleType" : "AttachClassicLinkVpcRequest",
"variableSetterType" : "AttachClassicLinkVpcRequest"
```

The "inputStreamPropertyName" field is null, and the "methodName" field is "attachClassicLinkVpc". The "operationName" field is "AttachClassicLinkVpc". The "returnType" field is a JSON object with the following structure:

```
"returnType" : "AttachClassicLinkVpcResult",
"documentation" : "<p>Contains the output of AttachClassicLinkVpc.</p>
```

The "syncReturnType" field is "AttachClassicLinkVpcResult".

The "AttachInternetGateway" object also contains a similar structure with fields for the "asyncCallableType", "asyncFutureType", "asyncHandlerType", "asyncReturnType", "authenticated", "deprecated", and "documentation" fields, which provide details about the method for attaching an Internet gateway to a VPC.

For more information about your VPC and Internet gateway, see the Amazon Virtual Private Cloud User Guide.\</a>
"documentation" : null,
"syncReturnType" : "AttachInternetGatewayResult",

"AttachNetworkInterface" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AttachNetworkInterfaceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AttachNetworkInterfaceResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachNetworkInterfaceRequest,
  AttachNetworkInterfaceResult>",
  "asyncReturnType" : "AttachNetworkInterfaceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Attaches a network interface to an instance.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AttachNetworkInterfaceRequest",
    "variableName" : "attachNetworkInterfaceRequest",
    "variableType" : "AttachNetworkInterfaceRequest",
    "documentation" : "<p>Contains the parameters for AttachNetworkInterface.</p>",
    "simpleType" : "AttachNetworkInterfaceRequest",
    "variableSetterType" : "AttachNetworkInterfaceRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "attachNetworkInterface",
  "operationName" : "AttachNetworkInterface",
  "returnType" : {
    "returnType" : "AttachNetworkInterfaceResult",
    "documentation" : "<p>Contains the output of AttachNetworkInterface.</p>",
  }
},
"syncReturnType" : "AttachNetworkInterfaceResult",

"AttachVolume" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AttachVolumeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AttachVolumeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachVolumeRequest,
  AttachVolumeResult>",
  "asyncReturnType" : "AttachVolumeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Attaches an EBS volume to a running or stopped instance and exposes it to the instance
  with the specified device name.</p> <p>Encrypted EBS volumes may only be attached to instances that support
  Amazon EBS encryption. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>For a list of supported device
  names, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebst volume.html">Attaching an EBS Volume to an Instance</a>. Any device names that aren’t reserved for instance
  store volumes can be used for EBS volumes. For more information, see <a

If a volume has an AWS Marketplace product code:
The volume can be attached only to a stopped instance.
AWS Marketplace product codes are copied from the volume to the instance.
You must be subscribed to the product.
The instance type and operating system of the instance must support the product.
For example, you can't detach a volume from a Windows instance and attach it to a Linux instance.
For an overview of the AWS Marketplace, see Introducing AWS Marketplace.
For more information about EBS volumes, see Attaching Amazon EBS Volumes in the Amazon Elastic Compute Cloud User Guide.

For an overview of the AWS Marketplace, see Introducing AWS Marketplace.
For more information about EBS volumes, see Attaching Amazon EBS Volumes in the Amazon Elastic Compute Cloud User Guide.

"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "AttachVolumeRequest",
  "variableName": "attachVolumeRequest",
  "variableType": "AttachVolumeRequest",
  "documentation": "Contains the parameters for AttachVolume.",
  "simpleType": "AttachVolumeRequest",
  "variableSetterType": "AttachVolumeRequest"
},
"inputStreamPropertyName": null,
"methodName": "attachVolume",
"operationName": "AttachVolume",
"returnType": {
  "returnType": "AttachVolumeResult",
  "documentation": "A simple result wrapper around the VolumeAttachment object that was sent over the wire."
},
"syncReturnType": "AttachVolumeResult"

"AttachVpnGateway": {
  "asyncCallableType": "java.util.concurrent.Callable<AttachVpnGatewayResult>",
  "asyncFutureType": "java.util.concurrent.Future<AttachVpnGatewayResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<AttachVpnGatewayRequest, AttachVpnGatewayResult>",
  "asyncReturnType": "AttachVpnGatewayResult",
  "asyncReturnObject": "AttachVpnGatewayResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "Attaches a virtual private gateway to a VPC. For more information, see Adding a Hardware Virtual Private Gateway to Your VPC in the Amazon Virtual Private Cloud User Guide."
},
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "AttachVpnGatewayRequest",
  "variableName": "attachVpnGatewayRequest",
  "variableType": "AttachVpnGatewayRequest",
  "documentation": "Contains the parameters for AttachVpnGateway."
}
"simpleType" : "AttachVpnGatewayRequest",
"variableSetterType" : "AttachVpnGatewayRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "attachVpnGateway",
"operationName" : "AttachVpnGateway",
"returnType" : {
  "returnType" : "AttachVpnGatewayResult",
  "documentation" : "<p>Contains the output of AttachVpnGateway.</p>
},
"syncReturnType" : "AttachVpnGatewayResult"
},
"AuthorizeSecurityGroupEgress" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AuthorizeSecurityGroupEgressResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AuthorizeSecurityGroupEgressResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AuthorizeSecurityGroupEgressRequest,
AuthorizeSecurityGroupEgressResult>",
  "asyncReturn-type" : "AuthorizeSecurityGroupEgressResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC only] Adds one or more egress rules to a security group for use with a VPC. Specifically, this action permits instances to send traffic to one or more destination IPv4 or IPv6 CIDR address ranges, or to one or more destination security groups for the same VPC. This action doesn't apply to security groups for use in EC2-Classic. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html">Security Groups for Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. For more information about security group limits, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Appendix_Limits.html">Amazon VPC Limits</a>.</p>
  <p>Each rule consists of the protocol (for example, TCP), plus either a CIDR range or a source group. For the TCP and UDP protocols, you must also specify the destination port or port range. For the ICMP protocol, you must also specify the ICMP type and code. You can use -1 for the type or code to mean all types or all codes.</p>
  <p>Rule changes are propagated to affected instances as quickly as possible. However, a small delay might occur.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AuthorizeSecurityGroupEgressRequest",
    "variableName" : "authorizeSecurityGroupEgressRequest",
    "variableType" : "AuthorizeSecurityGroupEgressRequest",
    "documentation" : "<p>Contains the parameters for AuthorizeSecurityGroupEgress.</p>
  }
};
Add one or more ingress rules to a security group. Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur. You can have up to 100 rules per group.

**EC2-Classic**
This action gives one or more IPv4 CIDR address ranges permission to access a security group in your account, or gives one or more security groups (called the source groups) permission to access a security group for your account. A source group can be for your own AWS account, or another. You can have up to 100 rules per group.

**EC2-VPC**
This action gives one or more IPv4 or IPv6 CIDR address ranges permission to access a security group in your VPC, or gives one or more other security groups (called the source groups) permission to access a security group for your VPC. The security groups must all be for the same VPC or a peer VPC in a VPC peering connection. For more information about VPC security group limits, see the Amazon VPC Limits page.

**Exceptions**

Contains the parameters for AuthorizeSecurityGroupIngress.

**Simple Type**

Contains the parameters for AuthorizeSecurityGroupIngress.

**Variable Setter Type**

Contains the parameters for AuthorizeSecurityGroupIngress.

**InputStream Property Name**

Contains the parameters for AuthorizeSecurityGroupIngress.

**Method Name**

Contains the parameters for AuthorizeSecurityGroupIngress.

**Operation Name**

Contains the parameters for AuthorizeSecurityGroupIngress.

**Return Type**

Contains the parameters for AuthorizeSecurityGroupIngress.
Bundles an Amazon instance store-backed Windows instance.

During bundling, only the root device volume (C:\) is bundled. Data on other instance store volumes is not preserved.

This action is not applicable for Linux/Unix instances or Windows instances that are backed by Amazon EBS.

For more information, see [Creating an Instance Store-Backed Windows AMI](http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/Creating_InstanceStoreBacked_WinAMI.html).
"operationName" : "CancelBundleTask",
"returnType" : {
    "returnType" : "CancelBundleTaskResult",
    "documentation" : "<p>Contains the output of CancelBundleTask.</p>",
},
"syncReturnType" : "CancelBundleTaskResult"
},
"CancelConversionTask" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CancelConversionTaskResult>",
    "asyncFutureType" : "java.util.concurrent.Future<CancelConversionTaskResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelConversionTaskRequest,
CancelConversionTaskResult>",
    "asyncReturnType" : "CancelConversionTaskResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Cancels an active conversion task. The task can be the import of an instance or volume. The action removes all artifacts of the conversion, including a partially uploaded volume or instance. If the conversion is complete or is in the process of transferring the final disk image, the command fails and returns an exception.</p> For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ec2-cli-vmimport-export.html">Importing a Virtual Machine Using the Amazon EC2 CLI</a>.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "CancelConversionTaskRequest",
    "variableName" : "cancelConversionTaskRequest",
    "variableType" : "CancelConversionTaskRequest",
    "documentation" : "<p>Contains the parameters for CancelConversionTask.</p>",
    "simpleType" : "CancelConversionTaskRequest",
    "variableSetterType" : "CancelConversionTaskRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "cancelConversionTask",
"operationName" : "CancelConversionTask",
"returnType" : {
    "returnType" : "CancelConversionTaskResult",
    "documentation" : null
},
"syncReturnType" : "CancelConversionTaskResult"
},
"CancelExportTask" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CancelExportTaskResult>",
    "asyncFutureType" : "java.util.concurrent.Future<CancelExportTaskResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelExportTaskRequest,
CancelExportTaskResult>",
    "asyncReturnType" : "CancelExportTaskResult",
    "authenticated" : true,
    "deprecated" : false,
Cancels an active export task. The request removes all artifacts of the export, including any partially-created Amazon S3 objects. If the export task is complete or is in the process of transferring the final disk image, the command fails and returns an error.

Cancels an in-process import virtual machine or import snapshot task.
"syncReturnType" : "CancelImportTaskResult",
],
"CancelReservedInstancesListing" : {
asyncCallableType" : "java.util.concurrent.Callable<CancelReservedInstancesListingResult>",
"asyncFutureType" : "java.util.concurrent.Future<CancelReservedInstancesListingResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelReservedInstancesListingRequest,
CancelReservedInstancesListingResult>",
"asyncReturnType" : "CancelReservedInstancesListingResult",
authenticated" : true,
"deprecated" : false,
documentation" : "<p>Cancels the specified Reserved Instance listing in the Reserved Instance
Marketplace.</p> For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance
Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
variableDeclarationType" : "CancelReservedInstancesListingRequest",
variableName" : "cancelReservedInstancesListingRequest",
variableType" : "CancelReservedInstancesListingRequest",
documentation" : "<p>Contains the parameters for CancelReservedInstancesListing.</p>

simpleType" : "CancelReservedInstancesListingRequest",
variableSetterType" : "CancelReservedInstancesListingRequest"
},
inputStreamPropertyName" : null,
methodName" : "cancelReservedInstancesListing",
operationName" : "CancelReservedInstancesListing",
returnType" : {
returnType" : "CancelReservedInstancesListingResult",
documentation" : "<p>Contains the output of CancelReservedInstancesListing.</p>"
},
syncReturnType" : "CancelReservedInstancesListingResult"
],
"CancelSpotFleetRequests" : {
asyncCallableType" : "java.util.concurrent.Callable<CancelSpotFleetRequestsResult>",
asyncFutureType" : "java.util.concurrent.Future<CancelSpotFleetRequestsResult>",
asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelSpotFleetRequestsRequest,
CancelSpotFleetRequestsResult>",
asyncReturnType" : "CancelSpotFleetRequestsResult",
authenticated" : true,
"deprecated" : false,
documentation" : "<p>Cancels the specified Spot fleet requests.</p> <p>After you cancel a Spot fleet request, the
Spot fleet launches no new Spot instances. You must specify whether the Spot fleet should also terminate its
Spot instances. If you terminate the instances, the Spot fleet request enters the <code>cancelled_terminating</code>
state. Otherwise, the Spot fleet request enters the <code>cancelled_running</code> state and the instances continue
to run until they are interrupted or you terminate them manually.</p>"
exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input": {
  "variableDeclarationType": "CancelSpotFleetRequestsRequest",
  "variableName": "cancelSpotFleetRequestsRequest",
  "variableType": "CancelSpotFleetRequestsRequest",
  "documentation": "<p>Contains the parameters for CancelSpotFleetRequests.</p>",
  "simpleType": "CancelSpotFleetRequestsRequest",
  "variableSetterType": "CancelSpotFleetRequestsRequest"
},
"inputStreamPropertyName": null,
"methodName": "cancelSpotFleetRequests",
"operationName": "CancelSpotFleetRequests",
"returnType": {
  "returnType": "CancelSpotFleetRequestsResult",
  "documentation": "<p>Contains the output of CancelSpotFleetRequests.</p>
}
},
"syncReturnType": "CancelSpotFleetRequestsResult"
},
"CancelSpotInstanceRequests": {
  "asyncCallableType": "java.util.concurrent.Callable<CancelSpotInstanceRequestsResult>",
  "asyncFutureType": "java.util.concurrent.Future<CancelSpotInstanceRequestsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CancelSpotInstanceRequestsRequest, CancelSpotInstanceRequestsResult>",
  "asyncReturnType": "CancelSpotInstanceRequestsResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Cancels one or more Spot instance requests. Spot instances are instances that Amazon EC2 starts on your behalf when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot instance capacity and current Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-requests.html">Spot Instance Requests</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <important> <p>Canceling a Spot instance request does not terminate running Spot instances associated with the request.</p> </important>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "CancelSpotInstanceRequestsRequest",
    "variableName": "cancelSpotInstanceRequestsRequest",
    "variableType": "CancelSpotInstanceRequestsRequest",
    "documentation": "<p>Contains the parameters for CancelSpotInstanceRequests.</p>",
    "simpleType": "CancelSpotInstanceRequestsRequest",
    "variableSetterType": "CancelSpotInstanceRequestsRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "cancelSpotInstanceRequests",
  "operationName": "CancelSpotInstanceRequests",
  "returnType": {
    "returnType": "CancelSpotInstanceRequestsResult",
    "documentation": "<p>Contains the output of CancelSpotInstanceRequests.</p>
"}}
}
"syncReturnType" : "CancelSpotInstanceRequestsResult" 
}
"ConfirmProductInstance" : {
"asyncCallableType" : "java.util.concurrent.Callable<ConfirmProductInstanceResult>",
"asyncFutureType" : "java.util.concurrent.Future<ConfirmProductInstanceResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ConfirmProductInstanceRequest, ConfirmProductInstanceResult>",
"asyncReturnType" : "ConfirmProductInstanceResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Determines whether a product code is associated with an instance. This action can only be used by the owner of the product code. It is useful when a product code owner needs to verify whether another user's instance is eligible for support. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ConfirmProductInstanceRequest",
"variableName" : "confirmProductInstanceRequest",
"variableType" : "ConfirmProductInstanceRequest",
"documentation" : "<p>Contains the parameters for ConfirmProductInstance. </p>",
"simpleType" : "ConfirmProductInstanceRequest",
"variableSetterType" : "ConfirmProductInstanceRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "confirmProductInstance",
"operationName" : "ConfirmProductInstance",
"returnType" : {
"returnType" : "ConfirmProductInstanceResult",
"documentation" : "<p>Contains the output of ConfirmProductInstance. </p>",
"syncReturnType" : "ConfirmProductInstanceResult"
},
"CopyImage" : {
"asyncCallableType" : "java.util.concurrent.Callable<CopyImageResult>",
"asyncFutureType" : "java.util.concurrent.Future<CopyImageResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CopyImageRequest, CopyImageResult>",
"asyncReturnType" : "CopyImageResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Initiates the copy of an AMI from the specified source region to the current region. You specify the destination region by using its endpoint when making the request.</p> <p>For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CopyingAMIs.html"&gt;Copying AMIs&lt;/a&gt; in the Amazon Elastic Compute Cloud User Guide.&lt;/i&gt;.&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CopyImageRequest",
"variableName" : "copyImageRequest",
"variableType" : "CopyImageRequest",
"variableSetterType" : "CopyImageRequest"
"variableType" : "CopyImageRequest",
"documentation" : "<p>Contains the parameters for CopyImage.</p>",
"simpleType" : "CopyImageRequest",
"variableSetterType" : "CopyImageRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "copyImage",
"operationName" : "CopyImage",
"returnType" : {
  "returnType" : "CopyImageResult",
  "documentation" : "<p>Contains the output of CopyImage.</p>"
},
"syncReturnType" : "CopyImageResult"
},
"CopySnapshot" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CopySnapshotResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CopySnapshotResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CopySnapshotRequest, CopySnapshotResult>",
  "asyncReturnType" : "CopySnapshotResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Copies a point-in-time snapshot of an EBS volume and stores it in Amazon S3. You can copy the snapshot within the same region or from one region to another. You can use the snapshot to create EBS volumes or Amazon Machine Images (AMIs). The snapshot is copied to the regional endpoint that you send the HTTP request to.</p> <p>Copies of encrypted EBS snapshots remain encrypted. Copies of unencrypted snapshots remain unencrypted, unless the <code>Encrypted</code> flag is specified during the snapshot copy operation. By default, encrypted snapshot copies use the default AWS Key Management Service (AWS KMS) customer master key (CMK); however, you can specify a non-default CMK with the <code>KmsKeyId</code> parameter. </p> <note> <p>To copy an encrypted snapshot that has been shared from another account, you must have permissions for the CMK used to encrypt the snapshot.</p> </note> <note> <p>Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.</p> </note> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-copy-snapshot.html">Copying an Amazon EBS Snapshot</a> in the Amazon Elastic Compute Cloud User Guide.</p>"
  
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CopySnapshotRequest",
    "variableName" : "copySnapshotRequest",
    "variableType" : "CopySnapshotRequest",
    "documentation" : "<p>Contains the parameters for CopySnapshot.</p>"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "copySnapshot",
  "operationName" : "CopySnapshot",
  "returnType" : {
    "returnType" : "CopySnapshotResult",
    "documentation" : "<p>Contains the parameters for CopySnapshot.</p>"
"returnType" : "CopySnapshotResult",
"documentation" : "<p>Contains the output of CopySnapshot.</p>"
},
"syncReturnType" : "CopySnapshotResult"
},
"CreateCustomerGateway" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateCustomerGatewayResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateCustomerGatewayResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateCustomerGatewayRequest, CreateCustomerGatewayResult>",
"asyncReturn-type" : "CreateCustomerGatewayResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Provides information to AWS about your VPN customer gateway device. The customer gateway is the appliance at your end of the VPN connection. (The device on the AWS side of the VPN connection is the virtual private gateway.) You must provide the Internet-routable IP address of the customer gateway's external interface. The IP address must be static and may be behind a device performing network address translation (NAT).</p> <p>For devices that use Border Gateway Protocol (BGP), you can also provide the device's BGP Autonomous System Number (ASN). You can use an existing ASN assigned to your network. If you don't have an ASN already, you can use a private ASN (in the 64512 - 65534 range). Amazon EC2 supports all 2-byte ASN numbers in the range of 1 - 65534, with the exception of 7224, which is reserved in the <code>us-east-1</code> region, and 9059, which is reserved in the <code>eu-west-1</code> region.</p> <p>For more information about VPN customer gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p> <p>You cannot create more than one customer gateway with the same VPN type, IP address, and BGP ASN parameter values. If you run an identical request more than one time, the first request creates the customer gateway, and subsequent requests return information about the existing customer gateway. The subsequent requests do not create new customer gateway resources.</p>"
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateCustomerGatewayRequest",
"variableName" : "createCustomerGatewayRequest",
"variableType" : "CreateCustomerGatewayRequest",
"documentation" : "<p>Contains the parameters for CreateCustomerGateway.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "createCustomerGateway",
"operationName" : "CreateCustomerGateway",
"returnType" : {
"returnType" : "CreateCustomerGatewayResult",
"documentation" : "<p>Contains the output of CreateCustomerGateway.</p>"
},
"syncReturnType" : "CreateCustomerGatewayResult"};
"CreateDhcpOptions" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateDhcpOptionsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateDhcpOptionsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateDhcpOptionsRequest, CreateDhcpOptionsResult>",
  "asyncReturnType" : "CreateDhcpOptionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a set of DHCP options for your VPC. After creating the set, you must associate it with the VPC, causing all existing and new instances that you launch in the VPC to use this set of DHCP options. The following are the individual DHCP options you can specify. For more information about the options, see <a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a>.</p> <ul> <li> <p> <code>domain-name-servers</code> - The IP addresses of up to four domain name servers, or AmazonProvidedDNS. The default DHCP option set specifies AmazonProvidedDNS. If specifying more than one domain name server, specify the IP addresses in a single parameter, separated by commas. If you want your instance to receive a custom DNS hostname as specified in <code>domain-name</code>, you must set <code>domain-name-servers</code> to a custom DNS server.</p> </li> <li> <p> <code>domain-name</code> - If you're using AmazonProvidedDNS in "us-east-1", specify "ec2.internal". If you're using AmazonProvidedDNS in another region, specify "region.compute.internal" (for example, "ap-northeast-1.compute.internal"). Otherwise, specify a domain name (for example, "MyCompany.com"). This value is used to complete unqualified DNS hostnames. <b>Important</b>: Some Linux operating systems accept multiple domain names separated by spaces. However, Windows and other Linux operating systems treat the value as a single domain, which results in unexpected behavior. If your DHCP options set is associated with a VPC that has instances with multiple operating systems, specify only one domain name.</p> </li> <li> <p> <code>ntp-servers</code> - The IP addresses of up to four Network Time Protocol (NTP) servers.</p> </li> <li> <p> <code>netbios-name-servers</code> - The IP addresses of up to four NetBIOS name servers.</p> </li> <li> <p> <code>netbios-node-type</code> - The NetBIOS node type (1, 2, 4, or 8). We recommend that you specify 2 (broadcast and multicast are not currently supported). For more information about these node types, see <a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a>.</p> </li> </ul> <p>Your VPC automatically starts out with a set of DHCP options that includes only a DNS server that we provide (AmazonProvidedDNS). If you create a set of options, and if your VPC has an Internet gateway, make sure to set the <code>domain-name-servers</code> option either to <code>AmazonProvidedDNS</code> or to a domain name server of your choice. For more information about DHCP options, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"
"returnType" : "CreateDhcpOptionsResult",
"documentation" : "<p>Contains the output of CreateDhcpOptions.</p>"},
"syncReturnType" : "CreateDhcpOptionsResult"
},
"CreateEgressOnlyInternetGateway" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateEgressOnlyInternetGatewayResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateEgressOnlyInternetGatewayResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateEgressOnlyInternetGatewayRequest,
CreateEgressOnlyInternetGatewayResult>",
"asyncReturnType" : "CreateEgressOnlyInternetGatewayResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>[IPv6 only] Creates an egress-only Internet gateway for your VPC. An egress-only
Internet gateway is used to enable outbound communication over IPv6 from instances in your VPC to the Internet,
and prevents hosts outside of your VPC from initiating an IPv6 connection with your instance.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateEgressOnlyInternetGatewayRequest",
"variableName" : "createEgressOnlyInternetGatewayRequest",
"variableType" : "CreateEgressOnlyInternetGatewayRequest",
"documentation" : "",
"simpleType" : "CreateEgressOnlyInternetGatewayRequest",
"variableSetterType" : "CreateEgressOnlyInternetGatewayRequest" },
"inputStreamPropertyName" : null,
"methodName" : "createEgressOnlyInternetGateway",
"operationName" : "CreateEgressOnlyInternetGateway",
"returnType" : {
"returnType" : "CreateEgressOnlyInternetGatewayResult",
"documentation" : null
},
"syncReturnType" : "CreateEgressOnlyInternetGatewayResult"
},
"CreateFlowLogs" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateFlowLogsResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateFlowLogsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateFlowLogsRequest,
CreateFlowLogsResult>",
"asyncReturnType" : "CreateFlowLogsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates one or more flow logs to capture IP traffic for a specific network interface,
subnet, or VPC. Flow logs are delivered to a specified log group in Amazon CloudWatch Logs. If you specify a
VPC or subnet in the request, a log stream is created in CloudWatch Logs for each network interface in the subnet or
VPC. Log streams can include information about accepted and rejected traffic to a network interface. You can view
the data in your log streams using Amazon CloudWatch Logs.</p>" <p>In your request, you must also specify an
IAM role that has permission to publish logs to CloudWatch Logs.</p>

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "CreateFlowLogsRequest",
  "variableName" : "createFlowLogsRequest",
  "variableType" : "CreateFlowLogsRequest",
  "documentation" : "<p>Contains the parameters for CreateFlowLogs.</p>",
  "simpleType" : "CreateFlowLogsRequest",
  "variableSetterType" : "CreateFlowLogsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createFlowLogs",
"operationName" : "CreateFlowLogs",
"returnType" : {
  "returnType" : "CreateFlowLogsResult",
  "documentation" : "<p>Contains the output of CreateFlowLogs.</p>",
  "syncReturnType" : "CreateFlowLogsResult"
},
"CreateImage" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateImageResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateImageResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateImageRequest, CreateImageResult>",
  "asyncReturnType" : "CreateImageResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates an Amazon EBS-backed AMI from an Amazon EBS-backed instance that is either running or stopped.</p> <p>If you customized your instance with instance store volumes or EBS volumes in addition to the root device volume, the new AMI contains block device mapping information for those volumes. When you launch an instance from this new AMI, the instance automatically launches with those additional volumes.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami-ebs.html">Creating Amazon EBS-Backed Linux AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateImageRequest",
    "variableName" : "createImageRequest",
    "variableType" : "CreateImageRequest",
    "documentation" : "<p>Contains the parameters for CreateImage.</p>",
    "simpleType" : "CreateImageRequest",
    "variableSetterType" : "CreateImageRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createImage",
  "operationName" : "CreateImage",
  "returnType" : {"returnType" : "CreateImageResult","documentation" : "<p>Contains the output of CreateImage.</p>"}}
"returnType" : "CreateImageResult",
"documentation" : "<p>Contains the output of CreateImage.</p>"
},
"syncReturnType" : "CreateImageResult"
],
"CreateInstanceExportTask" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateInstanceExportTaskResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateInstanceExportTaskResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateInstanceExportTaskRequest,
CreateInstanceExportTaskResult>",
"asyncReturnType" : "CreateInstanceExportTaskResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Exports a running or stopped instance to an S3 bucket.</p> For information about the
supported operating systems, image formats, and known limitations for the types of instances you can export, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmexport.html">Exporting an Instance as a VM Using VM Import/Export</a> in the <i>VM Import/Export User Guide</i>.</p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateInstanceExportTaskRequest",
"variableName" : "createInstanceExportTaskRequest",
"variableType" : "CreateInstanceExportTaskRequest",
"documentation" : "<p>Contains the parameters for CreateInstanceExportTask.</p>
"simpleType" : "CreateInstanceExportTaskRequest",
"variableSetterType" : "CreateInstanceExportTaskRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createInstanceExportTask",
"operationName" : "CreateInstanceExportTask",
"returnType" : {
"returnType" : "CreateInstanceExportTaskResult",
"documentation" : "<p>Contains the output for CreateInstanceExportTask.</p>"
},
"syncReturnType" : "CreateInstanceExportTaskResult"
],
"CreateInternetGateway" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateInternetGatewayResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateInternetGatewayResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateInternetGatewayRequest,
CreateInternetGatewayResult>",
"asyncReturnType" : "CreateInternetGatewayResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates an Internet gateway for use with a VPC. After creating the Internet gateway, you
attach it to a VPC using <a>AttachInternetGateway</a>. For more information about your VPC and
Internet gateway, see the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/">Amazon Virtual
Private Cloud User Guide</a>.</p>"
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
   "variableDeclarationType" : "CreateInternetGatewayRequest",
   "variableName" : "createInternetGatewayRequest",
   "variableType" : "CreateInternetGatewayRequest",
   "documentation" : "<p>Contains the parameters for CreateInternetGateway.</p>",
   "simpleType" : "CreateInternetGatewayRequest",
   "variableSetterType" : "CreateInternetGatewayRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createInternetGateway",
"operationName" : "CreateInternetGateway",
"returnType" : {
   "returnType" : "CreateInternetGatewayResult",
   "documentation" : "<p>Contains the output of CreateInternetGateway.</p>",
   "syncReturnType" : "CreateInternetGatewayResult"
},
"CreateKeyPair" : {
   "asyncCallableType" : "java.util.concurrent.Callable<CreateKeyPairResult>",
   "asyncFutureType" : "java.util.concurrent.Future<CreateKeyPairResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateKeyPairRequest, CreateKeyPairResult>",
   "asyncReturnType" : "CreateKeyPairResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Creates a 2048-bit RSA key pair with the specified name. Amazon EC2 stores the public
key and displays the private key for you to save to a file. The private key is returned as an unencrypted PEM
encoded PKCS#8 private key. If a key with the specified name already exists, Amazon EC2 returns an error.</p>
<p>You can have up to five thousand key pairs per region.</p> <p>The key pair returned to you is available only in
the region in which you create it. To create a key pair that is available in all regions, use
<a>ImportKeyPair</a>.</p> <p>For more information about key pairs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the
Amazon Elastic Compute Cloud User Guide</i>.</p>",
   "exceptions" : null,
   "hasBlobMemberAsPayload" : false,
   "input" : {
      "variableDeclarationType" : "CreateKeyPairRequest",
      "variableName" : "createKeyPairRequest",
      "variableType" : "CreateKeyPairRequest",
      "documentation" : "<p>Contains the parameters for CreateKeyPair.</p>",
      "simpleType" : "CreateKeyPairRequest",
      "variableSetterType" : "CreateKeyPairRequest"
   },
   "inputStreamPropertyName" : null,
   "methodName" : "createKeyPair",
   "operationName" : "CreateKeyPair"
"returnType" : {  
  "returnType" : "CreateKeyPairResult",  
  "documentation" : "A simple result wrapper around the KeyPair object that was sent over the wire."
},  
"syncReturnType" : "CreateKeyPairResult"
},
"createNatGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateNatGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateNatGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateNatGatewayRequest,  
CreateNatGatewayResult>",
  "asyncReturnType" : "CreateNatGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a NAT gateway in the specified subnet. A NAT gateway can be used to enable
instances in a private subnet to connect to the Internet. This action creates a network interface in the specified subnet
with a private IP address from the IP address range of the subnet. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">NAT Gateways</a> in
the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateNatGatewayRequest",
    "variableName" : "createNatGatewayRequest",
    "variableType" : "CreateNatGatewayRequest",
    "documentation" : "Contains the parameters for CreateNatGateway."
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createNatGateway",
  "operationName" : "CreateNatGateway",
  "returnType" : {
    "returnType" : "CreateNatGatewayResult",
    "documentation" : "Contains the output of CreateNatGateway."
  },
  "syncReturnType" : "CreateNatGatewayResult"
},
"createNetworkAcl" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateNetworkAclResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateNetworkAclResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateNetworkAclRequest,  
CreateNetworkAclResult>",
  "asyncReturnType" : "CreateNetworkAclResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a network ACL in a VPC. Network ACLs provide an optional layer of security
(in addition to security groups) for the instances in your VPC.</p> For more information about network ACLs,

"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreateNetworkAclEntryRequest",
  "variableName": "createNetworkAclEntryRequest",
  "variableType": "CreateNetworkAclEntryRequest",
  "documentation": "<p>Creates an entry (a rule) in a network ACL with the specified rule number. Each network ACL has a set of numbered ingress rules and a separate set of numbered egress rules. When determining whether a packet should be allowed in or out of a subnet associated with the ACL, we process the entries in the ACL according to the rule numbers, in ascending order. Each network ACL has a set of ingress rules and a separate set of egress rules.</p>
After you add an entry, you can't modify it; you must either replace it, or create an entry and delete the old one.<p>
For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the Amazon Virtual Private Cloud User Guide.

"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreateNetworkAclEntryRequest",
  "variableName": "createNetworkAclEntryRequest",
  "variableType": "CreateNetworkAclEntryRequest",
  "documentation": "<p>Contains the parameters for CreateNetworkAclEntry.</p>
"simpleType": "CreateNetworkAclEntryRequest",
"variableSetterType": "CreateNetworkAclEntryRequest"
},
"output": {
  "variableDeclarationType": "CreateNetworkAclEntryResult",
  "variableName": "createNetworkAclEntryResult",
  "variableType": "CreateNetworkAclEntryResult",
  "documentation": "<p>Contains the output of CreateNetworkAclEntry.</p>
"simpleType": "CreateNetworkAclEntryResult",
"variableSetterType": "CreateNetworkAclEntryResult"
},
"asyncCallableType": "java.util.concurrent.Callable<CreateNetworkAclEntryResult>",
"asyncFutureType": "java.util.concurrent.Future<CreateNetworkAclEntryResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CreateNetworkAclEntryRequest,
CreateNetworkAclEntryRequest>",
"asyncReturnType": "CreateNetworkAclEntryResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>After you add an entry, you can't modify it; you must either replace it, or create an entry and delete the old one.</p>
For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the Amazon Virtual Private Cloud User Guide."}
"inputStreamPropertyName" : null,
"methodName" : "createNetworkAclEntry",
"operationName" : "CreateNetworkAclEntry",
"returnType" : {
    "returnType" : "CreateNetworkAclEntryResult",
    "documentation" : null
},
"syncReturnType" : "CreateNetworkAclEntryResult"
},
"CreateNetworkInterface" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CreateNetworkInterfaceResult>",
    "asyncFutureType" : "java.util.concurrent.Future<CreateNetworkInterfaceResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateNetworkInterfaceRequest, CreateNetworkInterfaceResult>",
    "asyncReturnTyp.." : "CreateNetworkInterfaceResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Creates a network interface in the specified subnet.</p>
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "CreateNetworkInterfaceRequest",
        "variableName" : "createNetworkInterfaceRequest",
        "variableType" : "CreateNetworkInterfaceRequest",
        "documentation" : "Contains the parameters for CreateNetworkInterface.
    "simpleType" : "CreateNetworkInterfaceRequest",
        "variableSetterType" : "CreateNetworkInterfaceRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "createNetworkInterface",
    "operationName" : "CreateNetworkInterface",
    "returnType" : {
        "returnType" : "CreateNetworkInterfaceResult",
        "documentation" : "Contains the output of CreateNetworkInterface.
    "syncReturnType" : "CreateNetworkInterfaceResult"
},
"CreatePlacementGroup" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CreatePlacementGroupResult>",
    "asyncFutureType" : "java.util.concurrent.Future<CreatePlacementGroupResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreatePlacementGroupRequest, CreatePlacementGroupResult>",
    "asyncReturnTyp.." : "CreatePlacementGroupResult",
    "authenticated" : true,
    "deprecated" : false,
"documentation": "<p>Creates a placement group that you launch cluster instances into. You must give the group a name that's unique within the scope of your account.</p> For more information about placement groups and cluster instances, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreatePlacementGroupRequest",
  "variableName": "createPlacementGroupRequest",
  "variableType": "CreatePlacementGroupRequest",
  "documentation": "<p>Contains the parameters for CreatePlacementGroup.</p>",
  "simpleType": "CreatePlacementGroupRequest",
  "variableSetterType": "CreatePlacementGroupRequest"
},
"inputStreamPropertyName": null,
"methodName": "createPlacementGroup",
"operationName": "CreatePlacementGroup",
"returnType": {
  "returnType": "CreatePlacementGroupResult",
  "documentation": null
},
"syncReturnType": "CreatePlacementGroupResult"
},
"CreateReservedInstancesListing": {
  "asyncCallableType": "java.util.concurrent.Callable&lt;CreateReservedInstancesListingResult&gt;",
  "asyncFutureType": "java.util.concurrent.Future&lt;CreateReservedInstancesListingResult&gt;",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler&lt;CreateReservedInstancesListingRequest, CreateReservedInstancesListingResult&gt;",
  "asyncReturnResult": "CreateReservedInstancesListingResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Creates a listing for Amazon EC2 Standard Reserved Instances to be sold in the Reserved Instance Marketplace. You can submit one Standard Reserved Instance listing at a time. To get a list of your Standard Reserved Instances, you can use the &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> operation.</p> Only Standard Reserved Instances with a capacity reservation can be sold in the Reserved Instance Marketplace. Convertible Reserved Instances and Standard Reserved Instances with a regional benefit cannot be sold.</note> <p>The Reserved Instance Marketplace matches sellers who want to resell Standard Reserved Instance capacity that they no longer need with buyers who want to purchase additional capacity. Reserved Instances bought and sold through the Reserved Instance Marketplace work like any other Reserved Instances.</p> To sell your Standard Reserved Instances, you must first register as a seller in the Reserved Instance Marketplace. After completing the registration process, you can create a Reserved Instance Marketplace listing of some or all of your Standard Reserved Instances, and specify the upfront price to receive for them. Your Standard Reserved Instance listings then become available for purchase. To view the details of your Standard Reserved Instance listing, you can use the &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> operation.</note> <p>For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreateReservedInstancesListingRequest",
  "variableName": "createReservedInstancesListingRequest",
  "variableType": "CreateReservedInstancesListingRequest",
  "documentation": "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
  "simpleType": "CreateReservedInstancesListingRequest",
  "variableSetterType": "CreateReservedInstancesListingRequest"
},
"inputStreamPropertyName": null,
"methodName": "createReservedInstancesListing",
"operationName": "CreateReservedInstancesListing",
"returnType": {
  "returnType": "CreateReservedInstancesListingResult",
  "documentation": "<p>Contains the output of CreateReservedInstancesListing.</p>"
},
"syncReturnType": "CreateReservedInstancesListingResult"
},
"CreateRoute": {
  "asyncCallableType": "java.util.concurrent.Callable<CreateRouteResult>",
  "asyncFutureType": "java.util.concurrent.Future<CreateRouteResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CreateRouteRequest, CreateRouteResult>",
  "asyncReturnType": "CreateRouteResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Creates a route in a route table within a VPC.</p>
  <p>You must specify one of the following targets: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection, network interface, or egress-only Internet gateway.</p>
  <p>When determining how to route traffic, we use the route with the most specific match. For example, traffic is destined for the IPv4 address
  <code>192.0.2.3</code>, and the route table includes the following two IPv4 routes:
  <ul><li><code>192.0.2.0/24</code> (goes to some target A)</li><li><code>192.0.2.0/28</code> (goes to some target B)</li></ul>
  <p>Both routes apply to the traffic destined for <code>192.0.2.3</code>. However, the second route in the list covers a smaller number of IP addresses and is therefore more specific, so we use that route to determine where to target the traffic.</p>
  </p>"
},
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreateRouteRequest",
  "variableName": "createRouteRequest",
  "variableType": "CreateRouteRequest",
  "documentation": "<p>Contains the parameters for CreateRoute.</p>",
  "simpleType": "CreateRouteRequest",
  "variableSetterType": "CreateRouteRequest"
},
"inputStreamPropertyName": null,
"methodName": "createRoute"
"operationName" : "CreateRoute",
"returnType" : {
  "returnType" : "CreateRouteResult",
  "documentation" : "<p>Contains the output of CreateRoute.</p>"
},
"syncReturnType" : "CreateRouteResult"
},
"CreateRouteTable" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateRouteTableResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateRouteTableResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateRouteTableRequest, CreateRouteTableResult>",
  "asyncReturnType" : "CreateRouteTableResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a route table for the specified VPC. After you create a route table, you can add routes and associate the table with a subnet.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateRouteTableRequest",
    "variableName" : "createRouteTableRequest",
    "variableType" : "CreateRouteTableRequest",
    "documentation" : "<p>Contains the parameters for CreateRouteTable.</p>",
    "simpleType" : "CreateRouteTableRequest",
    "variableSetterType" : "CreateRouteTableRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createRouteTable",
  "operationName" : "CreateRouteTable",
  "returnType" : {
    "returnType" : "CreateRouteTableResult",
    "documentation" : "<p>Contains the output of CreateRouteTable.</p>"
  },
  "syncReturnType" : "CreateRouteTableResult"
},
"CreateSecurityGroup" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateSecurityGroupResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateSecurityGroupResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateSecurityGroupRequest, CreateSecurityGroupResult>",
  "asyncReturnType" : "CreateSecurityGroupResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a security group.</p> <p>A security group is for use with instances either in the EC2-Classic platform or in a specific VPC. For more information, see <a
Amazon EC2 Security Groups

Amazon Elastic Compute Cloud User Guide

Security Groups for Your VPC

Amazon Virtual Private Cloud User Guide

EC2-Classic: You can have up to 500 security groups.

EC2-VPC: You can create up to 500 security groups per VPC.

When you create a security group, you specify a friendly name of your choice. You can have a security group for use in EC2-Classic with the same name as a security group for use in a VPC. However, you can't have two security groups for use in EC2-Classic with the same name or two security groups for use in a VPC with the same name.

You have a default security group for use in EC2-Classic and a default security group for use in your VPC. If you don't specify a security group when you launch an instance, the instance is launched into the appropriate default security group. A default security group includes a default rule that grants instances unrestricted network access to each other.

You can add or remove rules from your security groups using CreateSecurityGroupIngress, CreateSecurityGroupEgress, RevokeSecurityGroupIngress, and RevokeSecurityGroupEgress.

Exceptions: null

HasBlobMemberAsPayload: false

Input: {
  variableDeclarationType: "CreateSecurityGroupRequest",
  variableName: "createSecurityGroupRequest",
  variableType: "CreateSecurityGroupRequest",
  documentation: "Contains the parameters for CreateSecurityGroup."
}

InputStreamPropertyName: null

methodName: "createSecurityGroup",

operationName: "CreateSecurityGroup",

returnType: {
  returnType: "CreateSecurityGroupResult",
  documentation: "Contains the output of CreateSecurityGroup."
}

syncReturnType: "CreateSecurityGroupResult"

CreateSnapshot: {
  asyncCallableType: "java.util.concurrent.Callable<CreateSnapshotResult>"
}

asyncFutureType: "java.util.concurrent.Future<CreateSnapshotResult>"

asyncHandlerType: "com.amazonaws.handlers.AsyncHandler<CreateSnapshotRequest, CreateSnapshotResult>"

asyncReturnType: "CreateSnapshotResult"

authenticated: true

deprecated: false

documentation: "Creates a snapshot of an EBS volume and stores it in Amazon S3. You can use snapshots for backups, to make copies of EBS volumes, and to save data before shutting down an instance."

When a snapshot is created, any AWS Marketplace product codes that are associated with the source volume are propagated to the snapshot.

You can take a snapshot of an attached volume that is in use. However, snapshots only capture data that has been written to your EBS volume at the time the snapshot command is issued; this may exclude any data that has been cached by any applications or the operating system. If you can pause any file systems on the volume long enough to take a snapshot, your snapshot should be complete. However, if you cannot pause all file
writes to the volume, you should unmount the volume from within the instance, issue the snapshot command, and then remount the volume to ensure a consistent and complete snapshot. You may remount and use your volume while the snapshot status is `<code>pending</code>`.

To create a snapshot for EBS volumes that serve as root devices, you should stop the instance before taking the snapshot.

Snapshots that are taken from encrypted volumes are automatically encrypted. Volumes that are created from encrypted snapshots are also automatically encrypted. Your encrypted volumes and any associated snapshots always remain protected.


```
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreateSnapshotRequest",
  "variableName": "createSnapshotRequest",
  "variableType": "CreateSnapshotRequest",
  "documentation": "<p>Contains the parameters for CreateSnapshot.</p>",
  "simpleType": "CreateSnapshotRequest",
  "variableSetterType": "CreateSnapshotRequest"
},
"inputStreamPropertyName": null,
"methodName": "createSnapshot",
"operationName": "CreateSnapshot",
"returnType": {
  "returnType": "CreateSnapshotResult",
  "documentation": "A simple result wrapper around the Snapshot object that was sent over the wire."
},
"syncReturnType": "CreateSnapshotResult"
```

You can create one data feed per AWS account. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-data-feeds.html">Spot Instance Data Feed</a>` in the `<i>Amazon Elastic Compute Cloud User Guide</i>`.

```
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreateSpotDatafeedSubscriptionRequest",
  "variableName": "createSpotDatafeedSubscriptionRequest",
  "variableType": "CreateSpotDatafeedSubscriptionRequest",
  "documentation": "<p>Contains the parameters for CreateSpotDatafeedSubscription.</p>"
},
"asyncCallableType": "java.util.concurrent.Callable<CreateSpotDatafeedSubscriptionResult>",
"asyncFutureType": "java.util.concurrent.Future<CreateSpotDatafeedSubscriptionResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CreateSpotDatafeedSubscriptionRequest, CreateSpotDatafeedSubscriptionResult>",
"asyncReturnType": "CreateSpotDatafeedSubscriptionResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Creates a data feed for Spot instances, enabling you to view Spot instance usage logs. You can create one data feed per AWS account. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-data-feeds.html">Spot Instance Data Feed</a> in the `<i>Amazon Elastic Compute Cloud User Guide</i>`.</p>"
```
"simpleType" : "CreateSpotDatafeedSubscriptionRequest",
"variableSetterType" : "CreateSpotDatafeedSubscriptionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createSpotDatafeedSubscription",
"operationName" : "CreateSpotDatafeedSubscription",
"returnType" : {
"returnType" : "CreateSpotDatafeedSubscriptionResult",
"documentation" : "<p>Contains the output of CreateSpotDatafeedSubscription.</p>"
},
"syncReturnType" : "CreateSpotDatafeedSubscriptionResult"
},
"CreateSubnet" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateSubnetResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateSubnetResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateSubnetRequest, CreateSubnetResult>",
"asyncReturnObject" : "CreateSubnetResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a subnet in an existing VPC.</p> <p>When you create each subnet, you provide the VPC ID and the CIDR block you want for the subnet. After you create a subnet, you can't change its CIDR block. The subnet's IPv4 CIDR block can be the same as the VPC's IPv4 CIDR block (assuming you want only a single subnet in the VPC), or a subset of the VPC's IPv4 CIDR block. If you create more than one subnet in a VPC, the subnets' CIDR blocks must not overlap. The smallest IPv4 subnet (and VPC) you can create uses a /28 netmask (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses).</p> <p>If you've associated an IPv6 CIDR block with your VPC, you can create a subnet with an IPv6 CIDR block that uses a /64 prefix length.</p> <p>AWS reserves both the first four and the last IP address in each subnet's CIDR block. They're not available for use.</p> <p>If you add more than one subnet to a VPC, they're set up in a star topology with a logical router in the middle.</p> <p>If you launch an instance in a VPC using an Amazon EBS-backed AMI, the IP address doesn't change if you stop and restart the instance (unlike a similar instance launched outside a VPC, which gets a new IP address when restarted). It's therefore possible to have a subnet with no running instances (they're all stopped), but no remaining IP addresses available.</p> <p>For more information about subnets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateSubnetRequest",
"variableName" : "createSubnetRequest",
"variableType" : "CreateSubnetRequest",
"documentation" : "<p>Contains the parameters for CreateSubnet.</p>",
"simpleType" : "CreateSubnetRequest",
"variableSetterType" : "CreateSubnetRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createSubnet",
"operationName" : "CreateSubnet",
"returnType" : {
"returnType" : "CreateSubnetResult",
"documentation" : "<p>Contains the output of CreateSubnet.</p>"}
"returnType" : "CreateSubnetResult",
"documentation" : "<p>Contains the output of CreateSubnet.</p>"
},
"syncReturnType" : "CreateSubnetResult"
},
"CreateTags" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateTagsResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateTagsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateTagsRequest, CreateTagsResult>",
"asyncReturnType" : "CreateTagsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Adds or overwrites one or more tags for the specified Amazon EC2 resource or resources. Each resource can have a maximum of 50 tags. Each tag consists of a key and optional value. Tag keys must be unique per resource.</p>"<p>For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. For more information about creating IAM policies that control users' access to resources based on tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-supported-iam-actions-resources.html">Supported Resource-Level Permissions for Amazon EC2 API Actions</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateTagsRequest",
"variableName" : "createTagsRequest",
"variableType" : "CreateTagsRequest",
"documentation" : "<p>Contains the parameters for CreateTags.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "createTags",
"operationName" : "CreateTags",
"returnType" : {
"returnType" : "CreateTagsResult",
"documentation" : null
},
"syncReturnType" : "CreateTagsResult"
},
"CreateVolume" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateVolumeResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateVolumeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVolumeRequest, CreateVolumeResult>",
"asyncReturnType" : "CreateVolumeResult",
"authenticated" : true,
"deprecated" : false,
"documentation": "<p>Creates an EBS volume that can be attached to an instance in the same Availability Zone. The volume is created in the regional endpoint that you send the HTTP request to. For more information see <a href="http://docs.aws.amazon.com/general/latest/gr/rande.html">Regions and Endpoints</a>.</p> You can create a new empty volume or restore a volume from an EBS snapshot. Any AWS Marketplace product codes from the snapshot are propagated to the volume.</p> You can create encrypted volumes with the <code>Encrypted</code> parameter. Encrypted volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are also automatically encrypted. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-creating-volume.html">Creating or Restoring an Amazon EBS Volume</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "CreateVolumeRequest",
"variableName": "createVolumeRequest",
"variableType": "CreateVolumeRequest",
"documentation": "<p>Contains the parameters for CreateVolume.</p>",
"simpleType": "CreateVolumeRequest",
"variableSetterType": "CreateVolumeRequest"
},
"inputStreamPropertyName": null,
"methodName": "createVolume",
"operationName": "CreateVolume",
"returnType": {
"returnType": "CreateVolumeResult",
"documentation": "A simple result wrapper around the Volume object that was sent over the wire."
},
"syncReturnType": "CreateVolumeResult"
},
"CreateVpc": {
"asyncCallableType": "java.util.concurrent.Callable<CreateVpcResult>",
"asyncFutureType": "java.util.concurrent.Future<CreateVpcResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CreateVpcRequest, CreateVpcResult>",
"asyncReturnType": "CreateVpcResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Creates a VPC with the specified IPv4 CIDR block. The smallest VPC you can create uses a /28 netmask (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses). To help you decide how big to make your VPC, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p> You can optionally request an Amazon-provided IPv6 CIDR block for the VPC. The IPv6 CIDR block uses a /56 prefix length, and is allocated from Amazon's pool of IPv6 addresses. You cannot choose the IPv6 range for your VPC.</p> By default, each instance you launch in the VPC has the default DHCP options, which includes only a default DNS server that we provide (AmazonProvidedDNS). For more information about DHCP options, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p> You can specify the instance tenancy
value for the VPC when you create it. You can't change this value for the VPC after you create it. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-instance.html"&gt;Dedicated Instances &lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateVpcRequest",
"variableName" : "createVpcRequest",
"variableType" : "CreateVpcRequest",
"documentation" : "&lt;p&gt;Contains the parameters for CreateVpc.&lt;/p&gt;",
"simpleType" : "CreateVpcRequest",
"variableSetterType" : "CreateVpcRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createVpc",
"operationName" : "CreateVpc",
"returnType" : {
"returnType" : "CreateVpcResult",
"documentation" : "&lt;p&gt;Contains the output of CreateVpc.&lt;/p&gt;"
},
"syncReturnType" : "CreateVpcResult"
},
"CreateVpcEndpoint" : {
"asyncCallableType" : "java.util.concurrent.Callable&lt;CreateVpcEndpointResult&gt;",
"asyncFutureType" : "java.util.concurrent.Future&lt;CreateVpcEndpointResult&gt;",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler&lt;CreateVpcEndpointRequest, CreateVpcEndpointResult&gt;",
"asyncReturnType" : "CreateVpcEndpointResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "&lt;p&gt;Creates a VPC endpoint for a specified AWS service. An endpoint enables you to create a private connection between your VPC and another AWS service in your account. You can specify an endpoint policy to attach to the endpoint that will control access to the service from your VPC. You can also specify the VPC route tables that use the endpoint.&lt;/p&gt; &lt;p&gt;Use &lt;a href=&quot;DescribeVpcEndpointServices&quot; rel=&quot;external&quot;&gt;DescribeVpcEndpointServices&lt;/a&gt; to get a list of supported AWS services.&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateVpcEndpointRequest",
"variableName" : "createVpcEndpointRequest",
"variableType" : "CreateVpcEndpointRequest",
"documentation" : "&lt;p&gt;Contains the parameters for CreateVpcEndpoint.&lt;/p&gt;",
"simpleType" : "CreateVpcEndpointRequest",
"variableSetterType" : "CreateVpcEndpointRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createVpcEndpoint",
"operationName" : "CreateVpcEndpoint"
"returnType" : {
    "returnType" : "CreateVpcEndpointResult",
    "documentation" : "<p>Contains the output of CreateVpcEndpoint.</p>"
},
"syncReturnType" : "CreateVpcEndpointResult"
},
"CreateVpcPeeringConnection" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CreateVpcPeeringConnectionResult>",
    "asyncFutureType" : "java.util.concurrent.Future<CreateVpcPeeringConnectionResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVpcPeeringConnectionRequest, CreateVpcPeeringConnectionResult>",
    "asyncReturnType" : "CreateVpcPeeringConnectionResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Requests a VPC peering connection between two VPCs: a requester VPC that you own and a peer VPC with which to create the connection. The peer VPC can belong to another AWS account. The requester VPC and peer VPC cannot have overlapping CIDR blocks.</p> <p>The owner of the peer VPC must accept the peering request to activate the peering connection. The VPC peering connection request expires after 7 days, after which it cannot be accepted or rejected.</p> <p>A <code>CreateVpcPeeringConnection</code> request between VPCs with overlapping CIDR blocks results in the VPC peering connection having a status of <code>failed</code>.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "CreateVpcPeeringConnectionRequest",
        "variableName" : "createVpcPeeringConnectionRequest",
        "variableType" : "CreateVpcPeeringConnectionRequest",
        "documentation" : "<p>Contains the parameters for CreateVpcPeeringConnection.</p>",
        "simpleType" : "CreateVpcPeeringConnectionRequest",
        "variableSetterType" : "CreateVpcPeeringConnectionRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "createVpcPeeringConnection",
    "operationName" : "CreateVpcPeeringConnection",
    "returnType" : {
        "returnType" : "CreateVpcPeeringConnectionResult",
        "documentation" : "<p>Contains the output of CreateVpcPeeringConnection.</p>"
    },
    "syncReturnType" : "CreateVpcPeeringConnectionResult"
},
"CreateVpnConnection" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CreateVpnConnectionResult>",
    "asyncFutureType" : "java.util.concurrent.Future<CreateVpnConnectionResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVpnConnectionRequest, CreateVpnConnectionResult>",
    "asyncReturnType" : "CreateVpnConnectionResult",
    "authenticated" : true,
    "deprecated" : false,
"documentation" : "<p>Creates a VPN connection between an existing virtual private gateway and a VPN customer gateway. The only supported connection type is <code>ipsec.1</code>. The response includes information that you need to give to your network administrator to configure your customer gateway.</p>

<important> <p>We strongly recommend that you use HTTPS when calling this operation because the response contains sensitive cryptographic information for configuring your customer gateway.</p> </important> <p>If you decide to shut down your VPN connection for any reason and later create a new VPN connection, you must reconfigure your customer gateway with the new information returned from this call.</p>

<p>This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.</p>

For more information about VPN connections, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
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  "variableType" : "CreateVpnConnectionRequest",
  "documentation" : "<p>Contains the parameters for CreateVpnConnection.</p>

  "simpleType" : "CreateVpnConnectionRequest",
  "variableSetterType" : "CreateVpnConnectionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createVpnConnection",
"operationName" : "CreateVpnConnection",
"returnType" : {
  "returnType" : "CreateVpnConnectionResult",
  "documentation" : "<p>Contains the output of CreateVpnConnection.</p>

  "syncReturnType" : "CreateVpnConnectionResult"
},
"CreateVpnConnectionRoute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateVpnConnectionRouteResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateVpnConnectionRouteResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVpnConnectionRouteRequest, CreateVpnConnectionRouteResult>",
  "asyncReturnType" : "CreateVpnConnectionRouteResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p>

  For more information about VPN connections, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableType" : "CreateVpnConnectionRouteRequest",
"documentation" : "<p>Contains the parameters for CreateVpnConnectionRoute.</p>",
"simpleType" : "CreateVpnConnectionRouteRequest",
"variableSetterType" : "CreateVpnConnectionRouteRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createVpnConnectionRoute",
"operationName" : "CreateVpnConnectionRoute",
"returnType" : {
 "returnType" : "CreateVpnConnectionRouteResult",
 "documentation" : null
},
"syncReturnType" : "CreateVpnConnectionRouteResult"
},
"CreateVpnGateway" : {
 "asyncCallableType" : "java.util.concurrent.Callable<CreateVpnGatewayResult>",
 "asyncFutureType" : "java.util.concurrent.Future<CreateVpnGatewayResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVpnGatewayRequest, CreateVpnGatewayResult>",
 "asyncReturnType" : "CreateVpnGatewayResult",
 "authenticated" : true,
 "deprecated" : false,
 "documentation" : "<p>Creates a virtual private gateway. A virtual private gateway is the endpoint on the VPC side of your VPN connection. You can create a virtual private gateway before creating the VPC itself.</p> <p>For more information about virtual private gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
 "exceptions" : null,
 "hasBlobMemberAsPayload" : false,
 "input" : {
  "variableDeclarationType" : "CreateVpnGatewayRequest",
  "variableName" : "createVpnGatewayRequest",
  "variableType" : "CreateVpnGatewayRequest",
  "documentation" : "<p>Contains the parameters for CreateVpnGateway.</p>",
  "simpleType" : "CreateVpnGatewayRequest",
  "variableSetterType" : "CreateVpnGatewayRequest"
 },
 "inputStreamPropertyName" : null,
 "methodName" : "createVpnGateway",
 "operationName" : "CreateVpnGateway",
 "returnType" : {
  "returnType" : "CreateVpnGatewayResult",
  "documentation" : "<p>Contains the output of CreateVpnGateway.</p>",
},
 "sync ReturnType" : "CreateVpnGatewayResult"
},
"DeleteCustomerGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteCustomerGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteCustomerGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteCustomerGatewayRequest, DeleteCustomerGatewayResult>",
  "asyncReturnType" : "DeleteCustomerGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes a customer gateway associated with a VPN connection. This operation is required to terminate a VPN connection. After the connection is terminated, the customer gateway is deleted.</p> <p>When you delete a customer gateway, you must also delete the associated virtual private gateway. For more information about virtual private gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteCustomerGatewayRequest",
    "variableName" : "deleteCustomerGatewayRequest",
    "variableType" : "DeleteCustomerGatewayRequest",
    "documentation" : "<p>Contains the parameters for DeleteCustomerGateway.</p>",
    "simpleType" : "DeleteCustomerGatewayRequest",
    "variableSetterType" : "DeleteCustomerGatewayRequest"
  }
}
"asyncFutureType" : "java.util.concurrent.Future<DeleteCustomerGatewayResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteCustomerGatewayRequest,
DeleteCustomerGatewayResult>",
"asyncReturnType" : "DeleteCustomerGatewayResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified customer gateway. You must delete the VPN connection before you
can delete the customer gateway.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeleteCustomerGatewayRequest",
  "variableName" : "deleteCustomerGatewayRequest",
  "variableType" : "DeleteCustomerGatewayRequest",
  "documentation" : "<p>Contains the parameters for DeleteCustomerGateway.</p>",
  "simpleType" : "DeleteCustomerGatewayRequest",
  "variableSetterType" : "DeleteCustomerGatewayRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteCustomerGateway",
"operationName" : "DeleteCustomerGateway",
"returnType" : {
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  "documentation" : null
},
"syncReturnType" : "DeleteCustomerGatewayResult"

"DeleteDhcpOptions" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteDhcpOptionsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteDhcpOptionsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteDhcpOptionsRequest,
DeleteDhcpOptionsResult>",
  "asyncReturnType" : "DeleteDhcpOptionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified set of DHCP options. You must disassociate the set of DHCP
options before you can delete it. You can disassociate the set of DHCP options by associating either a new set of
options or the default set of options with the VPC.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableName" : "deleteDhcpOptionsRequest",
    "variableType" : "DeleteDhcpOptionsRequest",
    "documentation" : "<p>Contains the parameters for DeleteDhcpOptions.</p>",
    "simpleType" : "DeleteDhcpOptionsRequest",
    "variableSetterType" : "DeleteDhcpOptionsRequest"
  }
}
"inputStreamPropertyName" : null,
"methodName" : "deleteDhcpOptions",
"operationName" : "DeleteDhcpOptions",
"returnType" : {
    "returnType" : "DeleteDhcpOptionsResult",
    "documentation" : null
},
"syncReturnType" : "DeleteDhcpOptionsResult"
},
"DeleteEgressOnlyInternetGateway" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteEgressOnlyInternetGatewayResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteEgressOnlyInternetGatewayResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteEgressOnlyInternetGatewayRequest, DeleteEgressOnlyInternetGatewayResult>",
    "asyncReturn-type" : "DeleteEgressOnlyInternetGatewayResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes an egress-only Internet gateway.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DeleteEgressOnlyInternetGatewayRequest",
        "variableName" : "deleteEgressOnlyInternetGatewayRequest",
        "variableType" : "DeleteEgressOnlyInternetGatewayRequest",
        "documentation" : "",
        "simpleType" : "DeleteEgressOnlyInternetGatewayRequest",
        "variableSetterType" : "DeleteEgressOnlyInternetGatewayRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "deleteEgressOnlyInternetGateway",
    "operationName" : "DeleteEgressOnlyInternetGateway",
    "returnType" : {
        "returnType" : "DeleteEgressOnlyInternetGatewayResult",
        "documentation" : null
    },
    "syncReturnType" : "DeleteEgressOnlyInternetGatewayResult"
},
"DeleteFlowLogs" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteFlowLogsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteFlowLogsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteFlowLogsRequest, DeleteFlowLogsResult>",
    "asyncReturn-type" : "DeleteFlowLogsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes one or more flow logs.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DeleteFlowLogsRequest",
    "variableName" : "deleteFlowLogsRequest",
    "variableType" : "DeleteFlowLogsRequest",
    "documentation" : "<p>Contains the parameters for DeleteFlowLogs.</p>",
    "simpleType" : "DeleteFlowLogsRequest",
    "variableSetterType" : "DeleteFlowLogsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteFlowLogs",
"operationName" : "DeleteFlowLogs",
"returnType" : {
    "returnType" : "DeleteFlowLogsResult",
    "documentation" : "<p>Contains the output of DeleteFlowLogs.</p>",
},
"syncReturnType" : "DeleteFlowLogsResult"
},
"DeleteInternetGateway" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteInternetGatewayResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteInternetGatewayResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteInternetGatewayRequest,
DeleteInternetGatewayResult>",
    "asyncReturnResult" : "DeleteInternetGatewayResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes the specified Internet gateway. You must detach the Internet gateway from the VPC before you can delete it.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DeleteInternetGatewayRequest",
        "variableName" : "deleteInternetGatewayRequest",
        "variableType" : "DeleteInternetGatewayRequest",
        "documentation" : "<p>Contains the parameters for DeleteInternetGateway.</p>",
        "simpleType" : "DeleteInternetGatewayRequest",
        "variableSetterType" : "DeleteInternetGatewayRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "deleteInternetGateway",
    "operationName" : "DeleteInternetGateway",
    "returnType" : {
        "returnType" : "DeleteInternetGatewayResult",
        "documentation" : null
    },
    "syncReturnType" : "DeleteInternetGatewayResult"
},
"DeleteKeyPair" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteKeyPairResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteKeyPairResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteKeyPairRequest,
DeleteKeyPairResult>",
    "asyncReturnResult" : "DeleteKeyPairResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes the specified key pair.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DeleteKeyPairRequest",
        "variableName" : "deleteKeyPairRequest",
        "variableType" : "DeleteKeyPairRequest",
        "documentation" : "<p>Contains the parameters for DeleteKeyPair.</p>",
        "simpleType" : "DeleteKeyPairRequest",
        "variableSetterType" : "DeleteKeyPairRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "deleteKeyPair",
    "operationName" : "DeleteKeyPair",
    "returnType" : {
        "returnType" : "DeleteKeyPairResult",
        "documentation" : null
    },
    "syncReturnType" : "DeleteKeyPairResult"
"asyncFutureType" : "java.util.concurrent.Future<DeleteKeyPairResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteKeyPairRequest,
DeleteKeyPairResult>",
"asyncReturnType" : "DeleteKeyPairResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified key pair, by removing the public key from Amazon EC2.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeleteKeyPairRequest",
  "variableName" : "deleteKeyPairRequest",
  "variableType" : "DeleteKeyPairRequest",
  "documentation" : "<p>Contains the parameters for DeleteKeyPair.</p>",
  "simpleType" : "DeleteKeyPairRequest",
  "variableSetterType" : "DeleteKeyPairRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteKeyPair",
"operationName" : "DeleteKeyPair",
"returnType" : {
  "returnType" : "DeleteKeyPairResult",
  "documentation" : null
},
"syncReturnType" : "DeleteKeyPairResult"},
"DeleteNatGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteNatGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteNatGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNatGatewayRequest,
DeleteNatGatewayResult>",
  "asyncReturnType" : "DeleteNatGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified NAT gateway. Deleting a NAT gateway disassociates its Elastic IP
address, but does not release the address from your account. Deleting a NAT gateway does not delete any NAT
gateway routes in your route tables.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteNatGatewayRequest",
    "variableName" : "deleteNatGatewayRequest",
    "variableType" : "DeleteNatGatewayRequest",
    "documentation" : "<p>Contains the parameters for DeleteNatGateway.</p>",
    "simpleType" : "DeleteNatGatewayRequest",
    "variableSetterType" : "DeleteNatGatewayRequest"
  },
  "inputStreamPropertyName" : null,
"methodName" : "deleteNatGateway",
"operationName" : "DeleteNatGateway",
"returnType" : {
  "returnType" : "DeleteNatGatewayResult",
  "documentation" : "<p>Contains the output of DeleteNatGateway.\</p>"
},
"syncReturnType" : "DeleteNatGatewayResult"
},
"DeleteNetworkAcl" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteNetworkAclResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteNetworkAclResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNetworkAclRequest, DeleteNetworkAclResult>",
  "asyncReturnType" : "DeleteNetworkAclResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified network ACL. You can't delete the ACL if it's associated with any subnets. You can't delete the default network ACL.\</p>"
},
"DeleteNetworkAclEntry" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteNetworkAclEntryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteNetworkAclEntryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNetworkAclEntryRequest, DeleteNetworkAclEntryResult>",
  "asyncReturnType" : "DeleteNetworkAclEntryResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified ingress or egress entry (rule) from the specified network ACL.\</p>"
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeleteNetworkAclRequest",
  "variableName" : "deleteNetworkAclRequest",
  "variableType" : "DeleteNetworkAclRequest",
  "documentation" : "<p>Contains the parameters for DeleteNetworkAcl.\</p>",
  "simpleType" : "DeleteNetworkAclRequest",
  "variableSetterType" : "DeleteNetworkAclRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteNetworkAcl",
"operationName" : "DeleteNetworkAcl",
"returnType" : {
  "returnType" : "DeleteNetworkAclResult",
  "documentation" : null
},
"syncReturnType" : "DeleteNetworkAclResult"
},
"DeleteNetworkAclEntry" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteNetworkAclEntryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteNetworkAclEntryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNetworkAclEntryRequest, DeleteNetworkAclEntryResult>",
  "asyncReturnType" : "DeleteNetworkAclEntryResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified ingress or egress entry (rule) from the specified network ACL.\</p>"
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DeleteNetworkAclEntryRequest",
    "variableName" : "deleteNetworkAclEntryRequest",
    "variableType" : "DeleteNetworkAclEntryRequest",
    "documentation" : "<p>Contains the parameters for DeleteNetworkAclEntry.</p>",
    "simpleType" : "DeleteNetworkAclEntryRequest",
    "variableSetterType" : "DeleteNetworkAclEntryRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteNetworkAclEntry",
"operationName" : "DeleteNetworkAclEntry",
"returnType" : {
    "returnType" : "DeleteNetworkAclEntryResult",
    "documentation" : null
},
"syncReturnType" : "DeleteNetworkAclEntryResult"
},
"DeleteNetworkInterface" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteNetworkInterfaceResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteNetworkInterfaceResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNetworkInterfaceRequest,
DeleteNetworkInterfaceResult>",
    "asyncReturnReturn" : "DeleteNetworkInterfaceResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes the specified network interface. You must detach the network interface before
you can delete it.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DeleteNetworkInterfaceRequest",
        "variableName" : "deleteNetworkInterfaceRequest",
        "variableType" : "DeleteNetworkInterfaceRequest",
        "documentation" : "<p>Contains the parameters for DeleteNetworkInterface.</p>",
        "simpleType" : "DeleteNetworkInterfaceRequest",
        "variableSetterType" : "DeleteNetworkInterfaceRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "deleteNetworkInterface",
    "operationName" : "DeleteNetworkInterface",
    "returnType" : {
        "returnType" : "DeleteNetworkInterfaceResult",
        "documentation" : null
    },
    "syncReturnType" : "DeleteNetworkInterfaceResult"
},
"DeletePlacementGroup" : {
"asyncCallableType" : "java.util.concurrent.Callable<DeletePlacementGroupResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeletePlacementGroupResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeletePlacementGroupRequest,
DeletePlacementGroupResult>",
"asyncReturnType" : "DeletePlacementGroupResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified placement group. You must terminate all instances in the placement
group before you can delete the placement group. For more information about placement groups and cluster
Instances</a> in the Amazon Elastic Compute Cloud User Guide</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeletePlacementGroupRequest",
  "variableName" : "deletePlacementGroupRequest",
  "variableType" : "DeletePlacementGroupRequest",
  "documentation" : "<p>Contains the parameters for DeletePlacementGroup.</p>",
  "simpleType" : "DeletePlacementGroupRequest",
  "variableSetterType" : "DeletePlacementGroupRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deletePlacementGroup",
"operationName" : "DeletePlacementGroup",
"returnType" : {
  "returnType" : "DeletePlacementGroupResult",
  "documentation" : null
},
"syncReturnType" : "DeletePlacementGroupResult"
},
"DeleteRoute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteRouteResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteRouteResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteRouteRequest, DeleteRouteResult>",
  "asyncReturnType" : "DeleteRouteResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified route from the specified route table.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteRouteRequest",
    "variableName" : "deleteRouteRequest",
    "variableType" : "DeleteRouteRequest",
    "documentation" : "<p>Contains the parameters for DeleteRoute.</p>",
    "simpleType" : "DeleteRouteRequest",
    "variableSetterType" : "DeleteRouteRequest"
  }
}
},
"inputStreamPropertyName" : null,
"methodName" : "deleteRoute",
"operationName" : "DeleteRoute",
"returnType" : {
  "returnType" : "DeleteRouteResult",
  "documentation" : null
},
"syncReturnType" : "DeleteRouteResult"
},
"DeleteRouteTable" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteRouteTableResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteRouteTableResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteRouteTableRequest, DeleteRouteTableResult>",
  "asyncReturnType" : "DeleteRouteTableResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified route table. You must disassociate the route table from any subnets before you can delete it. You can't delete the main route table.&lt;/p&gt;",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteRouteTableRequest",
    "variableName" : "deleteRouteTableRequest",
    "variableType" : "DeleteRouteTableRequest",
    "documentation" : "<p>Contains the parameters for DeleteRouteTable.</p>",
    "simpleType" : "DeleteRouteTableRequest",
    "variableSetterType" : "DeleteRouteTableRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "deleteRouteTable",
  "operationName" : "DeleteRouteTable",
  "returnType" : {
    "returnType" : "DeleteRouteTableResult",
    "documentation" : null
  },
  "syncReturnType" : "DeleteRouteTableResult"
},
"DeleteSecurityGroup" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteSecurityGroupResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteSecurityGroupResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteSecurityGroupRequest, DeleteSecurityGroupResult>",
  "asyncReturnType" : "DeleteSecurityGroupResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes a security group.&lt;/p&gt; <p>If you attempt to delete a security group that is
associated with an instance, or is referenced by another security group, the operation fails with
<code>InvalidGroup.InUse</code> in EC2-Classic or <code>DependencyViolation</code> in EC2-VPC.</p>

```
"exceptions":null,
"hasBlobMemberAsPayload":false,
"input":{
  "variableDeclarationType":"DeleteSecurityGroupRequest",
  "variableName":"deleteSecurityGroupRequest",
  "variableType":"DeleteSecurityGroupRequest",
  "documentation":"<p>Contains the parameters for DeleteSecurityGroup.</p>",
  "simpleType":"DeleteSecurityGroupRequest",
  "variableSetterType":"DeleteSecurityGroupRequest"
},
"inputStreamPropertyName":null,
"methodName":"deleteSecurityGroup",
"operationName":"DeleteSecurityGroup",
"returnType":{
  "returnType":"DeleteSecurityGroupResult",
  "documentation":null
},
"syncReturnType":"DeleteSecurityGroupResult"
}

"DeleteSnapshot":{
  "asyncCallableType":"java.util.concurrent.Callable<DeleteSnapshotResult>",
  "asyncFutureType":"java.util.concurrent.Future<DeleteSnapshotResult>",
  "asyncHandlerType":"com.amazonaws.handlers.AsyncHandler<DeleteSnapshotRequest,
DeleteSnapshotResult>",
  "asyncReturnType":"DeleteSnapshotResult",
  "authenticated":true,
  "deprecated":false,
  "documentation":"<p>Deletes the specified snapshot.</p>
<p>When you make periodic snapshots of a volume, the snapshots are incremental, and only the blocks on the device that have changed since your last snapshot are saved in the new snapshot. When you delete a snapshot, only the data not needed for any other snapshot is removed. So regardless of which prior snapshots have been deleted, all active snapshots will have access to all the information needed to restore the volume.</p>
<p>You cannot delete a snapshot of the root device of an EBS volume used by a registered AMI. You must first de-register the AMI before you can delete the snapshot.</p>
"exceptions":null,
"hasBlobMemberAsPayload":false,
"input":{
  "variableDeclarationType":"DeleteSnapshotRequest",
  "variableName":"deleteSnapshotRequest",
  "variableType":"DeleteSnapshotRequest",
  "documentation":"<p>Contains the parameters for DeleteSnapshot.</p>",
  "simpleType":"DeleteSnapshotRequest",
  "variableSetterType":"DeleteSnapshotRequest"
}
```
"inputStreamPropertyName" : null,
"methodName" : "deleteSnapshot",
"operationName" : "DeleteSnapshot",
"returnType" : {
    "returnType" : "DeleteSnapshotResult",
    "documentation" : null
},
"syncReturnType" : "DeleteSnapshotResult"
},
"DeleteSpotDatafeedSubscription" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteSpotDatafeedSubscriptionResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteSpotDatafeedSubscriptionResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteSpotDatafeedSubscriptionRequest, DeleteSpotDatafeedSubscriptionResult>",
    "asyncReturnType" : "DeleteSpotDatafeedSubscriptionResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes the data feed for Spot instances.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DeleteSpotDatafeedSubscriptionRequest",
        "variableName" : "deleteSpotDatafeedSubscriptionRequest",
        "variableType" : "DeleteSpotDatafeedSubscriptionRequest",
        "documentation" : "<p>Contains the parameters for DeleteSpotDatafeedSubscription.</p>",
        "simpleType" : "DeleteSpotDatafeedSubscriptionRequest",
        "variableSetterType" : "DeleteSpotDatafeedSubscriptionRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "deleteSpotDatafeedSubscription",
    "operationName" : "DeleteSpotDatafeedSubscription",
    "returnType" : {
        "returnType" : "DeleteSpotDatafeedSubscriptionResult",
        "documentation" : null
    },
    "syncReturnType" : "DeleteSpotDatafeedSubscriptionResult"
},
"DeleteSubnet" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteSubnetResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteSubnetResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteSubnetRequest, DeleteSubnetResult>",
    "asyncReturnType" : "DeleteSubnetResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes the specified subnet. You must terminate all running instances in the subnet before you can delete the subnet.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeleteSubnetRequest",
  "variableName" : "deleteSubnetRequest",
  "variableType" : "DeleteSubnetRequest",
  "documentation" : "<p>Contains the parameters for DeleteSubnet.</p>",
  "simpleType" : "DeleteSubnetRequest",
  "variableSetterType" : "DeleteSubnetRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteSubnet",
"operationName" : "DeleteSubnet",
"returnType" : {
  "returnType" : "DeleteSubnetResult",
  "documentation" : null
},
"syncReturnType" : "DeleteSubnetResult"
},
"DeleteTags" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteTagsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteTagsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteTagsRequest, DeleteTagsResult>",
  "asyncReturnType" : "DeleteTagsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified set of tags from the specified set of resources. This call is designed to follow a <code>DescribeTags</code> request.</p> <p>For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteTagsRequest",
    "variableName" : "deleteTagsRequest",
    "variableType" : "DeleteTagsRequest",
    "documentation" : "<p>Contains the parameters for DeleteTags.</p>",
    "simpleType" : "DeleteTagsRequest",
    "variableSetterType" : "DeleteTagsRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "deleteTags",
  "operationName" : "DeleteTags",
  "returnType" : {
    "returnType" : "DeleteTagsResult",
    "documentation" : null
  },
  "syncReturnType" : "DeleteTagsResult"
}
"asyncCallableType" : "java.util.concurrent.Callable<DeleteVolumeResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeleteVolumeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVolumeRequest, DeleteVolumeResult>",
"asyncReturnType" : "DeleteVolumeResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified EBS volume. The volume must be in the <code>available</code> state (not attached to an instance).</p> <note> <p>The volume may remain in the <code>deleting</code> state for several minutes.</p> </note> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-deleting-volume.html">Deleting an Amazon EBS Volume</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
   "variableDeclarationType" : "DeleteVolumeRequest",
   "variableName" : "deleteVolumeRequest",
   "variableType" : "DeleteVolumeRequest",
   "documentation" : "<p>Contains the parameters for DeleteVolume.</p>",
   "simpleType" : "DeleteVolumeRequest",
   "variableSetterType" : "DeleteVolumeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteVolume",
"operationName" : "DeleteVolume",
"returnType" : {
   "returnType" : "DeleteVolumeResult",
   "documentation" : null
},
"syncReturnType" : "DeleteVolumeResult"
},
"DeleteVpc" : {
   "asyncCallableType" : "java.util.concurrent.Callable<DeleteVpcResult>",
   "asyncFutureType" : "java.util.concurrent.Future<DeleteVpcResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVpcRequest, DeleteVpcResult>",
   "asyncReturnType" : "DeleteVpcResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Deletes the specified VPC. You must detach or delete all gateways and resources that are associated with the VPC before you can delete it. For example, you must terminate all instances running in the VPC, delete all security groups associated with the VPC (except the default one), delete all route tables associated with the VPC (except the default one), and so on.</p>",
   "exceptions" : null,
   "hasBlobMemberAsPayload" : false,
   "input" : {
      "variableDeclarationType" : "DeleteVpcRequest",
      "variableName" : "deleteVpcRequest",
      "variableType" : "DeleteVpcRequest",
      "documentation" : null
   }
}
Contains the parameters for DeleteVpc.

Contains the parameters for DeleteVpcEndpoints.

Deletes one or more specified VPC endpoints. Deleting the endpoint also deletes the endpoint routes in the route tables that were associated with the endpoint.

Contains the output of DeleteVpcEndpoints.
"authenticated" : true,
"deprecated" : false,
"documentation" : "<pDeletes a VPC peering connection. Either the owner of the requester VPC or the owner of the peer VPC can delete the VPC peering connection if it's in the <code>active</code> state. The owner of the requester VPC can delete a VPC peering connection in the <code>pending-acceptance</code> state. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DeleteVpcPeeringConnectionRequest",
    "variableName" : "deleteVpcPeeringConnectionRequest",
    "variableType" : "DeleteVpcPeeringConnectionRequest",
    "documentation" : "<p>Contains the parameters for DeleteVpcPeeringConnection.</p>",
    "simpleType" : "DeleteVpcPeeringConnectionRequest",
    "variableSetterType" : "DeleteVpcPeeringConnectionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteVpcPeeringConnection",
"operationName" : "DeleteVpcPeeringConnection",
"returnType" : {
    "returnType" : "DeleteVpcPeeringConnectionResult",
    "documentation" : "<p>Contains the output of DeleteVpcPeeringConnection.</p>",
    "syncReturnType" : "DeleteVpcPeeringConnectionResult",
    "DeleteVpnConnection" : {
        "asyncCallableType" : "java.util.concurrent.Callable<DeleteVpnConnectionResult>",
        "asyncFutureType" : "java.util.concurrent.Future<DeleteVpnConnectionResult>",
        "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVpnConnectionRequest, DeleteVpnConnectionResult>",
        "asyncReturnType" : "DeleteVpnConnectionResult",
        "authenticated" : true,
        "deprecated" : false,
        "documentation" : "<p>Deletes the specified VPN connection.</p> <p>If you're deleting the VPC and its associated components, we recommend that you detach the virtual private gateway from the VPC and delete the VPC before deleting the VPN connection. If you believe that the tunnel credentials for your VPN connection have been compromised, you can delete the VPN connection and create a new one that has new keys, without needing to delete the VPC or virtual private gateway. If you create a new VPN connection, you must reconfigure the customer gateway using the new configuration information returned with the new VPN connection ID.</p>",
        "exceptions" : null,
        "hasBlobMemberAsPayload" : false,
        "input" : {
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            "documentation" : "<p>Contains the parameters for DeleteVpnConnection.</p>",
            "simpleType" : "DeleteVpnConnectionRequest",
            "variableSetterType" : "DeleteVpnConnectionRequest"
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    }
}
"inputStreamPropertyName" : null,
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"operationName" : "DeleteVpnConnection",
"returnType" : {
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  "documentation" : null
},
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},
"DeleteVpnConnectionRoute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteVpnConnectionRouteResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteVpnConnectionRouteResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVpnConnectionRouteRequest, DeleteVpnConnectionRouteResult>",
  "asyncReturnResult" : "DeleteVpnConnectionRouteResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "simpleType" : "DeleteVpnConnectionRouteRequest",
    "variableSetterType" : "DeleteVpnConnectionRouteRequest"
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  "operationName" : "DeleteVpnConnectionRoute",
  "returnType" : {
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    "documentation" : null
  },
  "syncReturnType" : "DeleteVpnConnectionRouteResult"
},
"DeleteVpnGateway" : {
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  "asyncFutureType" : "java.util.concurrent.Future<DeleteVpnGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVpnGatewayRequest, DeleteVpnGatewayResult>",
  "asyncReturnResult" : "DeleteVpnGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified virtual private gateway. We recommend that before you delete a
virtual private gateway, you detach it from the VPC and delete the VPN connection. Note that you don't need to delete the virtual private gateway if you plan to delete and recreate the VPN connection between your VPC and your network.

```json

"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
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  "variableSetterType": "DeleteVpnGatewayRequest"
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  "documentation": null
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"syncReturnType": "DeleteVpnGatewayResult"
}

"DeregisterImage": {
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  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DeregisterImageRequest, DeregisterImageResult>",
  "asyncReturn-type": "DeregisterImageResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deregisters the specified AMI. After you deregister an AMI, it can't be used to launch new instances.</p>
  <p>This command does not delete the AMI.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
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    "documentation": "<p>Contains the parameters for DeregisterImage.</p>",
    "simpleType": "DeregisterImageRequest",
    "variableSetterType": "DeregisterImageRequest"
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  "inputStreamPropertyName": null,
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  "operationName": "DeregisterImage",
  "returnType": {
    "returnType": "DeregisterImageResult",
    "documentation": null
  }
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"DescribeAccountAttributes" : {
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    "asyncFutureType" : "java.util.concurrent.Future<DescribeAccountAttributesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeAccountAttributesRequest,
    DescribeAccountAttributesResult>",
    "asyncReturnType" : "DescribeAccountAttributesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes attributes of your AWS account. The following are the supported account attributes:</p> <ul> <li> <p> <code>supported-platforms</code>: Indicates whether your account can launch instances into EC2-Classic and EC2-VPC, or only into EC2-VPC.</p> </li> <li> <p> <code>default-vpc</code>: The ID of the default VPC for your account, or <code>none</code>.</p> </li> <li> <p> <code>max-instances</code>: The maximum number of On-Demand instances that you can run.</p> </li> <li> <p> <code>vpc-max-security-groups-per-interface</code>: The maximum number of security groups that you can assign to a network interface.</p> </li> <li> <p> <code>max-elastic-ips</code>: The maximum number of Elastic IP addresses that you can allocate for use with EC2-Classic.</p> </li> <li> <p> <code>vpc-max-elastic-ips</code>: The maximum number of Elastic IP addresses that you can allocate for use with EC2-VPC.</p> </li> </ul>
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableSetterType" : "DescribeAccountAttributesRequest"
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    "operationName" : "DescribeAccountAttributes",
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        "documentation" : "<p>Contains the output of DescribeAccountAttributes.</p>"
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    "syncReturnType" : "DescribeAccountAttributesResult"
},
"DescribeAddresses" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeAddressesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeAddressesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeAddressesRequest,
    DescribeAddressesResult>",
    "asyncReturnType" : "DescribeAddressesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your Elastic IP addresses.</p> <p>An Elastic IP address is for
use in either the EC2-Classic platform or in a VPC. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the Amazon Elastic Compute Cloud User Guide.</p>

exceptions" : null,
"hasBlobMemberAsPayload" : false,
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  "simpleType" : "DescribeAddressesRequest",
  "variableSetterType" : "DescribeAddressesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeAddresses",
"operationName" : "DescribeAddresses",
"returnType" : {
  "returnType" : "DescribeAddressesResult",
  "documentation" : "<p>Contains the output of DescribeAddresses.</p>",
  "syncReturnType" : "DescribeAddressesResult"
},
"DescribeAvailabilityZones" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeAvailabilityZonesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeAvailabilityZonesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeAvailabilityZonesRequest, DescribeAvailabilityZonesResult>",
  "asyncReturnType" : "DescribeAvailabilityZonesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of the Availability Zones that are available to you. The results include zones only for the region you're currently using. If there is an event impacting an Availability Zone, you can use this request to view the state and any provided message for that Availability Zone.</p>
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "documentation" : "<p>Contains the parameters for DescribeAvailabilityZones.</p>",
    "simpleType" : "DescribeAvailabilityZonesRequest",
    "variableSetterType" : "DescribeAvailabilityZonesRequest"
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  "inputStreamPropertyName" : null,
  "methodName" : "describeAvailabilityZones",
  "operationName" : "DescribeAvailabilityZones"
"returnType" : {
    "returnType" : "DescribeAvailabilityZonesResult",
    "documentation" : "<p>Contains the output of DescribeAvailabilityZones.</p>"
},
"syncReturnType" : "DescribeAvailabilityZonesResult"
},
"DescribeBundleTasks" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeBundleTasksResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeBundleTasksResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeBundleTasksRequest,
DescribeBundleTasksResult>",
    "asyncReturnType" : "DescribeBundleTasksResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your bundling tasks.</p> <note> <p>Completed bundle tasks are listed for only a limited time. If your bundle task is no longer in the list, you can still register an AMI from it. Just use <code>RegisterImage</code> with the Amazon S3 bucket name and image manifest name you provided to the bundle task.</p> </note>",
"exceptions" : null,
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    "variableSetterType" : "DescribeBundleTasksRequest"
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"inputStreamPropertyName" : null,
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"operationName" : "DescribeBundleTasks",
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    "documentation" : "<p>Contains the output of DescribeBundleTasks.</p>"
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"syncReturnType" : "DescribeBundleTasksResult"
},
"DescribeClassicLinkInstances" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeClassicLinkInstancesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeClassicLinkInstancesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeClassicLinkInstancesRequest,
DescribeClassicLinkInstancesResult>",
    "asyncReturnType" : "DescribeClassicLinkInstancesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your linked EC2-Classic instances. This request only returns information about EC2-Classic instances linked to a VPC through ClassicLink; you cannot use this request to return information about other instances.</p>"
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeClassicLinkInstancesRequest",
  "variableName" : "describeClassicLinkInstancesRequest",
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  "documentation" : "<p>Contains the parameters for DescribeClassicLinkInstances.</p>",
  "simpleType" : "DescribeClassicLinkInstancesRequest",
  "variableSetterType" : "DescribeClassicLinkInstancesRequest"
},
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"methodName" : "describeClassicLinkInstances",
"operationName" : "DescribeClassicLinkInstances",
"returnType" : {
  "returnType" : "DescribeClassicLinkInstancesResult",
  "documentation" : "<p>Contains the output of DescribeClassicLinkInstances.</p>"
},
"syncReturnType" : "DescribeClassicLinkInstancesResult"
},
"DescribeConversionTasks" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeConversionTasksResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeConversionTasksResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeConversionTasksRequest, DescribeConversionTasksResult>",
  "asyncReturnType" : "DescribeConversionTasksResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your conversion tasks. For more information, see the <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/">VM Import/Export User Guide</a>.<p> For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
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  "variableType" : "DescribeConversionTasksRequest",
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  "simpleType" : "DescribeConversionTasksRequest",
  "variableSetterType" : "DescribeConversionTasksRequest"
},
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  "returnType" : "DescribeConversionTasksResult",
  "documentation" : "<p>Contains the output for DescribeConversionTasks.</p>"
"DescribeCustomerGateways" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeCustomerGatewaysResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeCustomerGatewaysResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeCustomerGatewaysRequest,
  DescribeCustomerGatewaysResult>",
  "asyncReturnType" : "DescribeCustomerGatewaysResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPN customer gateways.</p>
  <p>For more information about VPN customer gateways, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html"&gt;Adding a Hardware Virtual Private Gateway to Your VPC&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableType" : "DescribeCustomerGatewaysRequest",
    "documentation" : "<p>Contains the parameters for DescribeCustomerGateways.</p>"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeCustomerGateways",
  "operationName" : "DescribeCustomerGateways",
  "returnType" : {
    "returnType" : "DescribeCustomerGatewaysResult",
    "documentation" : "<p>Contains the output of DescribeCustomerGateways.</p>"
  },
  "syncReturnType" : "DescribeCustomerGatewaysResult"
},

"DescribeDhcpOptions" : {
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeDhcpOptionsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeDhcpOptionsRequest,
  DescribeDhcpOptionsResult>",
  "asyncReturnType" : "DescribeDhcpOptionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your DHCP options sets.</p>
  <p>For more information about DHCP options sets, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html"&gt;DHCP Options Sets&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
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  "variableType": "DescribeDhcpOptionsRequest",
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  "simpleType": "DescribeDhcpOptionsRequest",
  "variableSetterType": "DescribeDhcpOptionsRequest"
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"inputStreamPropertyName": null,
"methodName": "describeDhcpOptions",
"operationName": "DescribeDhcpOptions",
"returnType": {
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  "documentation": "<p>Contains the output of DescribeDhcpOptions.</p>",
  "syncReturn": "DescribeDhcpOptionsResult"
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"DescribeEgressOnlyInternetGateways": {
  "asyncCallable": "java.util.concurrent.Callable<DescribeEgressOnlyInternetGatewaysResult>",
  "asyncFuture": "java.util.concurrent.Future<DescribeEgressOnlyInternetGatewaysResult>",
  "asyncHandler": "com.amazonaws.handlers.AsyncHandler<DescribeEgressOnlyInternetGatewaysRequest,
DescribeEgressOnlyInternetGatewaysResult>",
  "asyncReturn": "DescribeEgressOnlyInternetGatewaysResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Describes one or more of your egress-only Internet gateways.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
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    "variableType": "DescribeEgressOnlyInternetGatewaysRequest",
    "documentation": "",
    "simpleType": "DescribeEgressOnlyInternetGatewaysRequest",
    "variableSetterType": "DescribeEgressOnlyInternetGatewaysRequest"
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  "operationName": "DescribeEgressOnlyInternetGateways",
  "returnType": {
    "returnType": "DescribeEgressOnlyInternetGatewaysResult",
    "documentation": null
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  "syncReturn": "DescribeEgressOnlyInternetGatewaysResult"
},
"DescribeExportTasks": {
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  "asyncFuture": "java.util.concurrent.Future<DescribeExportTasksResult>",
  "asyncHandler": "com.amazonaws.handlers.AsyncHandler<DescribeExportTasksRequest,
DescribeExportTasksResult>",
  "asyncReturn": "DescribeExportTasksResult",
  "authenticated": false,
  "deprecated": false,
  "documentation": "",
  "exceptions": null,
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    "variableSetterType": "DescribeExportTasksRequest"
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  "inputStreamPropertyName": null,
  "methodName": "describeExportTasks",
  "operationName": "DescribeExportTasks",
  "returnType": {
    "returnType": "DescribeExportTasksResult",
    "documentation": null
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  "syncReturn": "DescribeExportTasksResult"
}
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"asyncReturnType" : "DescribeExportTasksResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of your export tasks.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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  "documentation" : "<p>Contains the parameters for DescribeExportTasks.</p>",
  "simpleType" : "DescribeExportTasksRequest",
  "variableSetterType" : "DescribeExportTasksRequest"
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"operationName" : "DescribeExportTasks",
"returnType" : {
  "returnType" : "DescribeExportTasksResult",
  "documentation" : "<p>Contains the output for DescribeExportTasks.</p>",
  "syncReturnType" : "DescribeExportTasksResult"
},
"DescribeFlowLogs" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeFlowLogsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeFlowLogsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeFlowLogsRequest, DescribeFlowLogsResult>",
  "asyncReturnType" : "DescribeFlowLogsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more flow logs. To view the information in your flow logs (the log streams for the network interfaces), you must use the CloudWatch Logs console or the CloudWatch Logs API.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
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    "variableSetterType" : "DescribeFlowLogsRequest"
  },
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"operationName": "DescribeFlowLogs",
"returnType": {
  "returnType": "DescribeFlowLogsResult",
  "documentation": "<p>Contains the output of DescribeFlowLogs.</p>",
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"syncReturnType": "DescribeFlowLogsResult"
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"DescribeHostReservationOfferings": {
  "asyncCallableType": "java.util.concurrent.Callable<DescribeHostReservationOfferingsResult>",
  "asyncFutureType": "java.util.concurrent.Future<DescribeHostReservationOfferingsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeHostReservationOfferingsRequest, DescribeHostReservationOfferingsResult>",
  "asyncReturnType": "DescribeHostReservationOfferingsResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Describes the Dedicated Host Reservations that are available to purchase.</p> <p>The results describe all the Dedicated Host Reservation offerings, including offerings that may not match the instance family and region of your Dedicated Hosts. When purchasing an offering, ensure that the the instance family and region of the offering matches that of the Dedicated Host/s it will be associated with. For an overview of supported instance types, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-hosts-overview.html">Dedicated Hosts Overview</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
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    "variableSetterType": "DescribeHostReservationOfferingsRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "describeHostReservationOfferings",
  "operationName": "DescribeHostReservationOfferings",
  "returnType": {
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    "documentation": null
  },
  "syncReturnType": "DescribeHostReservationOfferingsResult"
},
"DescribeHostReservations": {
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  "asyncFutureType": "java.util.concurrent.Future<DescribeHostReservationsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeHostReservationsRequest, DescribeHostReservationsResult>",
  "asyncReturnType": "DescribeHostReservationsResult",
  "authenticated": true,
  "deprecated": false,
"documentation": "Describes Dedicated Host Reservations which are associated with Dedicated Hosts in your account. ",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
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    "documentation": "",
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"inputStreamPropertyName": null,
"methodName": "describeHostReservations",
"operationName": "DescribeHostReservations",
"returnType": {
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    "documentation": null
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"syncReturnType": "DescribeHostReservationsResult"
},
"DescribeHosts": {
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},
"asyncFutureType": "java.util.concurrent.Future<DescribeHostsResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeHostsRequest, DescribeHostsResult>"
"asyncReturnType": "DescribeHostsResult",
"authenticated": true,
"deprecated": false,
"documentation": "Describes one or more of your Dedicated Hosts. The results describe only the Dedicated Hosts in the region you're currently using. All listed instances consume capacity on your Dedicated Host. Dedicated Hosts that have recently been released will be listed with the state "released". ",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
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    "variableName": "describeHostsRequest",
    "variableType": "DescribeHostsRequest",
    "documentation": "Contains the parameters for DescribeHosts. ",
    "simpleType": "DescribeHostsRequest",
    "variableSetterType": "DescribeHostsRequest"
},
"inputStreamPropertyName": null,
"methodName": "describeHosts",
"operationName": "DescribeHosts",
"returnType": {
    "returnType": "DescribeHostsResult",
    "documentation": "Contains the output of DescribeHosts."
}
...
The `describeIdFormat` command for the resource type.\n
```java
"input": {
    "variableDeclarationType": "DescribeIdFormatRequest",
    "variableName": "describeIdFormatRequest",
    "variableType": "DescribeIdFormatRequest",
    "documentation": "Contains the parameters for DescribeIdFormat.\n",
    "simpleType": "DescribeIdFormatRequest",
    "variableSetterType": "DescribeIdFormatRequest"
},
"inputStreamPropertyName": null,
"methodName": "describeIdFormat",
"operationName": "DescribeIdFormat",
"returnType": {
    "returnType": "DescribeIdFormatResult",
    "documentation": "Contains the output of DescribeIdFormat.\n"
},
"syncReturnType": "DescribeIdFormatResult"
}
```

The `describeIdentityIdFormat` command provides information about resource types whose ID formats can be modified; it does not return information about other resource types. For more information, see the Amazon Elastic Compute Cloud User Guide.\n
```java
"asyncCallableType": "java.util.concurrent.Callable<DescribeIdentityIdFormatResult>",
"asyncFutureType": "java.util.concurrent.Future<DescribeIdentityIdFormatResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeIdentityIdFormatRequest, DescribeIdentityIdFormatResult>",
"asyncReturnType": "DescribeIdentityIdFormatResult",
"authenticated": true,
"deprecated": false,
"documentation": "Describes the ID format settings for resources for the specified IAM user, IAM role, or root user. For example, you can view the resource types that are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the Amazon Elastic Compute Cloud User Guide.\n
The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.\n
These settings apply to the principal specified in the request. They do not apply to the principal that makes the request.\n
```
```
```
```
```
```
```
"methodName" : "describeIdentityIdFormat",
"operationName" : "DescribeIdentityIdFormat",
"returnType" : {
  "returnType" : "DescribeIdentityIdFormatResult",
  "documentation" : "<p>Contains the output of DescribeIdentityIdFormat.</p>",
},
"syncReturnType" : "DescribeIdentityIdFormatResult"
},
"DescribeImageAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeImageAttributeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeImageAttributeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeImageAttributeRequest, DescribeImageAttributeResult>",
  "asyncReturnType" : "DescribeImageAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the specified attribute of the specified AMI. You can specify only one attribute at a time.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeImageAttributeRequest",
    "variableName" : "describeImageAttributeRequest",
    "variableType" : "DescribeImageAttributeRequest",
    "documentation" : "<p>Contains the parameters for DescribeImageAttribute.</p>",
    "simpleType" : "DescribeImageAttributeRequest",
    "variableSetterType" : "DescribeImageAttributeRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeImageAttribute",
  "operationName" : "DescribeImageAttribute",
  "returnType" : {
    "returnType" : "DescribeImageAttributeResult",
    "documentation" : "A simple result wrapper around the ImageAttribute object that was sent over the wire.",
  },
  "syncReturnType" : "DescribeImageAttributeResult"
},
"DescribeImages" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeImagesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeImagesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeImagesRequest, DescribeImagesResult>",
  "asyncReturnType" : "DescribeImagesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of the images (AMIs, AKIs, and ARIs) available to you. Images available to you include public images, private images that you own, and private images owned by other AWS accounts but for which you have explicit launch permissions.</p> <note> <p>Deregistered images are included in
the returned results for an unspecified interval after deregistration.</p> </note>"},
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeImagesRequest",
    "variableName" : "describeImagesRequest",
    "variableType" : "DescribeImagesRequest",
    "documentation" : "<p>Contains the parameters for DescribeImages.</p>",
    "simpleType" : "DescribeImagesRequest",
    "variableSetterType" : "DescribeImagesRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeImages",
  "operationName" : "DescribeImages",
  "returnType" : {
    "returnType" : "DescribeImagesResult",
    "documentation" : "<p>Contains the output of DescribeImages.</p>"
  },
  "syncReturnType" : "DescribeImagesResult"
},
"DescribeImportImageTasks" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeImportImageTasksResult>"",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeImportImageTasksResult>"",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeImportImageTasksRequest, DescribeImportImageTasksResult>"",
  "asyncReturnType" : "DescribeImportImageTasksResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Displays details about an import virtual machine or import snapshot tasks that are already created.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeImportImageTasksRequest",
    "variableName" : "describeImportImageTasksRequest",
    "variableType" : "DescribeImportImageTasksRequest",
    "documentation" : "<p>Contains the parameters for DescribeImportImageTasks.</p>",
    "simpleType" : "DescribeImportImageTasksRequest",
    "variableSetterType" : "DescribeImportImageTasksRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeImportImageTasks",
  "operationName" : "DescribeImportImageTasks",
  "returnType" : {
    "returnType" : "DescribeImportImageTasksResult",
    "documentation" : "<p>Contains the output for DescribeImportImageTasks.</p>"
  },
  "syncReturnType" : "DescribeImportImageTasksResult"
"DescribeImportSnapshotTasks": {
  "asyncCallableType": "java.util.concurrent.Callable<DescribeImportSnapshotTasksResult>",
  "asyncFutureType": "java.util.concurrent.Future<DescribeImportSnapshotTasksResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeImportSnapshotTasksRequest, DescribeImportSnapshotTasksResult>",
  "asyncReturnType": "DescribeImportSnapshotTasksResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Describes your import snapshot tasks.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DescribeImportSnapshotTasksRequest",
    "variableName": "describeImportSnapshotTasksRequest",
    "variableType": "DescribeImportSnapshotTasksRequest",
    "documentation": "<p>Contains the parameters for DescribeImportSnapshotTasks.</p>",
    "simpleType": "DescribeImportSnapshotTasksRequest",
    "variableSetterType": "DescribeImportSnapshotTasksRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "describeImportSnapshotTasks",
  "operationName": "DescribeImportSnapshotTasks",
  "returnType": {
    "returnType": "DescribeImportSnapshotTasksResult",
    "documentation": "<p>Contains the output for DescribeImportSnapshotTasks.</p>"
  },
  "syncReturnType": "DescribeImportSnapshotTasksResult"
},

"DescribeInstanceAttribute": {
  "asyncCallableType": "java.util.concurrent.Callable<DescribeInstanceAttributeResult>",
  "asyncFutureType": "java.util.concurrent.Future<DescribeInstanceAttributeResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeInstanceAttributeRequest, DescribeInstanceAttributeResult>",
  "asyncReturnType": "DescribeInstanceAttributeResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Describes the specified attribute of the specified instance. You can specify only one attribute at a time. Valid attribute values are: instanceType | kernel | ramdisk | userData | disableApiTermination | instanceInitiatedShutdownBehavior | rootDeviceName | blockDeviceMapping | productCodes | sourceDestCheck | groupId | groupSet | ebsOptimized | srivpNetSupport | sriovNetSupport | /p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DescribeInstanceAttributeRequest",
    "variableName": "describeInstanceAttributeRequest",
    "variableType": "DescribeInstanceAttributeRequest",
    "documentation": "<p>Contains the parameters for DescribeInstanceAttributeRequest.</p>",
    "variableSetterType": "DescribeInstanceAttributeRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "describeInstanceAttribute",
  "operationName": "DescribeInstanceAttribute",
  "returnType": {
    "returnType": "DescribeInstanceAttributeResult",
    "documentation": "<p>Contains the output for DescribeInstanceAttribute.</p>"
  },
  "syncReturnType": "DescribeInstanceAttributeResult"}
"variableType" : "DescribeInstanceAttributeRequest",
"documentation" : "<p>Contains the parameters for DescribeInstanceAttribute.</p>",
"simpleType" : "DescribeInstanceAttributeRequest",
"variableSetterType" : "DescribeInstanceAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeInstanceAttribute",
"operationName" : "DescribeInstanceAttribute",
"returnType" : {
    "returnType" : "DescribeInstanceAttributeResult",
    "documentation" : "A simple result wrapper around the InstanceAttribute object that was sent over the wire."
},
"syncReturnType" : "DescribeInstanceAttributeResult"
},
"DescribeInstanceStatus" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeInstanceStatusResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeInstanceStatusResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeInstanceStatusRequest,
DescribeInstanceStatusResult>",
    "asyncReturnType" : "DescribeInstanceStatusResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the status of one or more instances. By default, only running instances are
described, unless specified otherwise.</p> <p>Instance status includes the following components:</p> <ul> <li><p> <b>Status checks</b> - Amazon EC2 performs status checks on running EC2 instances to identify hardware
Instances with Failed Status Checks</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </li> <li> <p> <b>Scheduled events</b> - Amazon EC2 can schedule events (such as reboot, stop, or terminate) for your
instances related to hardware issues, software updates, or system maintenance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-instances-status-check_sched.html">Scheduled Events for Your Instances</a> in the <i>Amazon Elastic Compute Cloud User
Guide</i>.</p> </li> <li> <p> <b>Instance state</b> - You can manage your instances from the moment you
launch them through their termination. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance
Lifecycle</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </li> </ul>

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DescribeInstanceStatusRequest",
    "variableName" : "describeInstanceStatusRequest",
    "variableType" : "DescribeInstanceStatusRequest",
    "documentation" : "<p>Contains the parameters for DescribeInstanceStatus.</p>",
    "simpleType" : "DescribeInstanceStatusRequest",
    "variableSetterType" : "DescribeInstanceStatusRequest"
}
"inputStreamPropertyName" : null,
"methodName" : "describeInstanceStatus",
"operationName" : "DescribeInstanceStatus",
"returnType" : {
    "returnType" : "DescribeInstanceStatusResult",
    "documentation" : "<p>Contains the output of DescribeInstanceStatus.</p>"
},
"syncReturnType" : "DescribeInstanceStatusResult"
},
"DescribeInstances" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeInstancesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeInstancesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeInstancesRequest, DescribeInstancesResult>",
    "asyncReturnType" : "DescribeInstancesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your instances.</p>"
    "returns" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DescribeInstancesRequest",
        "variableName" : "describeInstancesRequest",
        "variableType" : "DescribeInstancesRequest",
        "documentation" : "<p>Contains the parameters for DescribeInstances.</p>"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "describeInstances",
    "operationName" : "DescribeInstances",
    "returnType" : {
        "returnType" : "DescribeInstancesResult",
        "documentation" : "<p>Contains the output of DescribeInstances.</p>"
    },
    "syncReturnType" : "DescribeInstancesResult"
},
"DescribeInternetGateways" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeInternetGatewaysResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeInternetGatewaysResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeInternetGatewaysRequest,

"returnType" : {
    "returnType" : "DescribeKeyPairsResult",
    "documentation" : "<p>Contains the output of DescribeKeyPairs.</p>"
},
"syncReturnTyp

"DescribeMovingAddresses" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeMovingAddressesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeMovingAddressesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeMovingAddressesRequest,
DescribeMovingAddressesResult>",
    "asyncReturnTyp

"DescribeNatGateways" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeNatGatewaysResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeNatGatewaysResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNatGatewaysRequest,
DescribeNatGatewaysResult>",
    "asyncReturnTyp

"returnTyp
"variableDeclarationType" : "DescribeNatGatewaysRequest",
"variableName" : "describeNatGatewaysRequest",
"variableType" : "DescribeNatGatewaysRequest",
"documentation" : "<p>Contains the parameters for DescribeNatGateways.</p>",
"simpleType" : "DescribeNatGatewaysRequest",
"variableSetterType" : "DescribeNatGatewaysRequest" },
"inputStreamPropertyName" : null,
"methodName" : "describeNatGateways",
"operationName" : "DescribeNatGateways",
"returnType" : {
   "returnType" : "DescribeNatGatewaysResult",
   "documentation" : "<p>Contains the output of DescribeNatGateways.</p>"
},
"syncReturnType" : "DescribeNatGatewaysResult"
},
"DescribeNetworkAcls" : {
   "asyncCallableType" : "java.util.concurrent.Callable<DescribeNetworkAclsResult>",
   "asyncFutureType" : "java.util.concurrent.Future<DescribeNetworkAclsResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNetworkAclsRequest, DescribeNetworkAclsResult>",
   "asyncReturnType" : "DescribeNetworkAclsResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Describes one or more of your network ACLs.</p> <p>For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
   "exceptions" : null,
   "hasBlobMemberAsPayload" : false,
   "input" : {
      "variableDeclarationType" : "DescribeNetworkAclsRequest",
      "variableName" : "describeNetworkAclsRequest",
      "variableType" : "DescribeNetworkAclsRequest",
      "documentation" : "<p>Contains the parameters for DescribeNetworkAcls.</p>",
      "simpleType" : "DescribeNetworkAclsRequest",
      "variableSetterType" : "DescribeNetworkAclsRequest" },
   "inputStreamPropertyName" : null,
   "methodName" : "describeNetworkAcls",
   "operationName" : "DescribeNetworkAcls",
   "returnType" : {
      "returnType" : "DescribeNetworkAclsResult",
      "documentation" : "<p>Contains the output of DescribeNetworkAcls.</p>"
   },
   "syncReturnType" : "DescribeNetworkAclsResult"
};
"asyncCallableType" : "java.util.concurrent.Callable<DescribeNetworkInterfaceAttributeResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeNetworkInterfaceAttributeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNetworkInterfaceAttributeRequest,
DescribeNetworkInterfaceAttributeResult>",
"asyncReturnType" : "DescribeNetworkInterfaceAttributeResult",

"authenticated" : true,
"deprecated" : false,

documentation" : "<p>Describes a network interface attribute. You can specify only one attribute at a
time. </p>",

"exceptions" : null,

"hasBlobMemberAsPayload" : false,

"input" : {
  "variableDeclarationType" : "DescribeNetworkInterfaceAttributeRequest",
  "variableName" : "describeNetworkInterfaceAttributeRequest",
  "variableType" : "DescribeNetworkInterfaceAttributeRequest",
  "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaceAttribute. </p>",
  "simpleType" : "DescribeNetworkInterfaceAttributeRequest",
  "variableSetterType" : "DescribeNetworkInterfaceAttributeRequest"
},

"inputStreamPropertyName" : null,

"methodName" : "describeNetworkInterfaceAttribute",

"operationName" : "DescribeNetworkInterfaceAttribute",

"returnType" : {
  "returnType" : "DescribeNetworkInterfaceAttributeResult",
  "documentation" : "<p>Contains the output of DescribeNetworkInterfaceAttribute. </p>",
},

"syncReturnType" : "DescribeNetworkInterfaceAttributeResult"
},

"DescribeNetworkInterfaces" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeNetworkInterfacesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeNetworkInterfacesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNetworkInterfacesRequest,
DescribeNetworkInterfacesResult>",
  "asyncReturnType" : "DescribeNetworkInterfacesResult",
  "authenticated" : true,
  "deprecated" : false,

documentation" : "<p>Describes one or more of your network interfaces. </p>",

"exceptions" : null,

"hasBlobMemberAsPayload" : false,

"input" : {
  "variableDeclarationType" : "DescribeNetworkInterfacesRequest",
  "variableName" : "describeNetworkInterfacesRequest",
  "variableType" : "DescribeNetworkInterfacesRequest",
  "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaces. </p>",
  "simpleType" : "DescribeNetworkInterfacesRequest",
  "variableSetterType" : "DescribeNetworkInterfacesRequest"
},

"inputStreamPropertyName" : null,
"methodName" : "describeNetworkInterfaces",
"operationName" : "DescribeNetworkInterfaces",
"returnType" : {
  "returnType" : "DescribeNetworkInterfacesResult",
  "documentation" : "<p>Contains the output of DescribeNetworkInterfaces.</p>"
},
"syncReturnType" : "DescribeNetworkInterfacesResult"

"DescribePlacementGroups" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribePlacementGroupsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribePlacementGroupsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribePlacementGroupsRequest, DescribePlacementGroupsResult>",
  "asyncReturnType" : "DescribePlacementGroupsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your placement groups. For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribePlacementGroupsRequest",
    "variableName" : "describePlacementGroupsRequest",
    "variableType" : "DescribePlacementGroupsRequest",
    "documentation" : "<p>Contains the parameters for DescribePlacementGroups.</p>",
    "simpleType" : "DescribePlacementGroupsRequest",
    "variableSetterType" : "DescribePlacementGroupsRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describePlacementGroups",
  "operationName" : "DescribePlacementGroups",
  "returnType" : {
    "returnType" : "DescribePlacementGroupsResult",
    "documentation" : "<p>Contains the output of DescribePlacementGroups.</p>"
  },
  "syncReturnType" : "DescribePlacementGroupsResult"
}

"DescribePrefixLists" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribePrefixListsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribePrefixListsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribePrefixListsRequest, DescribePrefixListsResult>",
  "asyncReturnType" : "DescribePrefixListsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes available AWS services in a prefix list format, which includes the prefix list
name and prefix list ID of the service and the IP address range for the service. A prefix list ID is required for creating an outbound security group rule that allows traffic from a VPC to access an AWS service through a VPC endpoint.

```json
{"exceptions":null,
 "hasBlobMemberAsPayload":false,
 "input":{
  "variableDeclarationType":"DescribePrefixListsRequest",
  "variableName":"describePrefixListsRequest",
  "variableType":"DescribePrefixListsRequest",
  "documentation":"<p>Contains the parameters for DescribePrefixLists.\</p>",
  "simpleType":"DescribePrefixListsRequest",
  "variableSetterType":"DescribePrefixListsRequest"
 },
 "inputStreamPropertyName":null,
 "methodName":"describePrefixLists",
 "operationName":"DescribePrefixLists",
 "returnType":{
  "returnType":"DescribePrefixListsResult",
  "documentation":"<p>Contains the output of DescribePrefixLists.\</p>"
 },
 "syncReturnType":"DescribePrefixListsResult"
},
"DescribeRegions":{
  "asyncCallableType":"java.util.concurrent.Callable<DescribeRegionsResult>\",
  "asyncFutureType":"java.util.concurrent.Future<DescribeRegionsResult>\",
  "asyncHandlerType":"com.amazonaws.handlers.AsyncHandler<DescribeRegionsRequest, DescribeRegionsResult>\",
  "asyncReturn":true,
  "deprecated":false,
  "documentation":"<p>Describes one or more regions that are currently available to you.\</p> For a list of the regions supported by Amazon EC2, see <a href="http://docs.aws.amazon.com/general/latest/gr/rande.html#ec2_region\">Regions and Endpoints</a>.\</p>",
  "exceptions":null,
  "hasBlobMemberAsPayload":false,
  "input":{
   "variableDeclarationType":"DescribeRegionsRequest",
   "variableName":"describeRegionsRequest",
   "variableType":"DescribeRegionsRequest",
   "documentation":"<p>Contains the parameters for DescribeRegions.\</p>",
   "simpleType":"DescribeRegionsRequest",
   "variableSetterType":"DescribeRegionsRequest"
 },
 "inputStreamPropertyName":null,
 "methodName":"describeRegions",
 "operationName":"DescribeRegions",
 "returnType":{
  "returnType":"DescribeRegionsResult",
  // Remaining code continues
  // Example: Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 2975
"documentation" : "<p>Contains the output of DescribeRegions.</p>",
"syncReturnType" : "DescribeRegionsResult"
},
"DescribeReservedInstances" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeReservedInstancesResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeReservedInstancesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeReservedInstancesRequest,
DescribeReservedInstancesResult>",
"asyncReturnType" : "DescribeReservedInstancesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of the Reserved Instances that you purchased.</p> For more information about Reserved Instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts-on-demand-reserved-instances.html">Reserved Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeReservedInstancesRequest",
"variableName" : "describeReservedInstancesRequest",
"variableType" : "DescribeReservedInstancesRequest",
"documentation" : "<p>Contains the parameters for DescribeReservedInstances.</p>",
"simpleType" : "DescribeReservedInstancesRequest",
"variableSetterType" : "DescribeReservedInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeReservedInstances",
"operationName" : "DescribeReservedInstances",
"returnType" : {
"returnType" : "DescribeReservedInstancesResult",
"documentation" : "<p>Contains the output for DescribeReservedInstances.</p>",
"syncReturnType" : "DescribeReservedInstancesResult"
},
"DescribeReservedInstancesListings" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeReservedInstancesListingsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeReservedInstancesListingsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeReservedInstancesListingsRequest,
DescribeReservedInstancesListingsResult>",
"asyncReturnType" : "DescribeReservedInstancesListingsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes your account's Reserved Instance listings in the Reserved Instance Marketplace.</p> The Reserved Instance Marketplace matches sellers who want to resell Reserved Instance capacity that they no longer need with buyers who want to purchase additional capacity. Reserved Instances bought and sold through the Reserved Instance Marketplace work like any other Reserved Instances. As a seller, you choose to list some or all of your Reserved Instances, and you specify the upfront price to receive for them."
Your Reserved Instances are then listed in the Reserved Instance Marketplace and are available for purchase.

As a buyer, you specify the configuration of the Reserved Instance to purchase, and the Marketplace matches what you're searching for with what's available. The Marketplace first sells the lowest priced Reserved Instances to you, and continues to sell available Reserved Instance listings to you until your demand is met. You are charged based on the total price of all of the listings that you purchase.


### DescribeReservedInstancesListingsRequest

Contains the parameters for DescribeReservedInstancesListings.

### DescribeReservedInstancesListingsResult

Contains the output of DescribeReservedInstancesListings.

### DescribeReservedInstancesModifications

Describes the modifications made to your Reserved Instances. If no parameter is specified, information about all your Reserved Instances modification requests is returned. If a modification ID is specified, only information about the specific modification is returned.


### DescribeReservedInstancesModificationsRequest

Contains the parameters for DescribeReservedInstancesModifications.
"variableSetterType" : "DescribeReservedInstancesModificationsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeReservedInstancesModifications",
"operationName" : "DescribeReservedInstancesModifications",
"returnType" : {
"returnType" : "DescribeReservedInstancesModificationsResult",
"documentation" : "<p>Contains the output of DescribeReservedInstancesModifications.</p>"
},
"syncReturnType" : "DescribeReservedInstancesModificationsResult"
},
"DescribeReservedInstancesOfferings" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeReservedInstancesOfferingsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeReservedInstancesOfferingsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeReservedInstancesOfferingsRequest, DescribeReservedInstancesOfferingsResult>",
"asyncReturnType" : "DescribeReservedInstancesOfferingsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes Reserved Instance offerings that are available for purchase. With Reserved Instances, you purchase the right to launch instances for a period of time. During that time period, you do not receive insufficient capacity errors, and you pay a lower usage rate than the rate charged for On-Demand instances for the actual time used.</p> <p>If you have listed your own Reserved Instances for sale in the Reserved Instance Marketplace, they will be excluded from these results. This is to ensure that you do not purchase your own Reserved Instances.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/rimarket-general.html">Reserved Instance Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableName" : "describeReservedInstancesOfferingsRequest",
"variableType" : "DescribeReservedInstancesOfferingsRequest",
"documentation" : "<p>Contains the parameters for DescribeReservedInstancesOfferings.</p>",
"simpleType" : "DescribeReservedInstancesOfferingsRequest",
"variableSetterType" : "DescribeReservedInstancesOfferingsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeReservedInstancesOfferings",
"operationName" : "DescribeReservedInstancesOfferings",
"returnType" : {
"returnType" : "DescribeReservedInstancesOfferingsResult",
"documentation" : "<p>Contains the output of DescribeReservedInstancesOfferings.</p>"
},
"syncReturnType" : "DescribeReservedInstancesOfferingsResult"
},
"DescribeRouteTables" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeRouteTablesResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeRouteTablesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeRouteTablesRequest, DescribeRouteTablesResult>",
"asyncReturnType" : "DescribeRouteTablesResult",
"authenticated" : false,
"deprecated" : false,
"documentation" : "<p>Describes the route tables associated with the VPC. Route tables control the routes that are taken by the traffic sent to or received from the Internet. Each route table is associated with a specific VPC. The routes within a route table determine how traffic is routed to or from the Internet. You can also associate a route table with a public or private Elastic IP address (EIP) or a network interface (NIC). You can create a default route table with the createVpc command.</p> <p>Contents of the output parameter are returned in an array of RouteTable objects.</p> <p>For more information, see CreateVpc in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeRouteTablesRequest",
"variableName" : "describeRouteTablesRequest",
"variableType" : "DescribeRouteTablesRequest",
"documentation" : "<p>Contains the parameters for DescribeRouteTables.</p>"}
"asyncFutureType" : "java.util.concurrent.Future<DescribeRouteTablesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeRouteTablesRequest,
DescribeRouteTablesResult>",
"asyncReturnType" : "DescribeRouteTablesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of your route tables.</p> 
<p>Each subnet in your VPC must be associated with a route table. If a subnet is not explicitly associated with any route table, it is implicitly associated with the main route table. This command does not return the subnet ID for implicit associations. </p> 
<p>For more information about route tables, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html"&gt;Route Tables&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableName" : "describeRouteTablesRequest",
"variableType" : "DescribeRouteTablesRequest",
"documentation" : "<p>Contains the parameters for DescribeRouteTables.</p>",
"simpleType" : "DescribeRouteTablesRequest",
"variableSetterType" : "DescribeRouteTablesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeRouteTables",
"operationName" : "DescribeRouteTables",
"returnType" : {
"returnType" : "DescribeRouteTablesResult",
"documentation" : "<p>Contains the output of DescribeRouteTables.</p>",
"syncReturnType" : "DescribeRouteTablesResult"
},
"DescribeScheduledInstanceAvailability" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeScheduledInstanceAvailabilityResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeScheduledInstanceAvailabilityResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeScheduledInstanceAvailabilityRequest,
DescribeScheduledInstanceAvailabilityResult>",
"asyncReturnType" : "DescribeScheduledInstanceAvailabilityResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Finds available schedules that meet the specified criteria.</p> 
<p>You can search for an available schedule no more than 3 months in advance. You must meet the minimum required duration of 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p> 
<p>After you find a schedule that meets your needs, call &lt;a href="/eucalyptus/compute/PurchaseScheduledInstances.html"&gt;PurchaseScheduledInstances&lt;/a&gt; to purchase Scheduled Instances with that schedule.</p>&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {

"variableDeclarationType" : "DescribeScheduledInstanceAvailabilityRequest",
"variableName" : "describeScheduledInstanceAvailabilityRequest",
"variableType" : "DescribeScheduledInstanceAvailabilityRequest",
"documentation" : "<p>Contains the parameters for DescribeScheduledInstanceAvailability.</p>",
"simpleType" : "DescribeScheduledInstanceAvailabilityRequest",
"variableSetterType" : "DescribeScheduledInstanceAvailabilityRequest"
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"(inputStreamPropertyName" : null,
"methodName" : "describeScheduledInstanceAvailability",
"operationName" : "DescribeScheduledInstanceAvailability",
"returnType" : {
  "returnType" : "DescribeScheduledInstanceAvailabilityResult",
  "documentation" : "<p>Contains the output of DescribeScheduledInstanceAvailability.</p>"
},
"syncReturnType" : "DescribeScheduledInstanceAvailabilityResult"
},
"DescribeScheduledInstances" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeScheduledInstancesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeScheduledInstancesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeScheduledInstancesRequest, DescribeScheduledInstancesResult>",
  "asyncReturnType" : "DescribeScheduledInstancesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your Scheduled Instances.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeScheduledInstancesRequest",
    "variableName" : "describeScheduledInstancesRequest",
    "variableType" : "DescribeScheduledInstancesRequest",
    "documentation" : "<p>Contains the parameters for DescribeScheduledInstances.</p>",
    "simpleType" : "DescribeScheduledInstancesRequest",
    "variableSetterType" : "DescribeScheduledInstancesRequest"
  },
  "(inputStreamPropertyName" : null,
  "methodName" : "describeScheduledInstances",
  "operationName" : "DescribeScheduledInstances",
  "returnType" : {
    "returnType" : "DescribeScheduledInstancesResult",
    "documentation" : "<p>Contains the output of DescribeScheduledInstances.</p>"
  },
  "syncReturnType" : "DescribeScheduledInstancesResult"
},
"DescribeSecurityGroupReferences" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSecurityGroupReferencesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSecurityGroupReferencesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSecurityGroupReferencesRequest, DescribeSecurityGroupReferencesResult>"}
DescribeSecurityGroupReferencesResult",
  "asyncReturnType" : "DescribeSecurityGroupReferencesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC only] Describes the VPCs on the other side of a VPC peering connection that
are referencing the security groups you've specified in this request.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeSecurityGroupReferencesRequest",
    "variableName" : "describeSecurityGroupReferencesRequest",
    "variableType" : "DescribeSecurityGroupReferencesRequest",
    "documentation" : "",
    "simpleType" : "DescribeSecurityGroupReferencesRequest",
    "variableSetterType" : "DescribeSecurityGroupReferencesRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeSecurityGroupReferences",
  "operationName" : "DescribeSecurityGroupReferences",
  "returnType" : {
    "returnType" : "DescribeSecurityGroupReferencesResult",
    "documentation" : null
  },
  "syncReturnType" : "DescribeSecurityGroupReferencesResult"
},
"DescribeSecurityGroups" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSecurityGroupsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSecurityGroupsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSecurityGroupsRequest,
DescribeSecurityGroupsResult>",
  "asyncReturnType" : "DescribeSecurityGroupsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your security groups.</p> <p>A security group is for use with
instances either in the EC2-Classic platform or in a specific VPC. For more information, see <a
Security Groups</a> in the <i>Amazon Elastic Compute Cloud User Guide</i> and <a
for Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeSecurityGroupsRequest",
    "variableName" : "describeSecurityGroupsRequest",
    "variableType" : "DescribeSecurityGroupsRequest",
    "documentation" : "<p>Contains the parameters for DescribeSecurityGroups.</p>",
    "simpleType" : "DescribeSecurityGroupsRequest",
    "variableSetterType" : "DescribeSecurityGroupsRequest"
"inputStreamPropertyName" : null,
"methodName" : "describeSecurityGroups",
"operationName" : "DescribeSecurityGroups",
"returnType" : {
    "returnType" : "DescribeSecurityGroupsResult",
    "documentation" : "<p>Contains the output of DescribeSecurityGroups.</p>",
    "syncReturnType" : "DescribeSecurityGroupsResult"
},
"DescribeSnapshotAttribute" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeSnapshotAttributeResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeSnapshotAttributeResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSnapshotAttributeRequest,
DescribeSnapshotAttributeResult>",
    "asyncReturn" : "DescribeSnapshotAttributeResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the specified attribute of the specified snapshot. You can specify only one
attribute at a time.</p> For more information about EBS snapshots, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSSnapshots.html">Amazon EBS Snapshots</a>
in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DescribeSnapshotAttributeRequest",
    "variableName" : "describeSnapshotAttributeRequest",
    "variableType" : "DescribeSnapshotAttributeRequest",
    "documentation" : "<p>Contains the parameters for DescribeSnapshotAttribute.</p>",
    "simpleType" : "DescribeSnapshotAttributeRequest",
    "variableSetterType" : "DescribeSnapshotAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSnapshotAttribute",
"operationName" : "DescribeSnapshotAttribute",
"returnType" : {
    "returnType" : "DescribeSnapshotAttributeResult",
    "documentation" : "<p>Contains the output of DescribeSnapshotAttribute.</p>",
    "syncReturnType" : "DescribeSnapshotAttributeResult"
},
"DescribeSnapshots" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeSnapshotsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeSnapshotsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSnapshotsRequest,
DescribeSnapshotsResult>",
    "asyncReturn" : "DescribeSnapshotsResult",
    "authenticated" : true,
Available snapshots include public snapshots available for any AWS account to launch, private snapshots that you own, and private snapshots owned by another AWS account but for which you've been given explicit create volume permissions. The create volume permissions fall into the following categories:

- **public**: The owner of the snapshot granted create volume permissions for the snapshot to the all group. All AWS accounts have create volume permissions for these snapshots.
- **explicit**: The owner of the snapshot granted create volume permissions to a specific AWS account.
- **implicit**: An AWS account has implicit create volume permissions for all snapshots it owns.

If you specify one or more snapshot IDs, only snapshots that have the specified IDs are returned. If you specify an invalid snapshot ID, an error is returned. If you specify a snapshot ID for which you do not have access, it is not included in the returned results. If you specify one or more snapshot owners using the OwnerIds option, only snapshots from the specified owners and for which you have access are returned. You can specify AWS account IDs (if you own the snapshots), self for snapshots for which you own or have explicit permissions, or all for public snapshots.

If you are describing a long list of snapshots, you can paginate the output to make the list more manageable. The MaxResults parameter sets the maximum number of results returned in a single page. If the list of results exceeds your MaxResults value, then that number of results is returned along with a NextToken value that can be passed to a subsequent DescribeSnapshots request to retrieve the remaining results.
"asyncFutureType" : "java.util.concurrent.Future<DescribeSpotDatafeedSubscriptionResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotDatafeedSubscriptionRequest,
DescribeSpotDatafeedSubscriptionResult>",
"asyncReturnType" : "DescribeSpotDatafeedSubscriptionResult",
"authenticated" : true,
"deprecated" : false,
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DescribeSpotDatafeedSubscriptionRequest",
    "variableName" : "describeSpotDatafeedSubscriptionRequest",
    "variableType" : "DescribeSpotDatafeedSubscriptionRequest",
    "documentation" : "<p>Contains the parameters for DescribeSpotDatafeedSubscription.</p>",
    "simpleType" : "DescribeSpotDatafeedSubscriptionRequest",
    "variableSetterType" : "DescribeSpotDatafeedSubscriptionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSpotDatafeedSubscription",
"operationName" : "DescribeSpotDatafeedSubscription",
"returnType" : {
    "returnType" : "DescribeSpotDatafeedSubscriptionResult",
    "documentation" : "<p>Contains the output of DescribeSpotDatafeedSubscription.</p>",
    "syncReturnType" : "DescribeSpotDatafeedSubscriptionResult"
},
"DescribeSpotFleetInstances" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotFleetInstancesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeSpotFleetInstancesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotFleetInstancesRequest,
DescribeSpotFleetInstancesResult>",
    "asyncReturnType" : "DescribeSpotFleetInstancesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the running instances for the specified Spot fleet.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DescribeSpotFleetInstancesRequest",
        "variableName" : "describeSpotFleetInstancesRequest",
        "variableType" : "DescribeSpotFleetInstancesRequest",
        "documentation" : "<p>Contains the parameters for DescribeSpotFleetInstances.</p>",
        "simpleType" : "DescribeSpotFleetInstancesRequest",
        "variableSetterType" : "DescribeSpotFleetInstancesRequest"
    },
    "inputStreamPropertyName" : null,
"methodName" : "describeSpotFleetInstances",
"operationName" : "DescribeSpotFleetInstances",
"returnType" : {
  "returnType" : "DescribeSpotFleetInstancesResult",
  "documentation" : "<p>Contains the output of DescribeSpotFleetInstances.</p>"
},
"syncReturnType" : "DescribeSpotFleetInstancesResult"
},
"DescribeSpotFleetRequestHistory" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotFleetRequestHistoryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSpotFleetRequestHistoryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotFleetRequestHistoryRequest, DescribeSpotFleetRequestHistoryResult>",
  "asyncReturnType" : "DescribeSpotFleetRequestHistoryResult",
  "deprecated" : false,
  "documentation" : "<p>Describes the events for the specified Spot fleet request during the specified time.</p>
  <p>Spot fleet events are delayed by up to 30 seconds before they can be described. This ensures that you can query by the last evaluated time and not miss a recorded event.</p>"
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeSpotFleetRequestHistoryRequest",
  "variableName" : "describeSpotFleetRequestHistoryRequest",
  "variableType" : "DescribeSpotFleetRequestHistoryRequest",
  "documentation" : "<p>Contains the parameters for DescribeSpotFleetRequestHistory.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSpotFleetRequestHistory",
"operationName" : "DescribeSpotFleetRequestHistory",
"returnType" : {
  "returnType" : "DescribeSpotFleetRequestHistoryResult",
  "documentation" : "<p>Contains the output of DescribeSpotFleetRequestHistory.</p>"
},
"syncReturnType" : "DescribeSpotFleetRequestHistoryResult"
},
"DescribeSpotFleetRequests" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotFleetRequestsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSpotFleetRequestsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotFleetRequestsRequest, DescribeSpotFleetRequestsResult>",
  "asyncReturnType" : "DescribeSpotFleetRequestsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes your Spot fleet requests.</p>"
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeSpotFleetRequestsRequest",
  "variableName" : "describeSpotFleetRequestsRequest",
  "variableType" : "DescribeSpotFleetRequestsRequest",
  "documentation" : "<p>Contains the parameters for DescribeSpotFleetRequests.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSpotFleetRequests",
"operationName" : "DescribeSpotFleetRequests",
"returnType" : {
  "returnType" : "DescribeSpotFleetRequestsResult",
  "documentation" : "<p>Contains the output of DescribeSpotFleetRequests.</p>"
},
"syncReturnType" : "DescribeSpotFleetRequestsResult"
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "DescribeSpotFleetRequestsRequest",
  "variableName": "describeSpotFleetRequestsRequest",
  "variableType": "DescribeSpotFleetRequestsRequest",
  "documentation": "<p>Contains the parameters for DescribeSpotFleetRequests.</p>",
  "simpleType": "DescribeSpotFleetRequestsRequest",
  "variableSetterType": "DescribeSpotFleetRequestsRequest"
},
"inputStreamPropertyName": null,
"methodName": "describeSpotFleetRequests",
"operationName": "DescribeSpotFleetRequests",
"returnType": {
  "returnType": "DescribeSpotFleetRequestsResult",
  "documentation": "<p>Contains the output of DescribeSpotFleetRequests.</p>",
  "syncReturnType": "DescribeSpotFleetRequestsResult"
},
"DescribeSpotFleetRequests": {
  "asyncCallableType": "java.util.concurrent.Callable<DescribeSpotFleetRequestsResult>",
  "asyncFutureType": "java.util.concurrent.Future<DescribeSpotFleetRequestsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeSpotFleetRequestsRequest,
DescribeSpotFleetRequestsRequestsResult>",
  "asyncReturnTyp"}
"deprecated" : false,
"documentation" : "<p>[EC2-VPC only] Describes the stale security group rules for security groups in a specified VPC. Rules are stale when they reference a deleted security group in a peer VPC, or a security group in a peer VPC for which the VPC peering connection has been deleted.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeStaleSecurityGroupsRequest",
  "variableName" : "describeStaleSecurityGroupsRequest",
  "variableType" : "DescribeStaleSecurityGroupsRequest",
  "documentation" : "",
  "simpleType" : "DescribeStaleSecurityGroupsRequest",
  "variableSetterType" : "DescribeStaleSecurityGroupsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeStaleSecurityGroups",
"operationName" : "DescribeStaleSecurityGroups",
"returnType" : {
  "returnType" : "DescribeStaleSecurityGroupsResult",
  "documentation" : null
},
"syncReturnType" : "DescribeStaleSecurityGroupsResult"
},
"DescribeSubnets" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSubnetsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSubnetsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSubnetsRequest, DescribeSubnetsResult>",
  "asyncReturnType" : "DescribeSubnetsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your subnets.</p> <p>For more information about subnets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeSubnetsRequest",
    "variableName" : "describeSubnetsRequest",
    "variableType" : "DescribeSubnetsRequest",
    "documentation" : "<p>Contains the parameters for DescribeSubnets.</p>",
    "simpleType" : "DescribeSubnetsRequest",
    "variableSetterType" : "DescribeSubnetsRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeSubnets",
  "operationName" : "DescribeSubnets",
  "returnType" : {
"returnType" : "DescribeSubnetsResult",
"documentation" : "<p>Contains the output of DescribeSubnets.</p>",
"syncReturnType" : "DescribeSubnetsResult"
},
"DescribeTags" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeTagsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeTagsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeTagsRequest, DescribeTagsResult>",
"asyncReturnType" : "DescribeTagsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of the tags for your EC2 resources.</p> For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeTagsRequest",
"variableName" : "describeTagsRequest",
"variableType" : "DescribeTagsRequest",
"documentation" : "<p>Contains the parameters for DescribeTags.</p>",
"simpleType" : "DescribeTagsRequest",
"variableSetterType" : "DescribeTagsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeTags",
"operationName" : "DescribeTags",
"returnType" : {
"returnType" : "DescribeTagsResult",
"documentation" : "<p>Contains the output of DescribeTags.</p>"
},
"syncReturnType" : "DescribeTagsResult"
},
"DescribeVolumeAttribute" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeVolumeAttributeResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeVolumeAttributeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVolumeAttributeRequest, DescribeVolumeAttributeResult>",
"asyncReturnType" : "DescribeVolumeAttributeResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes the specified attribute of the specified volume. You can specify only one attribute at a time.</p> For more information about EBS volumes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumes.html">Amazon EBS Volumes</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input": {
    "variableDeclarationType": "DescribeVolumeAttributeRequest",
    "variableName": "describeVolumeAttributeRequest",
    "variableType": "DescribeVolumeAttributeRequest",
    "documentation": "<p>Contains the parameters for DescribeVolumeAttribute.</p>",
    "simpleType": "DescribeVolumeAttributeRequest",
    "variableSetterType": "DescribeVolumeAttributeRequest"
},
"inputStreamPropertyName": null,
"methodName": "describeVolumeAttribute",
"operationName": "DescribeVolumeAttribute",
"returnType": {
    "returnType": "DescribeVolumeAttributeResult",
    "documentation": "<p>Contains the output of DescribeVolumeAttribute.</p>"
},
"syncReturnType": "DescribeVolumeAttributeResult"},
"DescribeVolumeStatus": {
    "asyncCallableType": "java.util.concurrent.Callable<DescribeVolumeStatusResult>",
    "asyncFutureType": "java.util.concurrent.Future<DescribeVolumeStatusResult>",
    "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeVolumeStatusRequest, DescribeVolumeStatusResult>",
    "asyncReturnType": "DescribeVolumeStatusResult",
    "authenticated": true,
    "deprecated": false,
    "documentation": "<p>Describes the status of the specified volumes. Volume status provides the result of the checks performed on your volumes to determine events that can impair the performance of your volumes. The performance of a volume can be affected if an issue occurs on the volume's underlying host. If the volume's underlying host experiences a power outage or system issue, after the system is restored, there could be data inconsistencies on the volume. Volume events notify you if this occurs. Volume actions notify you if any action needs to be taken in response to the event. The <code>DescribeVolumeStatus</code> operation provides the following information about the specified volumes:

- <i>Status</i>: Reflects the current status of the volume. The possible values are <code>ok</code>, <code>impaired</code>, <code>warning</code>, or <code>insufficient-data</code>. If all checks pass, the overall status of the volume is <code>ok</code>. If the check fails, the overall status is <code>impaired</code>. If the status is <code>insufficient-data</code>, then the checks may still be taking place on your volume at the time. We recommend that you retry the request. For more information on volume status, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-volume-status.html">Monitoring the Status of Your Volumes</a>.

- <i>Events</i>: Reflect the cause of a volume status and may require you to take action. For example, if your volume returns an <code>impaired</code> status, then the volume event might be <code>potential-data-inconsistency</code>. This means that your volume has been affected by an issue with the underlying host, has all I/O operations disabled, and may have inconsistent data.

- <i>Actions</i>: Reflect the actions you may have to take in response to an event. For example, if the status of the volume is <code>impaired</code> and the volume event shows <code>potential-data-inconsistency</code>, then the action shows <code>enable-volume-io</code>. This means that you may want to enable the I/O operations for the volume by calling the <a>EnableVolumeIO</a> action and then check the volume for data consistency.

- <i>Note</i>: Volume status does not indicate volumes in the <code>error</code> state (for example, when a volume is incapable of accepting I/O.).</p>"
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"returnType": {
  "returnType": "DescribeVolumeStatusResult",
  "documentation": "<p>Contains the output of DescribeVolumeStatus.</p>",
  "syncReturnType": "DescribeVolumeStatusResult"
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"DescribeVolumes": {
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DescribeVolumesResult>",
  "asyncReturnType": "DescribeVolumesResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Describes the specified EBS volumes.</p>
  <p>If you are describing a long list of volumes, you can paginate the output to make the list more manageable. The <code>MaxResults</code> parameter sets the maximum number of results returned in a single page. If the list of results exceeds your <code>MaxResults</code> value, then that number of results is returned along with a <code>NextToken</code> value that can be passed to a subsequent <code>DescribeVolumes</code> request to retrieve the remaining results.</p>
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
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    "documentation": "<p>Contains the parameters for DescribeVolumes.</p>",
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  "inputStreamPropertyName": null,
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  "operationName": "DescribeVolumes"}
"returnType" : {
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    "documentation" : "<p>Contains the output of DescribeVolumes.</p>"
},
"syncReturnType" : "DescribeVolumesResult"
}

"DescribeVolumesModifications" : {
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    "asyncFutureType" : "java.util.concurrent.Future<DescribeVolumesModificationsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVolumesModificationsRequest,
DescribeVolumesModificationsResult>",
    "asyncReturnType" : "DescribeVolumesModificationsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Reports the current modification status of EBS volumes.</p> <p>Current-generation EBS volumes support modification of attributes including type, size, and (for <code>io1</code> volumes) IOPS provisioning while either attached to or detached from an instance. Following an action from the API or the console to modify a volume, the status of the modification may be <code>modifying</code>, <code>optimizing</code>, <code>completed</code>, or <code>failed</code>. If a volume has never been modified, then certain elements of the returned <code>VolumeModification</code> objects are null. </p> <p>You can also use CloudWatch Events to check the status of a modification to an EBS volume. For information about CloudWatch Events, see the <a href="http://docs.aws.amazon.com/AmazonCloudWatch/latest/events/WhatIsCloudWatchEvents.html">Amazon CloudWatch Events User Guide</a>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html#monitoring_mods">Monitoring Volume Modifications</a>.</p>"
},
"exceptions" : null,
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    "documentation" : null
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"DescribeVpcAttribute" : {
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    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcAttributeRequest,
DescribeVpcAttributeResult>",
    "asyncReturnType" : "DescribeVpcAttributeResult",
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    "documentation" : "",
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    "operationName" : "DescribeVpcAttribute",
    "returnType" : {
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        "documentation" : null
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    "syncReturnType" : "DescribeVpcAttributeResult"
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DescribeVpcAttributeResult">
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    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the specified attribute of the specified VPC. You can specify only one attribute at a time.</p>",
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    "hasBlobMemberAsPayload" : false,
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  "DescribeVpcClassicLink" : {
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    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcClassicLinkRequest, DescribeVpcClassicLinkResult>",
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    "deprecated" : false,
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"DescribeVpcClassicLinkDnsSupport" : {
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"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcClassicLinkDnsSupportRequest, DescribeVpcClassicLinkDnsSupportResult>",
"asyncReturnType" : "DescribeVpcClassicLinkDnsSupportResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes the ClassicLink DNS support status of one or more VPCs. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the VPC to which it's linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information about ClassicLink, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
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  "asyncReturnType" : "DescribeVpcsResult",
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"syncReturnType" : "DescribeVpcsResult"
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  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPN connections.</p>"
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"DescribeVpnGateways" : {
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpnGatewaysRequest,
DescribeVpnGatewaysResult>",
  "asyncReturnType" : "DescribeVpnGatewaysResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your virtual private gateways.</p>"
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"DescribeVpcPeeringConnections" : {
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpcPeeringConnectionsResult>",
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DescribeVpcPeeringConnectionsResult>",
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  "documentation" : "<p>Describes one or more of your VPC peering connections.</p>"
},
"DescribeVpcRouteTables" : {
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DescribeVpcRouteTablesResult>",
  "asyncReturnType" : "DescribeVpcRouteTablesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPC route tables.</p>"
},
"DescribeVpcEndpoints" : {
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpcEndpointsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcEndpointsRequest,
DescribeVpcEndpointsResult>",
  "asyncReturnType" : "DescribeVpcEndpointsResult",
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  "deprecated" : false,
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"DescribeVpcEndpointsVpcPeeringConnectionsAttachments" : {
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  "asyncReturnType" : "DescribeVpcEndpointsVpcPeeringConnectionsAttachmentsResult",
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  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPC endpoints and VPC peering connections attachments.</p>"
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DescribeVpcPeeringConnectionsResult>",
  "asyncReturnType" : "DescribeVpcPeeringConnectionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPC peering connections.</p>"
}

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"simpleType" : "DescribeVpnGatewaysRequest",
"variableSetterType" : "DescribeVpnGatewaysRequest"
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"deprecated" : false,
"documentation" : "<p>Unlinks (detaches) a linked EC2-Classic instance from a VPC. After the instance has
been unlinked, the VPC security groups are no longer associated with it. An instance is automatically unlinked from
a VPC when it's stopped.</p>"",
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  "asyncReturnType" : "DetachInternetGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Detaches an Internet gateway from a VPC, disabling connectivity between the Internet and the VPC. The VPC must not contain any running instances with Elastic IP addresses.</p>",
  "exceptions" : null,
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  "operationName" : "DetachInternetGateway",
  "returnType" : {
    "returnType" : "DetachInternetGatewayResult",
    "documentation" : null
  },
  "syncReturnType" : "DetachInternetGatewayResult"
},
"DetachNetworkInterface" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DetachNetworkInterfaceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DetachNetworkInterfaceResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DetachNetworkInterfaceRequest, DetachNetworkInterfaceResult>",
  "asyncReturnType" : "DetachNetworkInterfaceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Detaches a network interface from an instance.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DetachNetworkInterfaceRequest",
    "variableName" : "detachNetworkInterfaceRequest",
    "variableType" : "DetachNetworkInterfaceRequest",
    "documentation" : "<p>Contains the parameters for DetachNetworkInterface.</p>",
    "simpleType" : "DetachNetworkInterfaceRequest"
"variableSetterType" : "DetachNetworkInterfaceRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "detachNetworkInterface",
"operationName" : "DetachNetworkInterface",
"returnType" : {
  "returnType" : "DetachNetworkInterfaceResult",
  "documentation" : null
},
"syncReturnType" : "DetachNetworkInterfaceResult"
},
"DetachVolume" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DetachVolumeResult> ",
  "asyncFutureType" : "java.util.concurrent.Future<DetachVolumeResult> ",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DetachVolumeRequest,
DetachVolumeResult>",
  "asyncReturnType" : "DetachVolumeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Detaches an EBS volume from an instance. Make sure to unmount any file systems on
the device within your operating system before detaching the volume. Failure to do so can result in the volume
becoming stuck in the <code>busy</code> state while detaching. If this happens, detachment can be delayed
indefinitely until you unmount the volume, force detachment, reboot the instance, or all three. If an EBS volume is
the root device of an instance, it can't be detached while the instance is running. To detach the root volume, stop the
instance first.<p>
  <p>When a volume with an AWS Marketplace product code is detached from an instance, the
product code is no longer associated with the instance.<p>
  <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-detaching-volume.html">Detaching an
Amazon EBS Volume</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DetachVolumeRequest",
    "variableName" : "detachVolumeRequest",
    "variableType" : "DetachVolumeRequest",
    "documentation" : "<p>Contains the parameters for DetachVolume.</p>",
    "simpleType" : "DetachVolumeRequest",
    "variableSetterType" : "DetachVolumeRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "detachVolume",
  "operationName" : "DetachVolume",
  "returnType" : {
    "returnType" : "DetachVolumeResult",
    "documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire."
  },
  "syncReturnType" : "DetachVolumeResult"
},
"DetachVpnGateway" : {
Detaches a virtual private gateway from a VPC. You do this if you're planning to turn off the VPC and not use it anymore. You can confirm a virtual private gateway has been completely detached from a VPC by describing the virtual private gateway (any attachments to the virtual private gateway are also described). You must wait for the attachment's state to switch to detached before you can delete the VPC or attach a different VPC to the virtual private gateway.

Disables a virtual private gateway (VGW) from propagating routes to a specified route table of a VPC. Disables a virtual private gateway (VGW) from propagating routes to a specified route table of a VPC.
"simpleType": "DisableVgwRoutePropagationRequest",
"variableSetterType": "DisableVgwRoutePropagationRequest"
},

"inputStreamPropertyName": null,
"methodName": "disableVgwRoutePropagation",
"operationName": "DisableVgwRoutePropagation",

"returnType": {
  "returnType": "DisableVgwRoutePropagationResult",
  "documentation": null
},

"syncReturnType": "DisableVgwRoutePropagationResult"
},

"DisableVpcClassicLink": {
  "asyncCallableType": "java.util.concurrent.Callable<DisableVpcClassicLinkResult>",
  "asyncFutureType": "java.util.concurrent.Future<DisableVpcClassicLinkResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DisableVpcClassicLinkRequest,
DisableVpcClassicLinkResult>",
  "asyncReturn_type": "DisableVpcClassicLinkResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Disables ClassicLink for a VPC. You cannot disable ClassicLink for a VPC that has EC2-Classic instances linked to it.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DisableVpcClassicLinkRequest",
    "variableName": "disableVpcClassicLinkRequest",
    "variableType": "DisableVpcClassicLinkRequest",
    "documentation": "<p>Contains the parameters for DisableVpcClassicLink.</p>",
    "simpleType": "DisableVpcClassicLinkRequest",
    "variableSetterType": "DisableVpcClassicLinkRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "disableVpcClassicLink",
  "operationName": "DisableVpcClassicLink",
  "returnType": {
    "returnType": "DisableVpcClassicLinkResult",
    "documentation": "<p>Contains the output of DisableVpcClassicLink.</p>"
  },
  "syncReturnType": "DisableVpcClassicLinkResult"
},

"DisableVpcClassicLinkDnsSupport": {
  "asyncCallableType": "java.util.concurrent.Callable<DisableVpcClassicLinkDnsSupportResult>",
  "asyncFutureType": "java.util.concurrent.Future<DisableVpcClassicLinkDnsSupportResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DisableVpcClassicLinkDnsSupportRequest,
DisableVpcClassicLinkDnsSupportResult>",
  "asyncReturn_type": "DisableVpcClassicLinkDnsSupportResult",
  "authenticated": true,
Disables ClassicLink DNS support for a VPC. If disabled, DNS hostnames resolve to public IP addresses when addressed between a linked EC2-Classic instance and instances in the VPC to which it's linked. For more information about ClassicLink, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html"ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide.

This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.
"inputStreamPropertyName" : null,
"methodName" : "disassociateAddress",
"operationName" : "DisassociateAddress",
"returnType" : {
    "returnType" : "DisassociateAddressResult",
    "documentation" : null
},
"syncReturnType" : "DisassociateAddressResult"
},
"DisassociateIamInstanceProfile" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DisassociateIamInstanceProfileResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DisassociateIamInstanceProfileResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateIamInstanceProfileRequest,
DisassociateIamInstanceProfileResult>",
    "asyncReturntype" : "DisassociateIamInstanceProfileResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "&lt;p&gt;Disassociates an IAM instance profile from a running or stopped instance.&lt;/p&gt; Use &lt;a href=&quot;DescribeIamInstanceProfileAssociations&quot;&gt;to get the association ID.&lt;/a&gt;&lt;/p&gt;",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
    "variableDeclarationType" : "DisassociateIamInstanceProfileRequest",
    "variableName" : "disassociateIamInstanceProfileRequest",
    "variableType" : "DisassociateIamInstanceProfileRequest",
    "documentation" : "",
    "simpleType" : "DisassociateIamInstanceProfileRequest",
    "variableSetterType" : "DisassociateIamInstanceProfileRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "disassociateIamInstanceProfile",
"operationName" : "DisassociateIamInstanceProfile",
"returnType" : {
    "returnType" : "DisassociateIamInstanceProfileResult",
    "documentation" : null
},
"syncReturnType" : "DisassociateIamInstanceProfileResult"
},
"DisassociateRouteTable" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DisassociateRouteTableResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DisassociateRouteTableResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateRouteTableRequest,
DisassociateRouteTableResult>",
    "asyncReturntype" : "DisassociateRouteTableResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "&lt;p&gt;Disassociates a subnet from a route table.&lt;/p&gt; &lt;p&gt;After you perform this action, the subnet no longer uses the routes in the route table. Instead, it uses the routes in the VPC's main route table. For more
information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the Amazon Virtual Private Cloud User Guide</p>,

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DisassociateRouteTableRequest",
  "variableName" : "disassociateRouteTableRequest",
  "variableType" : "DisassociateRouteTableRequest",
  "documentation" : "<p>Contains the parameters for DisassociateRouteTable.</p>",
  "simpleType" : "DisassociateRouteTableRequest",
  "variableSetterType" : "DisassociateRouteTableRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "disassociateRouteTable",
"operationName" : "DisassociateRouteTable",
"returnType" : {
  "returnType" : "DisassociateRouteTableResult",
  "documentation" : null
},
"syncReturnType" : "DisassociateRouteTableResult"
},
"DisassociateSubnetCidrBlock" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DisassociateSubnetCidrBlockResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DisassociateSubnetCidrBlockResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateSubnetCidrBlockRequest,
DisassociateSubnetCidrBlockResult>",
  "asyncReturnType" : "DisassociateSubnetCidrBlockResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Disassociates a CIDR block from a subnet. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it. </p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DisassociateSubnetCidrBlockRequest",
    "variableName" : "disassociateSubnetCidrBlockRequest",
    "variableType" : "DisassociateSubnetCidrBlockRequest",
    "documentation" : "",
    "simpleType" : "DisassociateSubnetCidrBlockRequest",
    "variableSetterType" : "DisassociateSubnetCidrBlockRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "disassociateSubnetCidrBlock",
  "operationName" : "DisassociateSubnetCidrBlock",
  "returnType" : {
    "returnType" : "DisassociateSubnetCidrBlockResult",
    "documentation" : null
  }
}
"documentation" : null,
"syncReturnType" : "DisassociateSubnetCidrBlockResult"
},
"DisassociateVpcCidrBlock" : {
"asyncCallableType" : "java.util.concurrent.Callable<DisassociateVpcCidrBlockResult>",
"asyncFutureType" : "java.util.concurrent.Future<DisassociateVpcCidrBlockResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateVpcCidrBlockRequest,
DisassociateVpcCidrBlockResult>",
"asyncReturnType" : "DisassociateVpcCidrBlockResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Disassociates a CIDR block from a VPC. Currently, you can disassociate an IPv6 CIDR
block only. You must detach or delete all gateways and resources that are associated with the CIDR block before
you can disassociate it. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DisassociateVpcCidrBlockRequest",
"variableName" : "disassociateVpcCidrBlockRequest",
"variableType" : "DisassociateVpcCidrBlockRequest",
"documentation" : "",
"simpleType" : "DisassociateVpcCidrBlockRequest",
"variableSetterType" : "DisassociateVpcCidrBlockRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "disassociateVpcCidrBlock",
"operationName" : "DisassociateVpcCidrBlock",
"returnType" : {
"returnType" : "DisassociateVpcCidrBlockResult",
"documentation" : null
},
"syncReturnType" : "DisassociateVpcCidrBlockResult"
},
"EnableVgwRoutePropagation" : {
"asyncCallableType" : "java.util.concurrent.Callable<EnableVgwRoutePropagationResult>",
"asyncFutureType" : "java.util.concurrent.Future<EnableVgwRoutePropagationResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<EnableVgwRoutePropagationRequest,
EnableVgwRoutePropagationResult>",
"asyncReturnType" : "EnableVgwRoutePropagationResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Enables a virtual private gateway (VGW) to propagate routes to the specified route table
of a VPC. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "EnableVgwRoutePropagationRequest",}
"variableName": "enableVgwRoutePropagationRequest",
"variableType": "EnableVgwRoutePropagationRequest",
"documentation": "<p>Contains the parameters for EnableVgwRoutePropagation.</p>",
"simpleType": "EnableVgwRoutePropagationRequest",
"variableSetterType": "EnableVgwRoutePropagationRequest"
},
"inputStreamPropertyName": null,
"methodName": "enableVgwRoutePropagation",
"operationName": "EnableVgwRoutePropagation",
"returnType": {
"returnType": "EnableVgwRoutePropagationResult",
"documentation": null
},
"syncReturnType": "EnableVgwRoutePropagationResult"
},
"EnableVolumeIO": {
"asyncCallableType": "java.util.concurrent.Callable<EnableVolumeIOResult>",
"asyncFutureType": "java.util.concurrent.Future<EnableVolumeIOResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<EnableVolumeIORequest, EnableVolumeIOResult>",
"asyncReturnType": "EnableVolumeIOResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Enables I/O operations for a volume that had I/O operations disabled because the data on the volume was potentially inconsistent.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "EnableVolumeIORequest",
"variableName": "enableVolumeIORequest",
"variableType": "EnableVolumeIORequest",
"documentation": "<p>Contains the parameters for EnableVolumeIO.</p>",
"simpleType": "EnableVolumeIORequest",
"variableSetterType": "EnableVolumeIORequest"
},
"inputStreamPropertyName": null,
"methodName": "enableVolumeIO",
"operationName": "EnableVolumeIO",
"returnType": {
"returnType": "EnableVolumeIOResult",
"documentation": null
},
"syncReturnType": "EnableVolumeIOResult"
},
"EnableVpcClassicLink": {
"asyncCallableType": "java.util.concurrent.Callable<EnableVpcClassicLinkResult>",
"asyncFutureType": "java.util.concurrent.Future<EnableVpcClassicLinkResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<EnableVpcClassicLinkRequest, EnableVpcClassicLinkResult>",
"asyncReturnType": "EnableVpcClassicLinkResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Enables Classic Link for a VPC. When Classic Link is enabled, VPC resources can be accessed through an EC2 instance running in a Classic Link enabled VPC. Classic Link resources, such as classic subnets, can be attached to an EC2 instance running in a VPC that is Classic Link enabled. This makes it easier to set up a VPC and access resources in a Classic VPC from an EC2 instance running in a VPC.
</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "EnableVpcClassicLinkRequest",
"variableName": "enableVpcClassicLinkRequest",
"variableType": "EnableVpcClassicLinkRequest",
"documentation": "<p>Contains the parameters for EnableVpcClassicLink.</p>",
"simpleType": "EnableVpcClassicLinkRequest",
"variableSetterType": "EnableVpcClassicLinkRequest"
},
"inputStreamPropertyName": null,
"methodName": "enableVpcClassicLink",
"operationName": "EnableVpcClassicLink",
"returnType": {
"returnType": "EnableVpcClassicLinkResult",
"documentation": null
},
"syncReturnType": "EnableVpcClassicLinkResult"}
EnableVpcClassicLinkResult",
"asyncReturnType" : "EnableVpcClassicLinkResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Enables a VPC for ClassicLink. You can then link EC2-Classic instances to your ClassicLink-enabled VPC to allow communication over private IP addresses. You cannot enable your VPC for ClassicLink if any of your VPC's route tables have existing routes for address ranges within the <code>10.0.0.0/8</code> IP address range, excluding local routes for VPCs in the <code>10.0.0.0/16</code> and <code>10.1.0.0/16</code> IP address ranges. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html"&gt;ClassicLink&lt;/a&gt; in the Amazon Elastic Compute Cloud User Guide.&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "EnableVpcClassicLinkRequest",
"variableName" : "enableVpcClassicLinkRequest",
"variableType" : "EnableVpcClassicLinkRequest",
"documentation" : "<p>Contains the parameters for EnableVpcClassicLink.</p>",
"simpleType" : "EnableVpcClassicLinkRequest",
"variableSetterType" : "EnableVpcClassicLinkRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "enableVpcClassicLink",
"operationName" : "EnableVpcClassicLink",
"returnType" : {
"returnType" : "EnableVpcClassicLinkResult",
"documentation" : "<p>Contains the output of EnableVpcClassicLink.</p>",
"syncReturnType" : "EnableVpcClassicLinkDnsSupport",
"asyncCallableType" : "java.util.concurrent.Callable<EnableVpcClassicLinkDnsSupportResult>",
"asyncFutureType" : "java.util.concurrent.Future<EnableVpcClassicLinkDnsSupportResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<EnableVpcClassicLinkDnsSupportRequest, EnableVpcClassicLinkDnsSupportResult>",
"asyncReturnType" : "EnableVpcClassicLinkDnsSupportResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Enables a VPC to support DNS hostname resolution for ClassicLink. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the VPC to which it's linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information about ClassicLink, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html"&gt;ClassicLink&lt;/a&gt; in the Amazon Elastic Compute Cloud User Guide.&lt;/i&gt;.&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "EnableVpcClassicLinkDnsSupportRequest"
"variableName" : "enableVpcClassicLinkDnsSupportRequest",
"variableType" : "EnableVpcClassicLinkDnsSupportRequest",
"documentation" : "<p>Contains the parameters for EnableVpcClassicLinkDnsSupport.</p>",
"simpleType" : "EnableVpcClassicLinkDnsSupportRequest",
"variableSetterType" : "EnableVpcClassicLinkDnsSupportRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "enableVpcClassicLinkDnsSupport",
"operationName" : "EnableVpcClassicLinkDnsSupport",
"returnType" : {
  "returnType" : "EnableVpcClassicLinkDnsSupportResult",
  "documentation" : "<p>Contains the output of EnableVpcClassicLinkDnsSupport.</p>"
},
"syncReturnType" : "EnableVpcClassicLinkDnsSupportResult"
},
"GetMethodOutput" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetConsoleOutputResult>",
  "asyncFutureType" : "java.util.concurrent.Future<GetConsoleOutputResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetConsoleOutputRequest, GetConsoleOutputResult>",
  "asyncReturntype" : "GetConsoleOutputResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Gets the console output for the specified instance.</p>
  <p>Instances do not have a physical monitor through which you can view their console output. They also lack physical controls that allow you to power up, reboot, or shut them down. To allow these actions, we provide them through the Amazon EC2 API and command line interface.</p>
  <p>Instance console output is buffered and posted shortly after instance boot, reboot, and termination. Amazon EC2 preserves the most recent 64 KB output which is available for at least one hour after the most recent post.</p>
  <p>For Linux instances, the instance console output displays the exact console output that would normally be displayed on a physical monitor attached to a computer. This output is buffered because the instance produces it and then posts it to a store where the instance's owner can retrieve it.</p>
  <p>For Windows instances, the instance console output includes output from the EC2Config service.</p>""
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "GetConsoleOutputRequest",
  "variableName" : "getConsoleOutputRequest",
  "variableType" : "GetConsoleOutputRequest",
  "documentation" : "<p>Contains the parameters for GetConsoleOutput.</p>",
  "simpleType" : "GetConsoleOutputRequest",
  "variableSetterType" : "GetConsoleOutputRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "getConsoleOutput",
"operationName" : "GetConsoleOutput",
"returnType" : {
  "returnType" : "GetConsoleOutputResult",
  "documentation" : "<p>Contains the output of GetConsoleOutput.</p>"
"GetConsoleScreenshot" : {
    "asyncCallableType" : "java.util.concurrent.Callable<GetConsoleScreenshotResult>",
    "asyncFutureType" : "java.util.concurrent.Future<GetConsoleScreenshotResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetConsoleScreenshotRequest,
GetConsoleScreenshotResult>",
    "asyncReturnType" : "GetConsoleScreenshotResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "Retrieves a JPG-format screenshot of a running instance to help with troubleshooting. The returned content is Base64-encoded.",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "GetConsoleScreenshotRequest",
        "variableName" : "getConsoleScreenshotRequest",
        "variableType" : "GetConsoleScreenshotRequest",
        "documentation" : "Contains the parameters for the request.",
        "simpleType" : "GetConsoleScreenshotRequest",
        "variableSetterType" : "GetConsoleScreenshotRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "getConsoleScreenshot",
    "operationName" : "GetConsoleScreenshot",
    "returnType" : {
        "returnType" : "GetConsoleScreenshotResult",
        "documentation" : "Contains the output of the request."}
},
"GetHostReservationPurchasePreview" : {
    "asyncCallableType" : "java.util.concurrent.Callable<GetHostReservationPurchasePreviewResult>",
    "asyncFutureType" : "java.util.concurrent.Future<GetHostReservationPurchasePreviewResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetHostReservationPurchasePreviewRequest,
GetHostReservationPurchasePreviewResult>",
    "asyncReturnType" : "GetHostReservationPurchasePreviewResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "Preview a reservation purchase with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation.
This is a preview of the <a>PurchaseHostReservation</a> action and does not result in the offering being purchased.",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "GetHostReservationPurchasePreviewRequest",
        "variableName" : "getHostReservationPurchasePreviewRequest",
        "variableType" : "GetHostReservationPurchasePreviewRequest",
        "documentation" : "Contains the parameters for the request.",
        "simpleType" : "GetHostReservationPurchasePreviewRequest",
        "variableSetterType" : "GetHostReservationPurchasePreviewRequest""}
"variableType" : "GetHostReservationPurchasePreviewRequest",
"documentation" : "",
"simpleType" : "GetHostReservationPurchasePreviewRequest",
"variableSetterType" : "GetHostReservationPurchasePreviewRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "getHostReservationPurchasePreview",
"operationName" : "GetHostReservationPurchasePreview",
"returnType" : {
  "returnType" : "GetHostReservationPurchasePreviewResult",
  "documentation" : null
},
"syncReturnType" : "GetHostReservationPurchasePreviewResult"
},

"GetPasswordData" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetPasswordDataResult>",
  "asyncFutureType" : "java.util.concurrent.Future<GetPasswordDataResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetPasswordDataRequest, GetPasswordDataResult>",
  "asyncReturnType" : "GetPasswordDataResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Retrieves the encrypted administrator password for an instance running Windows.</p>
<p>The Windows password is generated at boot if the <code>EC2Config</code> service plugin, <code>Ec2SetPassword</code>, is enabled. This usually only happens the first time an AMI is launched, and then <code>Ec2SetPassword</code> is automatically disabled. The password is not generated for rebundled AMIs unless <code>Ec2SetPassword</code> is enabled before bundling.</p>
<p>The password is encrypted using the key pair that you specified when you launched the instance. You must provide the corresponding key pair file.</p>
<p>Password generation and encryption takes a few moments. We recommend that you wait up to 15 minutes after launching an instance before trying to retrieve the generated password.</p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "GetPasswordDataRequest",
  "variableName" : "getPasswordDataRequest",
  "variableType" : "GetPasswordDataRequest",
  "documentation" : "<p>Contains the parameters for GetPasswordData.</p>
"simpleType" : "GetPasswordDataRequest",
"variableSetterType" : "GetPasswordDataRequest"
}
},
"inputStreamPropertyName" : null,
"methodName" : "getPasswordData",
"operationName" : "GetPasswordData",
"returnType" : {
  "returnType" : "GetPasswordDataResult",
  "documentation" : "<p>Contains the output of GetPasswordData.</p>"
},
"syncReturnType" : "GetPasswordDataResult"
"GetReservedInstancesExchangeQuote" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetReservedInstancesExchangeQuoteResult>!",
  "asyncFutureType" : "java.util.concurrent.Future<GetReservedInstancesExchangeQuoteResult>!",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetReservedInstancesExchangeQuoteRequest, GetReservedInstancesExchangeQuoteResult>",
  "asyncReturnType" : "GetReservedInstancesExchangeQuoteResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Returns details about the values and term of your specified Convertible Reserved Instances. When a target configuration is specified, it returns information about whether the exchange is valid and can be performed.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "GetReservedInstancesExchangeQuoteRequest",
    "variableName" : "getReservedInstancesExchangeQuoteRequest",
    "variableType" : "GetReservedInstancesExchangeQuoteRequest",
    "documentation" : "<p>Contains the parameters for GetReservedInstancesExchangeQuote.</p>",
    "simpleType" : "GetReservedInstancesExchangeQuoteRequest",
    "variableSetterType" : "GetReservedInstancesExchangeQuoteRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "getReservedInstancesExchangeQuote",
  "operationName" : "GetReservedInstancesExchangeQuote",
  "returnType" : {
    "returnType" : "GetReservedInstancesExchangeQuoteResult",
    "documentation" : "<p>Contains the output of GetReservedInstancesExchangeQuote.</p>
  },
  "syncReturnType" : "GetReservedInstancesExchangeQuoteResult"
},

"ImportImage" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ImportImageResult>!",
  "asyncFutureType" : "java.util.concurrent.Future<ImportImageResult>!",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportImageRequest, ImportImageResult>!",
  "asyncReturnType" : "ImportImageResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Import single or multi-volume disk images or EBS snapshots into an Amazon Machine Image (AMI). For more information, see &lt;a href="http://docs.aws.amazon.com/vmimport/latest/userguide/vmimport-image-import.html"&gt;Importing a VM as an Image Using VM Import/Export&lt;/a&gt; in the &lt;i&gt;VM Import/Export User Guide&lt;/i&gt;.&lt;/p&gt;",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ImportImageRequest",
    "variableName" : "importImageRequest",
    "variableType" : "ImportImageRequest",
    "documentation" : "<p>Contains the parameters for ImportImage.</p>",
    "simpleType" : "ImportImageRequest",
    "variableSetterType" : "ImportImageRequest"
  }
}
"documentation" : "<p>Contains the parameters for ImportImage.</p>",
"simpleType" : "ImportImageRequest",
"variableSetterType" : "ImportImageRequest"
],
"inputStreamPropertyName" : null,
"methodName" : "importImage",
"operationName" : "ImportImage",
"returnType" : {
"returnType" : "ImportImageResult",
"documentation" : "<p>Contains the output for ImportImage.</p>"
},
"syncReturnType" : "ImportImageResult"
],
"ImportInstance" : {
"asyncCallableType" : "java.util.concurrent.Callable<ImportInstanceResult>",
"asyncFutureType" : "java.util.concurrent.Future<ImportInstanceResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportInstanceRequest,
ImportInstanceResult>",
"asyncReturnType" : "ImportInstanceResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates an import instance task using metadata from the specified disk image.
<code>ImportInstance</code> only supports single-volume VMs. To import multi-volume VMs, use
<a>ImportImage</a>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ec2-cli-vmimport-export.html">Importing a Virtual Machine Using the Amazon EC2 CLI</a>.<p>
For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.<p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ImportInstanceRequest",
"variableName" : "importInstanceRequest",
"variableType" : "ImportInstanceRequest",
"documentation" : "<p>Contains the parameters for ImportInstance.</p>",
"simpleType" : "ImportInstanceRequest",
"variableSetterType" : "ImportInstanceRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "importInstance",
"operationName" : "ImportInstance",
"returnType" : {
"returnType" : "ImportInstanceResult",
"documentation" : "<p>Contains the output for ImportInstance.</p>"
},
"syncReturnType" : "ImportInstanceResult"
]
"ImportKeyPair" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ImportKeyPairResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ImportKeyPairResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportKeyPairRequest, ImportKeyPairResult>",
    "asyncReturnType" : "ImportKeyPairResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Imports the public key from an RSA key pair that you created with a third-party tool. Compare this with <a>CreateKeyPair</a>, in which AWS creates the key pair and gives the keys to you (AWS keeps a copy of the public key). With ImportKeyPair, you create the key pair and give AWS just the public key. The private key is never transferred between you and AWS.</p> 
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "ImportKeyPairRequest",
        "variableName" : "importKeyPairRequest",
        "variableType" : "ImportKeyPairRequest",
        "documentation" : "<p>Contains the parameters for ImportKeyPair.</p>"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "importKeyPair",
    "operationName" : "ImportKeyPair",
    "returnType" : {
        "returnType" : "ImportKeyPairResult",
        "documentation" : "<p>Contains the output of ImportKeyPair.</p>"
    },
    "syncReturnType" : "ImportKeyPairResult"
},
"ImportSnapshot" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ImportSnapshotResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ImportSnapshotResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportSnapshotRequest, ImportSnapshotResult>",
    "asyncReturnType" : "ImportSnapshotResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Imports a disk into an EBS snapshot.</p>"
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "ImportSnapshotRequest",
        "variableName" : "importSnapshotRequest",
        "variableType" : "ImportSnapshotRequest",
        "documentation" : "<p>Contains the parameters for ImportSnapshotRequest.</p>"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "importSnapshot",
    "operationName" : "ImportSnapshot",
    "returnType" : {
        "returnType" : "ImportSnapshotResult",
        "documentation" : "<p>Contains the output of ImportSnapshotRequest.</p>"
    },
    "syncReturnType" : "ImportSnapshotResult"
"documentation" : "<p>Contains the parameters for ImportSnapshot.</p>",
"simpleType" : "ImportSnapshotRequest",
"variableSetterType" : "ImportSnapshotRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "importSnapshot",
"operationName" : "ImportSnapshot",
"returnType" : {
  "returnType" : "ImportSnapshotResult",
  "documentation" : "<p>Contains the output for ImportSnapshot.</p>
},
"syncReturnType" : "ImportSnapshotResult"
},
"importVolume" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ImportVolumeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ImportVolumeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportVolumeRequest, ImportVolumeResult>",
  "asyncReturnResult" : "ImportVolumeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates an import volume task using metadata from the specified disk image. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/importing-your-volumes-into-amazon-efs.html">Importing Disks to Amazon EFS</a>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ImportVolumeRequest",
    "variableName" : "importVolumeRequest",
    "variableType" : "ImportVolumeRequest",
    "documentation" : "<p>Contains the parameters for ImportVolume.</p>",
    "simpleType" : "ImportVolumeRequest",
    "variableSetterType" : "ImportVolumeRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "importVolume",
  "operationName" : "ImportVolume",
  "returnType" : {
    "returnType" : "ImportVolumeResult",
    "documentation" : "<p>Contains the output for ImportVolume.</p>
  },
  "syncReturnType" : "ImportVolumeResult"
},
"modifyHosts" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifyHostsResult>"
"asyncFutureType": "java.util.concurrent.Future<ModifyHostsResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ModifyHostsRequest, ModifyHostsResult>",
"asyncReturnType": "ModifyHostsResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Modify the auto-placement setting of a Dedicated Host. When auto-placement is enabled, AWS will place instances that you launch with a tenancy of <code>host</code>, but without targeting a specific host ID, onto any available Dedicated Host in your account which has auto-placement enabled. When auto-placement is disabled, you need to provide a host ID if you want the instance to launch onto a specific host. If no host ID is provided, the instance will be launched onto a suitable host which has auto-placement enabled.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "ModifyHostsRequest",
  "variableName": "modifyHostsRequest",
  "variableType": "ModifyHostsRequest",
  "documentation": "<p>Contains the parameters for ModifyHosts.</p>",
  "simpleType": "ModifyHostsRequest",
  "variableSetterType": "ModifyHostsRequest"
},
"inputStreamPropertyName": null,
"methodName": "modifyHosts",
"operationName": "ModifyHosts",
"returnType": {
  "returnType": "ModifyHostsResult",
  "documentation": "<p>Contains the output of ModifyHosts.</p>",
  "syncReturnType": "ModifyHostsResult"
},
"ModifyIdFormat": {
  "asyncCallableType": "java.util.concurrent.Callable<ModifyIdFormatResult>",
  "asyncFutureType": "java.util.concurrent.Future<ModifyIdFormatResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ModifyIdFormatRequest, ModifyIdFormatResult>",
  "asyncReturnType": "ModifyIdFormatResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p> <p>Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.</p>"
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "ModifyIdentityIdFormatRequest",
  "variableName": "modifyIdentityIdFormatRequest",
  "variableType": "ModifyIdentityIdFormatRequest",
  "documentation": "<p>Modifies the ID format of a resource for a specified IAM user, IAM role, or the root user for an account; or all IAM users, IAM roles, and the root user for an account. You can specify that resources should receive longer IDs (17-character IDs) when they are created. </p> <p>The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html"&gt;Resource IDs&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;. </p> <p>This setting applies to the principal specified in the request; it does not apply to the principal that makes the request. </p> <p>Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant &lt;code&gt;Describe&lt;/code&gt; command for the resource type.&lt;/p&gt;">
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "ModifyIdentityIdFormatRequest",
  "variableName": "modifyIdentityIdFormatRequest",
  "variableType": "ModifyIdentityIdFormatRequest",
  "documentation": "<p>Contains the parameters of ModifyIdentityIdFormat.&lt;/p&gt;",
  "simpleType": "ModifyIdentityIdFormatRequest",
  "variableSetterType": "ModifyIdentityIdFormatRequest"
}
,"inputStreamPropertyName": null,
"methodName" : "modifyIdentityIdFormat",
"operationName" : "ModifyIdentityIdFormat",
"returnType" : {
 "returnType" : "ModifyIdentityIdFormatResult",
 "documentation" : null
},
"syncReturnType" : "ModifyIdentityIdFormatResult"
},
"ModifyImageAttribute" : {
 "asyncCallableType" : "java.util.concurrent.Callable<ModifyImageAttributeResult>",
 "asyncFutureType" : "java.util.concurrent.Future<ModifyImageAttributeResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyImageAttributeRequest, ModifyImageAttributeResult>",
 "asyncReturnType" : "ModifyImageAttributeResult",
 "authenticated" : true,
 "deprecated" : false,
 "documentation" : "<p>Modifies the specified attribute of the specified AMI. You can specify only one attribute at a time.</p>  
 <note>  
 <p>AWS Marketplace product codes cannot be modified. Images with an AWS Marketplace product code cannot be made public.</p>  
 </note>  
 <note>  
 <p>The SriovNetSupport enhanced networking attribute cannot be changed using this command. Instead, enable SriovNetSupport on an instance and create an AMI from the instance. This will result in an image with SriovNetSupport enabled.</p>  
 </note>
,"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
 "variableDeclarationType" : "ModifyImageAttributeRequest",
 "variableName" : "modifyImageAttributeRequest",
 "variableType" : "ModifyImageAttributeRequest",
 "documentation" : "Contains the parameters for ModifyImageAttribute.<p>",
 "simpleType" : "ModifyImageAttributeRequest",
 "variableSetterType" : "ModifyImageAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifyImageAttribute",
"operationName" : "ModifyImageAttribute",
"returnType" : {
 "returnType" : "ModifyImageAttributeResult",
 "documentation" : null
},
"syncReturnType" : "ModifyImageAttributeResult"
},
"ModifyInstanceAttribute" : {
 "asyncCallableType" : "java.util.concurrent.Callable<ModifyInstanceAttributeResult>",
 "asyncFutureType" : "java.util.concurrent.Future<ModifyInstanceAttributeResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyInstanceAttributeRequest, ModifyInstanceAttributeResult>",
 "asyncReturnType" : "ModifyInstanceAttributeResult",
 "authenticated" : true,
 "deprecated" : false,
"documentation": "Modifies the specified attribute of the specified instance. You can specify only one attribute at a time. To modify some attributes, the instance must be stopped. For more information, see Modifying Attributes of a Stopped Instance in the Amazon Elastic Compute Cloud User Guide.",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "ModifyInstanceAttributeRequest",
  "variableName": "modifyInstanceAttributeRequest",
  "variableType": "ModifyInstanceAttributeRequest",
  "documentation": "Contains the parameters for ModifyInstanceAttribute."
},
"inputStreamPropertyName": null,
"methodName": "modifyInstanceAttribute",
"operationName": "ModifyInstanceAttribute",
"returnType": {
  "returnType": "ModifyInstanceAttributeResult",
  "documentation": null
},
"syncReturnType": "ModifyInstanceAttributeResult"
};
"ModifyInstancePlacement": {
  "asyncCallableType": "java.util.concurrent.Callable<ModifyInstancePlacementResult>",
  "asyncFutureType": "java.util.concurrent.Future<ModifyInstancePlacementResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ModifyInstancePlacementRequest, ModifyInstancePlacementResult>",
  "asyncReturnTyp...false,
  "documentation": "Set the instance affinity value for a specific stopped instance and modify the instance tenancy setting. Instance affinity is disabled by default. When instance affinity is host and it is not associated with a specific Dedicated Host, the next time it is launched it will automatically be associated with the host it lands on. This relationship will persist if the instance is stopped/started, or rebooted. You can modify the host ID associated with a stopped instance. If a stopped instance has a new host ID association, the instance will target that host when restarted. You can modify the tenancy of a stopped instance with a tenancy of host or dedicated. Affinity, hostID, and tenancy are not required parameters, but at least one of them must be specified in the request. Affinity and tenancy can be modified in the same request, but tenancy can only be modified on instances that are stopped.",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "ModifyInstancePlacementRequest",
    "variableName": "modifyInstancePlacementRequest",
    "variableType": "ModifyInstancePlacementRequest",
    "documentation": "Contains the parameters for ModifyInstancePlacement."
  }
}
"deprecated" : false,
"documentation" : "<p>Modifies the Availability Zone, instance count, instance type, or network platform (EC2-Classic or EC2-VPC) of your Standard Reserved Instances. The Reserved Instances to be modified must be identical, except for Availability Zone, network platform, and instance type.</p>

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ModifyReservedInstancesRequest",
  "variableName" : "modifyReservedInstancesRequest",
  "variableType" : "ModifyReservedInstancesRequest",
  "documentation" : "<p>Contains the parameters for ModifyReservedInstances.</p>
},
"inputStreamPropertyName" : null,
"methodName" : "modifyReservedInstances",
"operationName" : "ModifyReservedInstances",
"returnType" : {
  "returnType" : "ModifyReservedInstancesResult",
  "documentation" : "<p>Contains the output of ModifyReservedInstances.</p>
  

"ModifySnapshotAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifySnapshotAttributeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifySnapshotAttributeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifySnapshotAttributeRequest, ModifySnapshotAttributeResult>",
  "asyncReturn-type" : "ModifySnapshotAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Adds or removes permission settings for the specified snapshot. You may add or remove specified AWS account IDs from a snapshot’s list of create volume permissions, but you cannot do both in a single API call. If you need to both add and remove account IDs for a snapshot, you must use multiple API calls.</p>
  

  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ModifySnapshotAttributeRequest",
    "variableName" : "modifySnapshotAttributeRequest",
    "variableType" : "ModifySnapshotAttributeRequest",
    "documentation" : "<p>Contains the parameters for ModifySnapshotAttribute.</p>"
"simpleType" : "ModifySnapshotAttributeRequest",
"variableSetterType" : "ModifySnapshotAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifySnapshotAttribute",
"operationName" : "ModifySnapshotAttribute",
"returnType" : {
  "returnType" : "ModifySnapshotAttributeResult",
  "documentation" : null
},
"syncReturnType" : "ModifySnapshotAttributeResult"
}
"ModifySpotFleetRequest" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifySpotFleetRequestResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifySpotFleetRequestResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifySpotFleetRequestRequest, ModifySpotFleetRequestResult>",
  "asyncReturnReturnType" : "ModifySpotFleetRequestResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Modifies the specified Spot fleet request.</p> <p>While the Spot fleet request is being modified, it is in the <code>modifying</code> state.</p> <p>To scale up your Spot fleet, increase its target capacity. The Spot fleet launches the additional Spot instances according to the allocation strategy for the Spot fleet request. If the allocation strategy is <code>lowestPrice</code>, the Spot fleet launches instances using the Spot pool with the lowest price. If the allocation strategy is <code>diversified</code>, the Spot fleet distributes the instances across the Spot pools.</p> <p>To scale down your Spot fleet, decrease its target capacity. First, the Spot fleet cancels any open bids that exceed the new target capacity. You can request that the Spot fleet terminate Spot instances until the size of the fleet no longer exceeds the new target capacity. If the allocation strategy is <code>lowestPrice</code>, the Spot fleet terminates the instances with the highest price per unit. If the allocation strategy is <code>diversified</code>, the Spot fleet terminates instances across the Spot pools. Alternatively, you can request that the Spot fleet keep the fleet at its current size, but not replace any Spot instances that are interrupted or that you terminate manually.</p>
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ModifySpotFleetRequestRequest",
    "variableName" : "modifySpotFleetRequestRequest",
    "variableType" : "ModifySpotFleetRequestRequest",
    "documentation" : "<p>Contains the parameters for ModifySpotFleetRequest.</p> ",
    "simpleType" : "ModifySpotFleetRequestRequest",
    "variableSetterType" : "ModifySpotFleetRequestRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "modifySpotFleetRequest",
  "operationName" : "ModifySpotFleetRequest",
  "returnType" : {
    "returnType" : "ModifySpotFleetRequestResult",
    "documentation" : "<p>Contains the output of ModifySpotFleetRequest.</p>"
"syncReturnType" : "ModifyVolumeResult",
",
"ModifyVolume" : {
"asyncCallableType" : "java.util.concurrent.Callable<ModifyVolumeResult>",
"asyncFutureType" : "java.util.concurrent.Future<ModifyVolumeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyVolumeRequest,
ModifyVolumeResult>",
"asyncReturnType" : "ModifyVolumeResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>You can modify several parameters of an existing EBS volume, including volume size, volume type, and IOPS capacity. If your EBS volume is attached to a current-generation EC2 instance type, you may be able to apply these changes without stopping the instance or detaching the volume from it. For more information about modifying an EBS volume running Linux, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html">Modifying the Size, IOPS, or Type of an EBS Volume on Linux</a>. For more information about modifying an EBS volume running Windows, see <a href="http://docs.aws.amazon.com/docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ebs-expand-volume.html">Expanding the Storage Space of an EBS Volume on Windows</a>. </p> <p> When you complete a resize operation on your volume, you need to extend the volume's file-system size to take advantage of
"asyncReturn
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Modifies a volume attribute.</p> <p>By default, all I/O operations for the volume are suspended when the data on the volume is determined to be potentially inconsistent, to prevent undetectable, latent data corruption. The I/O access to the volume can be resumed by first enabling I/O access and then checking the data consistency on your volume.</p> <p>You can change the default behavior to resume I/O operations. We recommend that you change this only for boot volumes or for volumes that are stateless or disposable.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ModifyVolumeAttributeRequest",
"variableName" : "modifyVolumeAttributeRequest",
"variableType" : "ModifyVolumeAttributeRequest",
"documentation" : "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"simpleType" : "ModifyVolumeAttributeRequest",
"variableSetterType" : "ModifyVolumeAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifyVolumeAttribute",
"operationName" : "ModifyVolumeAttribute",
"returnType" : {
"returnType" : "ModifyVolumeAttributeResult",
"documentation" : null
},
"syncReturnType" : "ModifyVolumeAttributeResult"
},
"ModifyVpcAttribute" : {
"asyncCallableType" : "java.util.concurrent.Callable<ModifyVpcAttributeResult>",
"asyncFutureType" : "java.util.concurrent.Future<ModifyVpcAttributeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyVpcAttributeRequest, ModifyVpcAttributeResult>",
"asyncReturnResult" : "ModifyVpcAttributeResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Modifies the specified attribute of the specified VPC.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ModifyVpcAttributeRequest",
"variableName" : "modifyVpcAttributeRequest",
"variableType" : "ModifyVpcAttributeRequest",
"documentation" : "<p>Contains the parameters for ModifyVpcAttribute.</p>",
"simpleType" : "ModifyVpcAttributeRequest",
"variableSetterType" : "ModifyVpcAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifyVpcAttribute",
"operationName" : "ModifyVpcAttribute"
"returnType" : {
    "returnType" : "ModifyVpcAttributeResult",
    "documentation" : null
},
"syncReturnType" : "ModifyVpcAttributeResult"
},
"ModifyVpcEndpoint" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ModifyVpcEndpointResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ModifyVpcEndpointResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyVpcEndpointRequest,
ModifyVpcEndpointResult>",
    "asyncReturn-type" : "ModifyVpcEndpointResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Modifies attributes of a specified VPC endpoint. You can modify the policy associated with the endpoint, and you can add and remove route tables associated with the endpoint.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "ModifyVpcEndpointRequest",
        "variableName" : "modifyVpcEndpointRequest",
        "variableType" : "ModifyVpcEndpointRequest",
        "documentation" : "<p>Contains the parameters for ModifyVpcEndpoint.</p>",
        "simpleType" : "ModifyVpcEndpointRequest",
        "variableSetterType" : "ModifyVpcEndpointRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "modifyVpcEndpoint",
    "operationName" : "ModifyVpcEndpoint",
    "returnType" : {
        "returnType" : "ModifyVpcEndpointResult",
        "documentation" : "<p>Contains the output of ModifyVpcEndpoint.</p>"
    },
    "syncReturnType" : "ModifyVpcEndpointResult"
},
"ModifyVpcPeeringConnectionOptions" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ModifyVpcPeeringConnectionOptionsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ModifyVpcPeeringConnectionOptionsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyVpcPeeringConnectionOptionsRequest,
ModifyVpcPeeringConnectionOptionsResult>",
    "asyncReturn-type" : "ModifyVpcPeeringConnectionOptionsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Modifies the VPC peering connection options on one side of a VPC peering connection. You can do the following:</p>
<ul>
    <li><p>Enable/disable communication over the peering connection between an EC2-Classic instance that's linked to your VPC (using ClassicLink) and instances in the peer VPC.</p></li>
    <li><p>Enable/disable communication over the peering connection between instances in your VPC and an EC2-Classic instance that's linked to the peer VPC.</p></li>
    <li><p>Enable/disable a local VPC to resolve public DNS</p></li>
</ul>
hostnames to private IP addresses when queried from instances in the peer VPC.

If the peered VPCs are in different accounts, each owner must initiate a separate request to modify the peering connection options, depending on whether their VPC was the requester or accepter for the VPC peering connection. If the peered VPCs are in the same account, you can modify the requester and accepter options in the same request. To confirm which VPC is the accepter and requester for a VPC peering connection, use the

`<a>DescribeVpcPeeringConnections</a>` command.

```
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "ModifyVpcPeeringConnectionOptionsRequest",
    "variableName" : "modifyVpcPeeringConnectionOptionsRequest",
    "variableType" : "ModifyVpcPeeringConnectionOptionsRequest",
    "documentation" : "",
    "simpleType" : "ModifyVpcPeeringConnectionOptionsRequest",
    "variableSetterType" : "ModifyVpcPeeringConnectionOptionsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifyVpcPeeringConnectionOptions",
"operationName" : "ModifyVpcPeeringConnectionOptions",
"returnType" : {
    "returnType" : "ModifyVpcPeeringConnectionOptionsResult",
    "documentation" : null
},
"syncReturnType" : "ModifyVpcPeeringConnectionOptionsResult"
}
```

To disable detailed monitoring, see .

```
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "MonitorInstancesRequest",
    "variableName" : "monitorInstancesRequest",
    "variableType" : "MonitorInstancesRequest",
    "documentation" : "<p>Enables detailed monitoring for a running instance. Otherwise, basic monitoring is enabled. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-cloudwatch.html">Monitoring Your Instances and Volumes</a> in the Amazon Elastic Compute Cloud User Guide</p>.<p>To disable detailed monitoring, see .</p>

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "MonitorInstancesRequest",
    "variableName" : "monitorInstancesRequest",
    "variableType" : "MonitorInstancesRequest",
    "documentation" : "<p>Contains the parameters for MonitorInstances. </p>

"simpleType" : "MonitorInstancesRequest",
"variableSetterType" : "MonitorInstancesRequest"
}
```
"methodName" : "monitorInstances",
"operationName" : "MonitorInstances",
"returnType" : {
  "returnType" : "MonitorInstancesResult",
  "documentation" : "<p>Contains the output of MonitorInstances.</p>"
},
"syncReturnType" : "MonitorInstancesResult"
},
"MoveAddressToVpc" : {
  "asyncCallableType" : "java.util.concurrent.Callable<MoveAddressToVpcResult>",
  "asyncFutureType" : "java.util.concurrent.Future<MoveAddressToVpcResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<MoveAddressToVpcRequest, MoveAddressToVpcResult>",
  "asyncReturnType" : "MoveAddressToVpcResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC platform. The Elastic IP address must be allocated to your account for more than 24 hours, and it must not be associated with an instance. After the Elastic IP address is moved, it is no longer available for use in the EC2-Classic platform, unless you move it back using the <a>RestoreAddressToClassic</a> request. You cannot move an Elastic IP address that was originally allocated for use in the EC2-VPC platform to the EC2-Classic platform. </p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "MoveAddressToVpcRequest",
    "variableName" : "moveAddressToVpcRequest",
    "variableType" : "MoveAddressToVpcRequest",
    "documentation" : "<p>Contains the parameters for MoveAddressToVpc.</p>"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "moveAddressToVpc",
  "operationName" : "MoveAddressToVpc",
  "returnType" : {
    "returnType" : "MoveAddressToVpcResult",
    "documentation" : "<p>Contains the output of MoveAddressToVpc.</p>"
  },
  "syncReturnType" : "MoveAddressToVpcResult"
},
"PurchaseHostReservation" : {
  "asyncCallableType" : "java.util.concurrent.Callable<PurchaseHostReservationResult>",
  "asyncFutureType" : "java.util.concurrent.Future<PurchaseHostReservationResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<PurchaseHostReservationRequest, PurchaseHostReservationResult>",
  "asyncReturnType" : "PurchaseHostReservationResult",
  "authenticated" : true,
  "deprecated" : false,
Purchase a reservation with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation. This action results in the specified reservation being purchased and charged to your account.

PurchaseReservedInstancesOffering

Purchases a Reserved Instance for use with your account. With Reserved Instances, you pay a lower hourly rate compared to On-Demand instance pricing.

Use DescribeReservedInstancesOfferings to get a list of Reserved Instance offerings that match your specifications. After you've purchased a Reserved Instance, you can check for your new Reserved Instance with DescribeReservedInstances.

For more information, see the Amazon Elastic Compute Cloud User Guide.
"inputStreamPropertyName" : null,
"methodName" : "purchaseReservedInstancesOffering",
"operationName" : "PurchaseReservedInstancesOffering",
"returnType" : {
    "returnType" : "PurchaseReservedInstancesOfferingResult",
    "documentation" : "<p>Contains the output of PurchaseReservedInstancesOffering.</p>",
},
"syncReturnType" : "PurchaseReservedInstancesOfferingResult"
},
"PurchaseScheduledInstances" : {
    "asyncCallableType" : "java.util.concurrent.Callable<PurchaseScheduledInstancesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<PurchaseScheduledInstancesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<PurchaseScheduledInstancesRequest, PurchaseScheduledInstancesResult>",
    "asyncReturn_type" : "PurchaseScheduledInstancesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Purchases one or more Scheduled Instances with the specified schedule.</p>
<p>Scheduled Instances enable you to purchase Amazon EC2 compute capacity by the hour for a one-year term. Before you can purchase a Scheduled Instance, you must call <a>DescribeScheduledInstanceAvailability</a> to check for available schedules and obtain a purchase token. After you purchase a Scheduled Instance, you must call <a>RunScheduledInstances</a> during each scheduled time period. After you purchase a Scheduled Instance, you can't cancel, modify, or resell your purchase.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "PurchaseScheduledInstancesRequest",
        "variableName" : "purchaseScheduledInstancesRequest",
        "variableType" : "PurchaseScheduledInstancesRequest",
        "documentation" : "<p>Contains the parameters for PurchaseScheduledInstances.</p>",
        "simpleType" : "PurchaseScheduledInstancesRequest",
        "variableSetterType" : "PurchaseScheduledInstancesRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "purchaseScheduledInstances",
    "operationName" : "PurchaseScheduledInstances",
    "returnType" : {
        "returnType" : "PurchaseScheduledInstancesResult",
        "documentation" : "<p>Contains the output of PurchaseScheduledInstances.</p>",
    },
    "syncReturnType" : "PurchaseScheduledInstancesResult"
},
"RebootInstances" : {
    "asyncCallableType" : "java.util.concurrent.Callable<RebootInstancesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<RebootInstancesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<RebootInstancesRequest, RebootInstancesResult>",
}
"asyncReturnType" : "RebootInstancesResult",
"authenticated" : true,
"deprecated" : false,

"documentation" : "<p>Requests a reboot of one or more instances. This operation is asynchronous; it only queues a request to reboot the specified instances. The operation succeeds if the instances are valid and belong to you. Requests to reboot terminated instances are ignored.</p> If an instance does not cleanly shut down within four minutes, Amazon EC2 performs a hard reboot. For more information about troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-console.html">Getting Console Output and Rebooting Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "RebootInstancesRequest",
  "variableName" : "rebootInstancesRequest",
  "variableType" : "RebootInstancesRequest",
  "documentation" : "Contains the parameters for RebootInstances.",
  "simpleType" : "RebootInstancesRequest",
  "variableSetterType" : "RebootInstancesRequest"
},

"inputStreamPropertyName" : null,
"methodName" : "rebootInstances",
"operationName" : "RebootInstances",
"returnType" : {
  "returnType" : "RebootInstancesResult",
  "documentation" : null
},
"syncReturnType" : "RebootInstancesResult"

"RegisterImage" : {
  "asyncCallableType" : "java.util.concurrent.Callable<RegisterImageResult>",
  "asyncFutureType" : "java.util.concurrent.Future<RegisterImageResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<RegisterImageRequest, RegisterImageResult>",
  "asyncReturnType" : "RegisterImageResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Registers an AMI. When you're creating an AMI, this is the final step you must complete before you can launch an instance from the AMI. For more information about creating AMIs, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami.html">Creating Your Own AMIs</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;note&gt; &lt;p&gt;For Amazon EBS-backed instances, &lt;a&gt;CreateImage&lt;/a&gt; creates and registers the AMI in a single request, so you don't have to register the AMI yourself.&lt;/p&gt; &lt;/note&gt; &lt;p&gt;You can also use &lt;code&gt;RegisterImage&lt;/code&gt; to create an Amazon EBS-backed Linux AMI from a snapshot of a root device volume. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_LaunchingInstanceFromSnapshot.html">Launching an Instance from a Snapshot</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;important&gt; &lt;p&gt;Some Linux distributions, such as Red Hat Enterprise Linux (RHEL) and SUSE Linux Enterprise Server (SLES), use the EC2 &lt;code&gt;billingProduct&lt;/code&gt; code associated with an AMI to verify subscription status for package updates. Creating an AMI from an EBS snapshot does not maintain this billing code, and subsequent
instances launched from such an AMI will not be able to connect to package update infrastructure.</p>
<br>
<p>Similarly, although you can create a Windows AMI from a snapshot, you can't successfully launch an instance from the AMI. To create Windows AMIs or to create AMIs for Linux operating systems that must retain AMI billing codes to work properly, see &lt;a&gt;CreateImage&lt;/a&gt;.</p>
<br>
<p>If needed, you can deregister an AMI at any time. Any modifications you make to an AMI backed by an instance store volume invalidates its registration. If you make changes to an image, deregister the previous image and register the new image.</p>
<br>
<p>You can't register an image where a secondary (non-root) snapshot has AWS Marketplace product codes.</p>

```
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "RegisterImageRequest",
  "variableName" : "registerImageRequest",
  "variableType" : "RegisterImageRequest",
  "documentation" : "Contains the parameters for RegisterImage.",
  "simpleType" : "RegisterImageRequest",
  "variableSetterType" : "RegisterImageRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "registerImage",
"operationName" : "RegisterImage",
"returnType" : {
  "returnType" : "RegisterImageResult",
  "documentation" : "Contains the output of RegisterImage.
",
  "syncReturnType" : "RegisterImageResult"
},
"RejectVpcPeeringConnection" : {
  "asyncCallableType" : "java.util.concurrent.Callable&lt;RejectVpcPeeringConnectionResult&gt;",
  "asyncFutureType" : "java.util.concurrent.Future&lt;RejectVpcPeeringConnectionResult&gt;",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler&lt;RejectVpcPeeringConnectionRequest, RejectVpcPeeringConnectionResult&gt;",
  "asyncReturnType" : "RejectVpcPeeringConnectionResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Rejects a VPC peering connection request. The VPC peering connection must be in the pending-acceptance state. Use the &lt;a&gt;DescribeVpcPeeringConnections&lt;/a&gt; request to view your outstanding VPC peering connection requests. To delete an active VPC peering connection, or to delete a VPC peering connection request that you initiated, use &lt;a&gt;DeleteVpcPeeringConnection&lt;/a&gt;.",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "RejectVpcPeeringConnectionRequest",
    "variableName" : "rejectVpcPeeringConnectionRequest",
    "variableType" : "RejectVpcPeeringConnectionRequest",
    "documentation" : "Contains the parameters for RejectVpcPeeringConnection.",
    "simpleType" : "RejectVpcPeeringConnectionRequest",
    "variableSetterType" : "RejectVpcPeeringConnectionRequest"
  }
```
"ReleaseAddress" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ReleaseAddressResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ReleaseAddressResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReleaseAddressRequest,
                            ReleaseAddressResult>",
    "asyncReturnType" : "ReleaseAddressResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "Releases the specified Elastic IP address. After releasing an Elastic IP address, it is released to the IP address pool and might be unavailable to you. Be sure to update your DNS records and any servers or devices that communicate with the address. If you attempt to release an Elastic IP address that you already released, you'll get an AuthFailure error if the address is already allocated to another AWS account. [EC2-Classic, default VPC] Releasing an Elastic IP address automatically disassociates it from any instance that it's associated with. To disassociate an Elastic IP address without releasing it, use DisassociateAddress. [Nondefault VPC] You must use DisassociateAddress to disassociate the Elastic IP address before you try to release it. Otherwise, Amazon EC2 returns an error (InvalidIPAddress.InUse).",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "ReleaseAddressRequest",
        "variableName" : "releaseAddressRequest",
        "variableType" : "ReleaseAddressRequest",
        "documentation" : "Contains the parameters for ReleaseAddress.",
        "simpleType" : "ReleaseAddressRequest",
        "variableSetterType" : "ReleaseAddressRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "releaseAddress",
    "operationName" : "ReleaseAddress",
    "returnType" : {
        "returnType" : "ReleaseAddressResult",
        "documentation" : null
    },
    "syncReturnType" : "ReleaseAddressResult"
},
"ReleaseHosts" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ReleaseHostsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ReleaseHostsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReleaseHostsRequest,
                             ReleaseHostsResult>",
    "asyncReturnType" : "ReleaseHostsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : ""
"asyncFutureType" : "java.util.concurrent.Future<ReleaseHostsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReleaseHostsRequest, ReleaseHostsResult>",
"asyncReturnType" : "ReleaseHostsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>When you no longer want to use an On-Demand Dedicated Host it can be released. On-Demand billing is stopped and the host goes into <code>released</code> state. The host ID of Dedicated Hosts that have been released can no longer be specified in another request, e.g., ModifyHosts. You must stop or terminate all instances on a host before it can be released.</p>
<p>When Dedicated Hosts are released, it make take some time for them to stop counting toward your limit and you may receive capacity errors when trying to allocate new Dedicated hosts. Try waiting a few minutes, and then try again.</p>
<p>Released hosts will still appear in a <a>DescribeHosts</a> response.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ReleaseHostsRequest",
  "variableName" : "releaseHostsRequest",
  "variableType" : "ReleaseHostsRequest",
  "documentation" : "<p>Contains the parameters for ReleaseHosts.</p>
  "simpleType" : "ReleaseHostsRequest",
  "variableSetterType" : "ReleaseHostsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "releaseHosts",
"operationName" : "ReleaseHosts",
"returnType" : {
  "returnType" : "ReleaseHostsResult",
  "documentation" : "<p>Contains the output of ReleaseHosts.</p>"
},
"syncReturnType" : "ReleaseHostsResult"
},
"ReplaceIamInstanceProfileAssociation" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ReplaceIamInstanceProfileAssociationResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ReplaceIamInstanceProfileAssociationResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceIamInstanceProfileAssociationRequest, ReplaceIamInstanceProfileAssociationResult>",
  "asyncReturnType" : "ReplaceIamInstanceProfileAssociationResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Replaces an IAM instance profile for the specified running instance. You can use this action to change the IAM instance profile that's associated with an instance without having to disassociate the existing IAM instance profile first.</p>
<p>Use <a>DescribeIamInstanceProfileAssociations</a> to get the association ID.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ReplaceIamInstanceProfileAssociationRequest",
  "variableName" : "replaceIamInstanceProfileAssociationRequest",
  "variableType" : "ReplaceIamInstanceProfileAssociationRequest",
  "variableSetterType" : "ReplaceIamInstanceProfileAssociationRequest"
}
"variableType" : "ReplaceIamInstanceProfileAssociationRequest",
"documentation" : "",
"simpleType" : "ReplaceIamInstanceProfileAssociationRequest",
"variableSetterType" : "ReplaceIamInstanceProfileAssociationRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "replaceIamInstanceProfileAssociation",
"operationName" : "ReplaceIamInstanceProfileAssociation",
"returnType" : {
  "returnType" : "ReplaceIamInstanceProfileAssociationResult",
  "documentation" : null
},
"syncReturnType" : "ReplaceIamInstanceProfileAssociationResult"
},
"ReplaceNetworkAclAssociation" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ReplaceNetworkAclAssociationResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ReplaceNetworkAclAssociationResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceNetworkAclAssociationRequest,
ReplaceNetworkAclAssociationResult>",
  "asyncReturnObject" : "ReplaceNetworkAclAssociationResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Changes which network ACL a subnet is associated with. By default when you create a
subnet, it's automatically associated with the default network ACL. For more information about network ACLs, see
&lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in
the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ReplaceNetworkAclAssociationRequest",
    "variableName" : "replaceNetworkAclAssociationRequest",
    "variableType" : "ReplaceNetworkAclAssociationRequest",
    "documentation" : "&lt;p&gt;Contains the parameters for ReplaceNetworkAclAssociation.&lt;/p&gt;",
    "simpleType" : "ReplaceNetworkAclAssociationRequest",
    "variableSetterType" : "ReplaceNetworkAclAssociationRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "replaceNetworkAclAssociation",
  "operationName" : "ReplaceNetworkAclAssociation",
  "returnType" : {
    "returnType" : "ReplaceNetworkAclAssociationResult",
    "documentation" : "&lt;p&gt;Contains the output of ReplaceNetworkAclAssociation.&lt;/p&gt;"
  },
  "syncReturnType" : "ReplaceNetworkAclAssociationResult"
},
"ReplaceNetworkAclEntry" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ReplaceNetworkAclEntryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ReplaceNetworkAclEntryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceNetworkAclEntryRequest,
ReplaceNetworkAclEntryResult>",
  "asyncReturnObject" : "ReplaceNetworkAclEntryResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Changes or deletes a network ACL entry. A network ACL entry is a set of
rules that determine which traffic is allowed from or to a VPC or subnet. A network ACL entry is
represented as an entry in a network ACL. A network ACL entry contains the following parameters:
- Protocol - The protocol number and type of the traffic to be allowed.
- Source - The IPv4 or IPv6 address of the traffic source.
- Destination - The IPv4 or IPv6 address of the traffic destination.
- Port - The port number and type of the traffic to be allowed.
- Action - The action to be taken when traffic matches the rule. For more information about
network ACL entries, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in
the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ReplaceNetworkAclEntryRequest",
    "variableName" : "replaceNetworkAclEntryRequest",
    "variableType" : "ReplaceNetworkAclEntryRequest",
    "documentation" : "&lt;p&gt;Contains the parameters for ReplaceNetworkAclEntry.&lt;/p&gt;",
    "simpleType" : "ReplaceNetworkAclEntryRequest",
    "variableSetterType" : "ReplaceNetworkAclEntryRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "replaceNetworkAclEntry",
  "operationName" : "ReplaceNetworkAclEntry",
  "returnType" : {
    "returnType" : "ReplaceNetworkAclEntryResult",
    "documentation" : "&lt;p&gt;Contains the output of ReplaceNetworkAclEntry.&lt;/p&gt;"
  },
  "syncReturnType" : "ReplaceNetworkAclEntryResult"
}
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceNetworkAclEntryRequest,
ReplaceNetworkAclEntryResult>",
"asyncReturnType" : "ReplaceNetworkAclEntryResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Replaces an entry (rule) in a network ACL. For more information about network ACLs,
see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ReplaceNetworkAclEntryRequest",
  "variableName" : "replaceNetworkAclEntryRequest",
  "variableType" : "ReplaceNetworkAclEntryRequest",
  "documentation" : "<p>Contains the parameters for ReplaceNetworkAclEntry.</p>",
  "simpleType" : "ReplaceNetworkAclEntryRequest",
  "variableSetterType" : "ReplaceNetworkAclEntryRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "replaceNetworkAclEntry",
"operationName" : "ReplaceNetworkAclEntry",
"returnType" : {"returnType" : "ReplaceNetworkAclEntryResult", 
  "documentation" : null
},
"syncReturnType" : "ReplaceNetworkAclEntryResult"
},
"ReplaceRoute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ReplaceRouteResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ReplaceRouteResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceRouteRequest, ReplaceRouteResult>",
  "asyncReturnType" : "ReplaceRouteResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Replaces an existing route within a route table in a VPC. You must provide only one of
the following: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection,
network interface, or egress-only Internet gateway.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in
the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ReplaceRouteRequest",
    "variableName" : "replaceRouteRequest",
    "variableType" : "ReplaceRouteRequest",
    "documentation" : "<p>Contains the parameters for ReplaceRoute.</p>",
    "simpleType" : "ReplaceRouteRequest",
    "variableSetterType" : "ReplaceRouteRequest"
Changes the route table associated with a given subnet in a VPC. After the operation completes, the subnet uses the routes in the new route table it's associated with. For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. You can also use ReplaceRouteTableAssociation to change which table is the main route table in the VPC. You just specify the main route table's association ID and the route table to be the new main route table.

Exceptions: null,
"asyncReturnType" : "ReportInstanceStatusResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Submits feedback about the status of an instance. The instance must be in the running state. If your experience with the instance differs from the instance status returned by DescribeInstanceStatus, use ReportInstanceStatus to report your experience with the instance. Amazon EC2 collects this information to improve the accuracy of status checks. Use of this action does not change the value returned by DescribeInstanceStatus.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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  "variableName" : "reportInstanceStatusRequest",
  "variableType" : "ReportInstanceStatusRequest",
  "documentation" : "Contains the parameters for ReportInstanceStatus.",
  "simpleType" : "ReportInstanceStatusRequest",
  "variableSetterType" : "ReportInstanceStatusRequest"
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"inputStreamPropertyName" : null,
"methodName" : "reportInstanceStatus",
"operationName" : "ReportInstanceStatus",
"returnType" : {
  "returnType" : "ReportInstanceStatusResult",
  "documentation" : null
},
"syncReturnType" : "ReportInstanceStatusResult"}
"variableName": "requestSpotFleetRequest",
"variableType": "RequestSpotFleetRequest",
"documentation": "<p>Contains the parameters for RequestSpotFleet.</p>",
"simpleType": "RequestSpotFleetRequest",
"variableSetterType": "RequestSpotFleetRequest"
},
"inputStreamPropertyName": null,
"methodName": "requestSpotFleet",
"operationName": "RequestSpotFleet",
"returnType": {
"returnType": "RequestSpotFleetResult",
"documentation": "<p>Contains the output of RequestSpotFleet.</p>"
},
"syncReturnType": "RequestSpotFleetResult"
},
"RequestSpotInstances": {
"asyncCallableType": "java.util.concurrent.Callable<RequestSpotInstancesResult>",
"asyncFutureType": "java.util.concurrent.Future<RequestSpotInstancesResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<RequestSpotInstancesRequest, RequestSpotInstancesResult>",
"asyncReturnType": "RequestSpotInstancesResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Creates a Spot instance request. Spot instances are instances that Amazon EC2 launches when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot Instance capacity and current Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-requests.html">Spot Instance Requests</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "RequestSpotInstancesRequest",
"variableName": "requestSpotInstancesRequest",
"variableType": "RequestSpotInstancesRequest",
"documentation": "<p>Contains the parameters for RequestSpotInstances.</p>",
"simpleType": "RequestSpotInstancesRequest",
"variableSetterType": "RequestSpotInstancesRequest"
},
"inputStreamPropertyName": null,
"methodName": "requestSpotInstances",
"operationName": "RequestSpotInstances",
"returnType": {
"returnType": "RequestSpotInstancesResult",
"documentation": "<p>Contains the output of RequestSpotInstances.</p>"
},
"syncReturnType": "RequestSpotInstancesResult"
},
"ResetImageAttribute": {
"asyncCallableType" : "java.util.concurrent.Callable<ResetImageAttributeResult>",
"asyncFutureType" : "java.util.concurrent.Future<ResetImageAttributeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ResetImageAttributeRequest,
ResetImageAttributeResult>",
"asyncReturnType" : "ResetImageAttributeResult",
"asyncReturnCallable" : "ResetImageAttributeResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Resets an attribute of an AMI to its default value. </p> <note> <p>The productCodes attribute can't be reset. </p> 
</note>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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    "variableType" : "ResetImageAttributeRequest",
    "documentation" : "<p>Contains the parameters for ResetImageAttribute. </p>
"simpleType" : "ResetImageAttributeRequest",
    "variableSetterType" : "ResetImageAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "resetImageAttribute",
"operationName" : "ResetImageAttribute",
"returnType" : {
    "returnType" : "ResetImageAttributeResult",
    "documentation" : null
},
"syncReturnType" : "ResetImageAttributeResult"
}

"ResetInstanceAttribute" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ResetInstanceAttributeResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ResetInstanceAttributeResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ResetInstanceAttributeRequest,
ResetInstanceAttributeResult>",
    "asyncReturnCallable" : "ResetInstanceAttributeResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Resets an attribute of an instance to its default value. To reset the <code>kernel</code> or <code>ramdisk</code>, the instance must be in a stopped state. To reset the <code>sourceDestCheck</code>, the instance can be either running or stopped. </p> <p>The <code>sourceDestCheck</code> attribute controls whether source/destination checking is enabled. The default value is <code>true</code>, which means checking is enabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. </p>
"exceptions" : null,
    "hasBlobMemberAsPayload" : false,
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        "variableName" : "resetInstanceAttributeRequest",
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        "documentation" : "<p>Contains the parameters for ResetInstanceAttribute. </p>
"simpleType" : "ResetInstanceAttributeRequest",
        "variableSetterType" : "ResetInstanceAttributeRequest"
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    "methodName" : "resetInstanceAttribute",
    "operationName" : "ResetInstanceAttribute",
    "returnType" : {
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        "documentation" : null
    },
    "syncReturnType" : "ResetInstanceAttributeResult"}
"variableType": "ResetInstanceAttributeRequest",
"documentation": "<p>Contains the parameters for ResetInstanceAttribute.</p>",
"simpleType": "ResetInstanceAttributeRequest",
"variableSetterType": "ResetInstanceAttributeRequest"
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"inputStreamPropertyName": null,
"methodName": "resetInstanceAttribute",
"operationName": "ResetInstanceAttribute",
"returnType": {
 "returnType": "ResetInstanceAttributeResult",
 "documentation": null
 }
"syncReturnType": "ResetInstanceAttributeResult"
]
"ResetNetworkInterfaceAttribute": {
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 "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ResetNetworkInterfaceAttributeRequest, ResetNetworkInterfaceAttributeResult>",
 "asyncReturnType": "ResetNetworkInterfaceAttributeResult",
 "authenticated": true,
 "deprecated": false,
 "documentation": "<p>Resets a network interface attribute. You can specify only one attribute at a time.</p>",
 "exceptions": null,
 "hasBlobMemberAsPayload": false,
 "input": {
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 "variableName": "resetNetworkInterfaceAttributeRequest",
 "variableType": "ResetNetworkInterfaceAttributeRequest",
 "documentation": "<p>Contains the parameters for ResetNetworkInterfaceAttribute.</p>",
 "simpleType": "ResetNetworkInterfaceAttributeRequest",
 "variableSetterType": "ResetNetworkInterfaceAttributeRequest"
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"inputStreamPropertyName": null,
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"operationName": "ResetNetworkInterfaceAttribute",
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 "returnType": "ResetNetworkInterfaceAttributeResult",
 "documentation": null
 }
"syncReturnType": "ResetNetworkInterfaceAttributeResult"
]
"ResetSnapshotAttribute": {
 "asyncCallableType": "java.util.concurrent.Callable<ResetSnapshotAttributeResult>",
 "asyncFutureType": "java.util.concurrent.Future<ResetSnapshotAttributeResult>",
 "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ResetSnapshotAttributeRequest, ResetSnapshotAttributeResult>",
 "asyncReturnType": "ResetSnapshotAttributeResult",
 "authenticated": true,
 "deprecated": false,
 "documentation": "<p>Resets a snapshot attribute. You can specify only one attribute at a time.</p>",
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 "hasBlobMemberAsPayload": false,
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 "variableName": "resetSnapshotAttributeRequest",
 "variableType": "ResetSnapshotAttributeRequest",
 "documentation": "<p>Contains the parameters for ResetSnapshotAttribute.</p>",
 "simpleType": "ResetSnapshotAttributeRequest",
 "variableSetterType": "ResetSnapshotAttributeRequest"
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"inputStreamPropertyName": null,
"methodName": "resetSnapshotAttribute",
"operationName": "ResetSnapshotAttribute",
"returnType": {
 "returnType": "ResetSnapshotAttributeResult",
 "documentation": null
 }
"syncReturnType": "ResetSnapshotAttributeResult"
"authenticated": true,
"deprecated": false,
"documentation": "<p>Resets permission settings for the specified snapshot.</p>
For more information on modifying snapshot permissions, see
<i>Amazon Elastic Compute Cloud User Guide</i>.
";

"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
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  "variableType": "ResetSnapshotAttributeRequest",
  "documentation": "Contains the parameters for ResetSnapshotAttribute.";
  "simpleType": "ResetSnapshotAttributeRequest",
  "variableSetterType": "ResetSnapshotAttributeRequest"
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"inputStreamPropertyName": null,
"methodName": "resetSnapshotAttribute",
"operationName": "ResetSnapshotAttribute",
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  "returnType": "ResetSnapshotAttributeResult",
  "documentation": null
},
"syncReturnType": "ResetSnapshotAttributeResult"
},
"RestoreAddressToClassic": {
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  "asyncFutureType": "java.util.concurrent.Future<RestoreAddressToClassicResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<RestoreAddressToClassicRequest, RestoreAddressToClassicResult>",
  "asyncReturnType": "RestoreAddressToClassicResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "Restores an Elastic IP address that was previously moved to the EC2-VPC platform back to the EC2-Classic platform. You cannot move an Elastic IP address that was originally allocated for use in EC2-VPC. The Elastic IP address must not be associated with an instance or network interface.
";
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
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    "variableName": "restoreAddressToClassicRequest",
    "variableType": "RestoreAddressToClassicRequest",
    "documentation": "Contains the parameters for RestoreAddressToClassic.";
    "simpleType": "RestoreAddressToClassicRequest",
    "variableSetterType": "RestoreAddressToClassicRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "restoreAddressToClassic",
  "operationName": "RestoreAddressToClassic",
  "returnType": {
    "returnType": "RestoreAddressToClassicResult",
    "documentation": null
  }
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"operationName": "RestoreAddressToClassic",
"returnType": {
  "returnType": "RestoreAddressToClassicResult",
  "documentation": "<p>Contains the output of RestoreAddressToClassic.</p>"
},
"syncReturnType": "RestoreAddressToClassicResult"
],
"RevokeSecurityGroupEgress": {
  "asyncCallableType": "java.util.concurrent.Callable<RevokeSecurityGroupEgressResult>",
  "asyncFutureType": "java.util.concurrent.Future<RevokeSecurityGroupEgressResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<RevokeSecurityGroupEgressRequest,
RevokeSecurityGroupEgressResult>",
  "asyncReturnType": "RevokeSecurityGroupEgressResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>[EC2-VPC only] Removes one or more egress rules from a security group for EC2-VPC. This action doesn't apply to security groups for use in EC2-Classic. The values that you specify in the revoke request (for example, ports) must match the existing rule's values for the rule to be revoked.</p> <p>Each rule consists of the protocol and the IPv4 or IPv6 CIDR range or source security group. For the TCP and UDP protocols, you must also specify the destination port or range of ports. For the ICMP protocol, you must also specify the ICMP type and code.</p> <p>Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
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    "variableName": "revokeSecurityGroupEgressRequest",
    "variableType": "RevokeSecurityGroupEgressRequest",
    "documentation": "<p>Contains the parameters for RevokeSecurityGroupEgress.</p>"
  }
},
"RevokeSecurityGroupIngress": {
  "asyncCallableType": "java.util.concurrent.Callable<RevokeSecurityGroupIngressResult>",
  "asyncFutureType": "java.util.concurrent.Future<RevokeSecurityGroupIngressResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<RevokeSecurityGroupIngressRequest,
RevokeSecurityGroupIngressResult>",
  "asyncReturnType": "RevokeSecurityGroupIngressResult",
  "authenticated": true,
"deprecated": false,
"documentation": "<p>Removes one or more ingress rules from a security group. The values that you specify in the revoke request (for example, ports) must match the existing rule's values for the rule to be removed.</p>
<p>Each rule consists of the protocol and the CIDR range or source security group. For the TCP and UDP protocols, you must also specify the destination port or range of ports. For the ICMP protocol, you must also specify the ICMP type and code.</p> <p>Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur.</p>"},
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "RevokeSecurityGroupIngressRequest",
"variableName": "revokeSecurityGroupIngressRequest",
"variableType": "RevokeSecurityGroupIngressRequest",
"documentation": "<p>Contains the parameters for RevokeSecurityGroupIngress.</p>
"simpleType": "RevokeSecurityGroupIngressRequest",
"variableSetterType": "RevokeSecurityGroupIngressRequest"
},
"inputStreamPropertyName": null,
"methodName": "revokeSecurityGroupIngress",
"operationName": "RevokeSecurityGroupIngress",
"returnType": {
"returnType": "RevokeSecurityGroupIngressResult",
"documentation": null
},
"syncReturnType": "RevokeSecurityGroupIngressResult"
},
"RunInstances": {
"asyncCallableType": "java.util.concurrent.Callable<RunInstancesResult>",
"asyncFutureType": "java.util.concurrent.Future<RunInstancesResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<RunInstancesRequest, RunInstancesResult>",
"asyncReturnType": "RunInstancesResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Launches the specified number of instances using an AMI for which you have permissions. </p>
<p>You can specify a number of options, or leave the default options. The following rules apply:</p> <ul>
<li>[EC2-VPC] If you don’t specify a subnet ID, we choose a default subnet from your default VPC for you. If you don’t have a default VPC, you must specify a subnet ID in the request.</li>
<li>[EC2-Classic] If you don’t specify an Availability Zone, we choose one for you.</li>
<li>Some instance types must be launched into a VPC. If you do not have a default VPC, or if you do not specify a subnet ID, the request fails. For more information, see <a href="http://docs.aws.amazon.com/EC2/latest/UserGuide/using-vpc.html#vpc-only-instance-types">Instance Types Available Only in a VPC</a>.</li>
<li>All instances have a network interface with a primary private IPv4 address. If you don’t specify this address, we choose one from the IPv4 range of your subnet.</li>
<li>If any of the AMIs have a product code attached for which the user has not subscribed, the request fails.</li>
<li>To ensure faster instance launches, break up large
requests into smaller batches. For example, create 5 separate launch requests for 100 instances each instead of 1 launch request for 500 instances. An instance is ready for you to use when it’s in the running state. You can check the state of your instance using DescribeInstances. After launch, you can apply tags to your running instance (requires a resource ID). For more information, see CreateTags and Tagging Your Amazon EC2 Resources. Linux instances have access to the public key of the key pair at boot. You can use this key to provide secure access to the instance. Amazon EC2 public images use this feature to provide secure access without passwords. For more information, see Key Pairs in the Amazon Elastic Compute Cloud User Guide. For troubleshooting, see What To Do If An Instance Immediately Terminates and Troubleshooting Connecting to Your Instance in the Amazon Elastic Compute Cloud User Guide. For troubleshooting, see What To Do If An Instance Immediately Terminates and Troubleshooting Connecting to Your Instance in the Amazon Elastic Compute Cloud User Guide.
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "RunScheduledInstancesRequest",
  "variableName": "runScheduledInstancesRequest",
  "variableType": "RunScheduledInstancesRequest",
  "documentation": "<p>Contains the parameters for RunScheduledInstances.</p>",
  "simpleType": "RunScheduledInstancesRequest",
  "variableSetterType": "RunScheduledInstancesRequest"
},
"inputStreamPropertyName": null,
"methodName": "runScheduledInstances",
"operationName": "RunScheduledInstances",
"returnType": {
  "returnType": "RunScheduledInstancesResult",
  "documentation": "<p>Contains the output of RunScheduledInstances.</p>",
  "syncReturnType": "RunScheduledInstancesResult"
},
"StartInstances": {
  "asyncCallableType": "java.util.concurrent.Callable<StartInstancesResult>",
  "asyncFutureType": "java.util.concurrent.Future<StartInstancesResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<StartInstancesRequest, StartInstancesResult>",
  "asyncReturnType": "StartInstancesResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Starts an Amazon EBS-backed AMI that you've previously stopped.</p>
  <p>Instances that use Amazon EBS volumes as their root devices can be quickly stopped and started. When an instance is stopped, the compute resources are released and you are not billed for hourly instance usage. However, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. You can restart your instance at any time. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.</p>
  <p>Before stopping an instance, make sure it is in a state from which it can be restarted. Stopping an instance does not preserve data stored in RAM.</p>
  <p>Performing this operation on an instance that uses an instance store as its root device returns an error.</p>
  <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Stop_Start.html">Stopping Instances</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "StartInstancesRequest",
    "variableName": "startInstancesRequest",
    "variableType": "StartInstancesRequest",
    "documentation": "<p>Contains the parameters for StartInstances.</p>",
    "simpleType": "StartInstancesRequest",
    "variableSetterType": "StartInstancesRequest"
  },
  "inputStreamPropertyName": null,
"methodName" : "startInstances",
"operationName" : "StartInstances",
"returnType" : {
  "returnType" : "StartInstancesResult",
  "documentation" : "<p>Contains the output of StartInstances.</p>"
},
"syncReturnType" : "StartInstancesResult"
},
"StopInstances" : {
  "asyncCallableType" : "java.util.concurrent.Callable<StopInstancesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<StopInstancesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<StopInstancesRequest, StopInstancesResult>",
  "asyncReturnType" : "StopInstancesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Stops an Amazon EBS-backed instance.</p> <p>We don't charge hourly usage for a stopped instance, or data transfer fees; however, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.</p> <p>You can't start or stop Spot instances, and you can't stop instance store-backed instances.</p> <p>When you stop an instance, we shut it down. You can restart your instance at any time. Before stopping an instance, make sure it is in a state from which it can be restarted. Stopping an instance does not preserve data stored in RAM.</p> <p>Stopping an instance is different from rebooting or terminating it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, the root device and any other devices attached during the instance launch are automatically deleted. For more information about the differences between rebooting, stopping, and terminating instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>When you stop an instance, we attempt to shut it down forcibly after a short while. If your instance appears stuck in the stopping state after a period of time, there may be an issue with the underlying host computer. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesStopping.html">Troubleshooting Stopping Your Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "StopInstancesRequest",
    "variableName" : "stopInstancesRequest",
    "variableType" : "StopInstancesRequest",
    "documentation" : "<p>Contains the parameters for StopInstances.</p>"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "stopInstances",
  "operationName" : "StopInstances",
  "returnType" : {
    "returnType" : "StopInstancesResult",
    "documentation" : "<p>Contains the output of StopInstances.</p>"
"TerminateInstances" : {
    "asyncCallableType" : "java.util.concurrent.Callable<TerminateInstancesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<TerminateInstancesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<TerminateInstancesRequest, TerminateInstancesResult>",
    "asyncReturnType" : "TerminateInstancesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "Shuts down one or more instances. This operation is idempotent; if you terminate an instance more than once, each call succeeds. If you specify multiple instances and the request fails (for example, because of a single incorrect instance ID), none of the instances are terminated.
By default, Amazon EC2 deletes all EBS volumes that were attached when the instance launched. Volumes attached after instance launch continue running.
You can stop, start, and terminate EBS-backed instances. You can only terminate instance store-backed instances. What happens to an instance differs if you stop it or terminate it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, any attached EBS volumes with the <code>DeleteOnTermination</code> block device mapping parameter set to <code>true</code> are automatically deleted. For more information about the differences between stopping and terminating instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle</a> in the Amazon Elastic Compute Cloud User Guide. For more information about troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesShuttingDown.html">Troubleshooting Terminating Your Instance</a> in the Amazon Elastic Compute Cloud User Guide.",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableName" : "terminateInstancesRequest",
        "variableType" : "TerminateInstancesRequest",
        "documentation" : "Contains the parameters for TerminateInstances.",
        "simpleType" : "TerminateInstancesRequest",
        "variableSetterType" : "TerminateInstancesRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "terminateInstances",
    "operationName" : "TerminateInstances",
    "returnType" : {
        "returnType" : "TerminateInstancesResult",
        "documentation" : "Contains the output of TerminateInstances.",
    }
},
"syncReturnType" : "TerminateInstancesResult"},

"UnassignIpv6Addresses" : {
    "asyncCallableType" : "java.util.concurrent.Callable<UnassignIpv6AddressesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<UnassignIpv6AddressesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UnassignIpv6AddressesRequest, UnassignIpv6AddressesResult>",
    "asyncReturnType" : "UnassignIpv6AddressesResult",
    "authenticated" : true,
    "deprecated" : false,
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UnassignIpv6AddressesRequest, UnassignIpv6AddressesResult>",
"asyncReturnType" : "UnassignIpv6AddressesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Unassigns one or more IPv6 addresses from a network interface.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "UnassignIpv6AddressesRequest",
  "variableName" : "unassignIpv6AddressesRequest",
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  "documentation" : "",
  "simpleType" : "UnassignIpv6AddressesRequest",
  "variableSetterType" : "UnassignIpv6AddressesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "unassignIpv6Addresses",
"operationName" : "UnassignIpv6Addresses",
"returnType" : {
  "returnType" : "UnassignIpv6AddressesResult",
  "documentation" : null
},
"syncReturnType" : "UnassignIpv6AddressesResult"
},
"UnassignPrivateIpAddresses" : {
  "asyncCallableType" : "java.util.concurrent.Callable<UnassignPrivateIpAddressesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<UnassignPrivateIpAddressesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UnassignPrivateIpAddressesRequest, UnassignPrivateIpAddressesResult>",
  "asyncReturnType" : "UnassignPrivateIpAddressesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Unassigns one or more secondary private IP addresses from a network interface.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "UnassignPrivateIpAddressesRequest",
    "variableName" : "unassignPrivateIpAddressesRequest",
    "variableType" : "UnassignPrivateIpAddressesRequest",
    "documentation" : "<p>Contains the parameters for UnassignPrivateIpAddresses.</p>",
    "simpleType" : "UnassignPrivateIpAddressesRequest",
    "variableSetterType" : "UnassignPrivateIpAddressesRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "unassignPrivateIpAddresses",
  "operationName" : "UnassignPrivateIpAddresses",
  "returnType" : {
    "returnType" : "UnassignPrivateIpAddressesResult",
    "documentation" : null
  },
  "syncReturnType" : "UnassignPrivateIpAddressesResult"}
"returnType" : "UnassignPrivateIpAddressesResult",
"documentation" : null,
},
"syncReturnType" : "UnassignPrivateIpAddressesResult"
},
"UnmonitorInstances" : {
"asyncCallableType" : "java.util.concurrent.Callable<UnmonitorInstancesResult>",
"asyncFutureType" : "java.util.concurrent.Future<UnmonitorInstancesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UnmonitorInstancesRequest,
UnmonitorInstancesResult>",
"asyncReturnType" : "UnmonitorInstancesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Disables detailed monitoring for a running instance. For more information, see the Amazon Elastic Compute Cloud User Guide in the Amazon Elastic Compute Cloud User Guide."
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "UnmonitorInstancesRequest",
"variableName" : "unmonitorInstancesRequest",
"variableType" : "UnmonitorInstancesRequest",
"documentation" : "Contains the parameters for UnmonitorInstances."
},
"inputStreamPropertyName" : null,
"methodName" : "unmonitorInstances",
"operationName" : "UnmonitorInstances",
"returnType" : {
"returnType" : "UnmonitorInstancesResult",
"documentation" : "Contains the output of UnmonitorInstances."
},
"syncReturnType" : "UnmonitorInstancesResult"
},
"shapes" : {
"AcceptReservedInstancesExchangeQuoteRequest" : {
"c2jName" : "AcceptReservedInstancesExchangeQuoteRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshallers" : false
},
"deprecated" : false,
"documentation" : "Contains the parameters for accepting the quote."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "AcceptReservedInstancesExchangeQuote",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "ReservedInstanceIds",
  "c2jShape" : "ReservedInstanceIdSet",
  "deprecated" : false,
  "documentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.
  
  @param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.
  
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "withReservedInstanceIds",
  "getterDocumentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.
  
  @return The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.",
  "getterMethodName" : "getReservedInstanceIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstanceId",
    "uri" : false
  }
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : [ 
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : [ 
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : [ 
      "returnType" : "String",
      "documentation" : null
    ],
    "http" : [ 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ReservedInstanceId",
      "uri" : false
    ],
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : [ 
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : ""
    ],
  ]
]
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceIds",
"setterDocumentation" : "/**
The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.
*/
@param reservedInstanceIds
The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.*/",
"setterMethodName" : "setReservedInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"varargSetterDocumentation" : "/**
The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.
*/
NOTE: This method appends the values to the existing list (if any). Use { @link #setReservedInstanceIds(java.util.Collection) } or { @link

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#withReservedInstanceIds(java.util.Collection) if you want to override the existing values.

@method withReservedInstanceIds

The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.

@method return

Returns a reference to this object so that method calls can be chained together.

```

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "reservedInstanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.

    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
},
"c2jName" : "TargetConfigurations",
"c2jShape" : "TargetConfigurationRequestSet",
"deprecated" : false,
"documentation" : "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.

    "enumType" : null,
    "fluentSetterDocumentation" : "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.

    "getterMethodName" : "getTargetConfigurations",
    "getterModel" : {
        "returnType" : "java.util.List<TargetConfigurationRequest>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "TargetConfiguration",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "TargetConfiguration",
        "uri" : false
    }
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "TargetConfigurationRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "TargetConfigurationRequest",
      "documentation" : null
    }},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TargetConfigurationRequest",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "TargetConfigurationRequest",
    "uri" : false
  }},
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member
   * @return */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "TargetConfigurationRequest",
    "variableName" : "member",
    "variableType" : "TargetConfigurationRequest"}
"documentation" : "",
"simpleType" : "TargetConfigurationRequest",
"variableSetterType" : "TargetConfigurationRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "TargetConfigurationRequest",
  "variableName" : "member",
  "variableType" : "TargetConfigurationRequest",
  "documentation" : "",
  "simpleType" : "TargetConfigurationRequest",
  "variableSetterType" : "TargetConfigurationRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "TargetConfigurationRequest",
"memberType" : "TargetConfigurationRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TargetConfigurationRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
"templateType" : "java.util.List<TargetConfigurationRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurations",
"setterDocumentation" : "/**
@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.*/",
"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<TargetConfigurationRequest>",
  "documentation" : "",
  "simpleType" : "List<TargetConfigurationRequest>",
  "variableSetterType" : "java.util.Collection<TargetConfigurationRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.*/

NOTE: This method appends the values to the existing list (if any). Use { @link setTargetConfigurations(java.util.Collection) } or { @link
#withTargetConfigurations(java.util.Collection) if you want to override the existing values.</p>

@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.

@return Returns a reference to this object so that method calls can be chained together.*/

```

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
    "variableName" : "targetConfigurations",
    "variableType" : "java.util.List<TargetConfigurationRequest>",
    "documentation" : "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange."
},

"xmlNameSpaceUri" : null
}

"membersAsMap" : {
    "ReservedInstanceIds" : {
        "c2jName" : "ReservedInstanceIds",
        "c2jShape" : "ReservedInstanceIdSet",
        "deprecated" : false,
        "documentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.

        "enumType" : null,
        "fluentSetterDocumentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.

        "fluentSetterMethodName" : "withReservedInstanceIds",
        "getterDocumentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.

        "getMethodName" : "getReservedInstanceIds",
        "getModel" : {
            "returnType" : "java.util.List<String>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "ReservedInstanceId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "ReservedInstanceId",
```

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"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallingLocationName" : "ReservedInstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallingLocationName" : "ReservedInstanceId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceIds",
"setterDocumentation" : "/**
<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>
@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.*/",
"setterMethodName" : "setReservedInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>The IDs of the Convertible Reserved Instances to exchange for other
NOTE: This method appends the values to the existing list (if any). Use { @link #setReservedInstanceIds(java.util.Collection) } or { @link #withReservedInstanceIds(java.util.Collection) } if you want to override the existing values.

@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : { 
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.

@return Returns a reference to this object so that method calls can be chained together.
",
  "complexType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
  "xmlNameSpaceUri" : null
},
  "TargetConfigurations" : { 
    "c2jName" : "TargetConfigurations",
    "c2jShape" : "TargetConfigurationRequestSet",
    "deprecated" : false,
    "documentation" : "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.

@return Returns a reference to this object so that method calls can be chained together.
",
    "enumType" : null,
    "fluentSetterDocumentation" : "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.

@return Returns a reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName" : "withTargetConfigurations",
    "getterDocumentation" : "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.

@return Returns a reference to this object so that method calls can be chained together.
",
    "getterMethodName" : "getTargetConfigurations",
    "getterModel" : { 
      "returnType" : "java.util.List<TargetConfigurationRequest>",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "TargetConfiguration",
      "queryString" : false,
"variableDeclarationType" : "TargetConfigurationRequest",
"variableName" : "member",
"variableType" : "TargetConfigurationRequest",
"documentation" : "",
"simpleType" : "TargetConfigurationRequest",
"variableSetterType" : "TargetConfigurationRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "TargetConfigurationRequest",
  "variableName" : "member",
  "variableType" : "TargetConfigurationRequest",
  "documentation" : "",
  "simpleType" : "TargetConfigurationRequest",
  "variableSetterType" : "TargetConfigurationRequest"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "TargetConfigurationRequest",
"memberType" : "TargetConfigurationRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TargetConfigurationRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
"templateType" : "java.util.List<TargetConfigurationRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurations",
"setterDocumentation" : "/**<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>\n@returns The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.*/",
"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<TargetConfigurationRequest>",
  "documentation" : "",
  "simpleType" : "List<TargetConfigurationRequest>",
  "variableSetterType" : "java.util.Collection<TargetConfigurationRequest>"
},
"simple" : false,
/**<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTargetConfigurations(java.util.Collection)} or {@link #withTargetConfigurations(java.util.Collection)} if you want to override the existing values.</p>
@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableName": "targetConfigurations",
  "variableType": "java.util.List<TargetConfigurationRequest>",
  "documentation": "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.",
  "simpleType": "List<TargetConfigurationRequest>",
  "variableSetterType": "java.util.Collection<TargetConfigurationRequest>",
  "xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": ["ReservedInstanceIds"],
"shapeName": "AcceptReservedInstancesExchangeQuoteRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "AcceptReservedInstancesExchangeQuoteRequest",
  "variableName": "acceptReservedInstancesExchangeQuoteRequest",
  "variableType": "AcceptReservedInstancesExchangeQuoteRequest",
  "documentation": null,
  "simpleType": "AcceptReservedInstancesExchangeQuoteRequest",
  "variableSetterType": "AcceptReservedInstancesExchangeQuoteRequest"
},
"wrapper": false
},
"AcceptReservedInstancesExchangeQuoteResult": {
  "c2jName": "AcceptReservedInstancesExchangeQuoteResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "The result of the exchange and whether it was <code>successful</code>.",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ExchangeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the successful exchange.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@returns The ID of the successful exchange.
*/",
  "fluentSetterMethodName" : "withExchangeId",
  "getterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@returns The ID of the successful exchange.
*/",
  "getterMethodName" : "getExchangeId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "ExchangeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "exchangeId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ExchangeId",
  "setterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@returns The ID of the successful exchange.
*/",
  "setterMethodName" : "setExchangeId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "exchangeId",
    "variableType" : "String",
    "documentation" : "",
  }
}]}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@param exchangeId The ID of the successful exchange.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The ID of the successful exchange.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"ExchangeId" : {
"c2jName" : "ExchangeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the successful exchange.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@param exchangeId The ID of the successful exchange.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withExchangeId",
"getterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@return The ID of the successful exchange.<br/>
"getterMethodName" : "getExchangeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
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"variableName" : "exchangeId",
"variableType" : "String",
"documentation" : "<p>The ID of the successful exchange.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}];
"uri" : false,
{idempotencyToken" : false,
"list" : false,
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"map" : false,
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"setterModel" : {

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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "<!--p--The ID of the successful exchange.--/p--\n@\param exchangeId  The ID of the successful exchange.--/p--\n\n@return Returns a reference to this object so that method calls can be chained together.--/p--",

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  "variableName" : "exchangeId",
  "variableType" : "String",
  "documentation" : "<!--p--The ID of the successful exchange.--/p--",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null

},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AcceptReservedInstancesExchangeQuoteResult",
"unmarshaller" : {

  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {

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  "variableName" : "acceptReservedInstancesExchangeQuoteResult",
  "variableType" : "AcceptReservedInstancesExchangeQuoteResult",
  "documentation" : null,
  "simpleType" : "AcceptReservedInstancesExchangeQuoteResult",

}
"variableSetterType" : "AcceptReservedInstancesExchangeQuoteResult",
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"wrapper" : false
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"AcceptVpcPeeringConnectionRequest" : {
"c2jName" : "AcceptVpcPeeringConnectionRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AcceptVpcPeeringConnection.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "AcceptVpcPeeringConnection",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "VpcPeeringConnectionId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>The ID of the VPC peering connection.</p>\n@param
vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcPeeringConnectionId",
  "getterDocumentation" : "<p>The ID of the VPC peering connection.</p>\n@return The ID of the VPC
peering connection.*/",
  "getterMethodName" : "getVpcPeeringConnectionId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
  }
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcPeeringConnectionId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcPeeringConnectionId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcPeeringConnectionId",
"setterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName": "setVpcPeeringConnectionId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "vpcPeeringConnectionId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableType": "String",
"documentation": ""<p>The ID of the VPC peering connection.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}].
"membersAsMap": {
"VpcPeeringConnectionId": {
"c2jName": "VpcPeeringConnectionId",
"c2jShape": "String",
"deprecated": false,
method calls can be chained together.*/",
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            "variableName" : "vpcPeeringConnectionId",
            "variableType" : "String",
            "documentation" : "<p>The ID of the VPC peering connection.</p>",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "xmlNameSpaceUri" : null
    },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "AcceptVpcPeeringConnectionRequest",
    "unmarshaller" : null,
    "variable" : {
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        "variableName" : "acceptVpcPeeringConnectionRequest",
        "variableType" : "AcceptVpcPeeringConnectionRequest",
        "documentation" : null,
        "simpleType" : "AcceptVpcPeeringConnectionRequest",
        "variableSetterType" : "AcceptVpcPeeringConnectionRequest"
    },
    "wrapper" : false
},
"AcceptVpcPeeringConnectionResult" : {
    "c2jName" : "AcceptVpcPeeringConnectionResult",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of AcceptVpcPeeringConnection.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
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        "c2jShape" : "VpcPeeringConnection",
        "deprecated" : false,
"documentation" : "<p>Information about the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnection",
"getterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@return Information about the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnection",
"getterModel" : {
"returnType" : "VpcPeeringConnection",
"documentation" : null
}
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnection",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnection",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnection",
"setterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnection",
"setterModel" : {
"variableDeclarationType" : "VpcPeeringConnection",
"variableName" : "vpcPeeringConnection",
"variableType" : "VpcPeeringConnection",
"documentation" : "",
"simpleType" : "VpcPeeringConnection",
"variableSetterType" : "VpcPeeringConnection"
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object
so that method calls can be chained together. */

    "variable": {
        "variableDeclarationType": "VpcPeeringConnection",
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        "variableType": "VpcPeeringConnection",
        "documentation": "<p>Information about the VPC peering connection.</p>",
        "simpleType": "VpcPeeringConnection",
        "variableSetterType": "VpcPeeringConnection"
    },
    "xmlNameSpaceUri": null
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"membersAsMap": {
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        "c2jShape": "VpcPeeringConnection",
        "deprecated": false,
        "documentation": "<p>Information about the VPC peering connection.</p>",
        "enumType": null,
        "fluentSetterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@returns {VpcPeeringConnection} Information about the VPC peering connection.

@memberOf VpcPeeringConnection

Returns a reference to this object so that method calls can be chained together. */
",
        "fluentSetterMethodName": "withVpcPeeringConnection",
        "getterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@returns {VpcPeeringConnection} Information about the VPC peering connection.*/
",
        "getMethod": {
            "returnType": "VpcPeeringConnection",
            "documentation": null
        },
        "http": {
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            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null,
            "marshallLocationName": "VpcPeeringConnection",
            "queryString": false,
            "statusCode": false,
            "unmarshallLocationName": "vpcPeeringConnection",
            "uri": false
        },
        "idempotencyToken": false,
        "list": false,
        "listModel": null,
        "map": false,
        "xmlNameSpaceUri": null
    }
}
"mapModel" : null,
"name" : "VpcPeeringConnection",
"setterDocumentation" : "/** Information about the VPC peering connection. */
@param vpcPeeringConnection Information about the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnection",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "vpcPeeringConnection",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/** Information about the VPC peering connection. */
@param vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "vpcPeeringConnection",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "Information about the VPC peering connection.
"
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AcceptVpcPeeringConnectionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "AcceptVpcPeeringConnectionResult",
  "variableName" : "acceptVpcPeeringConnectionResult",
  "variableType" : "AcceptVpcPeeringConnectionResult",
  "documentation" : null,
  "simpleType" : "AcceptVpcPeeringConnectionResult",
  "variableSetterType" : "AcceptVpcPeeringConnectionResult"
},
"wrapper" : false
},
"AccountAttribute" : {
  "c2jName" : "AccountAttribute"
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes an account attribute.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "AttributeName",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The name of the account attribute.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/*<p>The name of the account attribute.</p>
@<param attributeName The name of the account attribute.
@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName": "withAttributeName",
    "getterDocumentation": "/*<p>The name of the account attribute.</p>
@return The name of the account
attribute.*/",
    "getterMethodName": "getAttributeName",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "AttributeName",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "attributeName",
      "uri": false
    },
    "idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttributeName",
"setterDocumentation" : "/**<p>The name of the account attribute.</p>
@param attributeName The name of
the account attribute.*/",
"setterMethodName" : "setAttributeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attributeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the account attribute.</p>
@param attributeName The name of the account attribute.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attributeName",
  "variableType" : "String",
  "documentation" : "<p>The name of the account attribute.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "AttributeValues",
  "c2jShape" : "AccountAttributeValueList",
  "deprecated" : false,
  "documentation" : "<p>One or more values for the account attribute.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more values for the account attribute.</p>
@param attributeValues One or more values for the account attribute.
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withAttributeValues",
  "getterDocumentation" : "/**<p>One or more values for the account attribute.</p>
@return One or more values for the account attribute.*/",
  "getterMethodName" : "getAttributeValues",
  "getterModel" : {
    "returnType" : "java.util.List<AccountAttributeValue>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValueSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "AccountAttributeValue",
"deprecated" : false,
"documentation" : 
"" + getMember"
getterModel" : {
"returnType" : "AccountAttributeValue",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"implementation" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "attributeValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValueSet",
"uri" : false
},
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "attributeValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValueSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "AccountAttributeValue",
"deprecated" : false,
"documentation" : 
"" + getMember"
getterModel" : {
"returnType" : "AccountAttributeValue",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"implementation" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "attributeValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValueSet",
"uri" : false
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "attributeValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValueSet",
"uri" : false
},
"implementation" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "attributeValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValueSet",
"uri" : false
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "attributeValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValueSet",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "AccountAttributeValue",
  "variableName" : "member",
  "variableType" : "AccountAttributeValue",
  "documentation" : "",
  "simpleType" : "AccountAttributeValue",
  "variableSetterType" : "AccountAttributeValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "AccountAttributeValue",
  "documentation" : "",
  "simpleType" : "AccountAttributeValue",
  "variableSetterType" : "AccountAttributeValue"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "AccountAttributeValue",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AccountAttributeValue",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AccountAttributeValue>",
"templateType" : "java.util.List<AccountAttributeValue>"
},
"map" : false,
"mapModel" : null,
"name" : "AttributeValues",
"setterDocumentation" : "/**\n@param attributeValues
One or more values for the account attribute. */",
"setterMethodName" : "setAttributeValues",
"setterModel" : {
This method appends the values to the existing list (if any). Use [@link #setAttributeValues(java.util.Collection)] or [@link #withAttributeValues(java.util.Collection)] if you want to override the existing values.

```java
public void varargSetter(AccountAttributeValue... attributeValues)
```

One or more values for the account attribute.

```java
@return Returns a reference to this object so that method calls can be chained together.
```

```java
public String attributeName()
```

The name of the account attribute.

```java
public String getAttributeName()
```

The name of the account attribute.

```java
public void withAttributeName(String attributeName)
```

The name of the account attribute.

```java
public String AttributeName()
```

The name of the account attribute.

```java
public String getAttributeName()
```

The name of the account attribute.

```java
public void withAttributeName(String attributeName)
```

The name of the account attribute.

```java
public String attributeName()
```

The name of the account attribute.

```java
public String getAttributeName()
```

The name of the account attribute.

```java
public void withAttributeName(String attributeName)
```

The name of the account attribute.

```java
public String attributeName()
```

The name of the account attribute.

```java
public String getAttributeName()
```

The name of the account attribute.

```java
public void withAttributeName(String attributeName)
```

The name of the account attribute.

```java
public String attributeName()
```

The name of the account attribute.

```java
public String getAttributeName()
```

The name of the account attribute.

```java
public void withAttributeName(String attributeName)
```

The name of the account attribute.

```java
public String attributeName()
```

The name of the account attribute.

```java
public String getAttributeName()
```

The name of the account attribute.

```java
public void withAttributeName(String attributeName)
```

The name of the account attribute.

```java
public String attributeName()
```

The name of the account attribute.

```java
public String getAttributeName()
```

The name of the account attribute.

```java
public void withAttributeName(String attributeName)
```

The name of the account attribute.
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeName",
"uri" : false
}

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttributeName",
"setterDocumentation" : "/*<p>The name of the account attribute.</p>
@param attributeName The name of the account attribute.*/",
"setterMethodName" : "setAttributeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attributeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The name of the account attribute.</p>
@param attributeName The name of the account attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attributeName",
  "variableType" : "String",
  "documentation" : "<p>The name of the account attribute.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"AttributeValues" : {
  "c2jName" : "AttributeValues",
  "c2jShape" : "AccountAttributeValueList",
  "deprecated" : false,
  "documentation" : "<p>One or more values for the account attribute.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>One or more values for the account attribute.</p>
@param attributeValues One or more values for the account attribute.
@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName": "withAttributeValues",
"getterDocumentation": "/**<p>One or more values for the account attribute.</p>
@return One or more values for the account attribute.*/",
"getterMethodName": "getAttributeValues",
"getterModel": {
"returnType": "java.util.List<AccountAttributeValue>",
"documentation": null
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AttributeValueSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "attributeValueSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "AccountAttributeValue",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "AccountAttributeValue",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "AccountAttributeValue",
  "variableName": "member",
  "variableType": "AccountAttributeValue",
  "documentation": "",
  "simpleType": "AccountAttributeValue",
  "variableSetterType": "AccountAttributeValue"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "AccountAttributeValue",
  "variableName": "member",
  "variableType": "AccountAttributeValue",
  "documentation": "",
  "simpleType": "AccountAttributeValue",
  "variableSetterType": "AccountAttributeValue"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "AccountAttributeValue",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "AccountAttributeValue",}
"templateImplType": "com.amazonaws.internal.SdkInternalList<AccountAttributeValue>",
"templateType": "java.util.List<AccountAttributeValue>",
"map": false,
"mapModel": null,
"name": "AttributeValues",
"setterDocumentation": "/**\nOne or more values for the account attribute.
\n@param attributeValues
One or more values for the account attribute.*/",
"setterMethodName": "setAttributeValues",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<AccountAttributeValue>",
"variableName": "attributeValues",
"variableType": "java.util.List<AccountAttributeValue>",
"documentation": "",
"simpleType": "List<AccountAttributeValue>",
"variableSetterType": "java.util.Collection<AccountAttributeValue>"
},
"simple": false,
"varargSetterDocumentation": "/**\nOne or more values for the account attribute.
\nNOTE:\nThis method appends the values to the existing list (if any). Use [setAttributeValues(java.util.Collection)] or [withAttributeValues(java.util.Collection)] if you want to override the existing values.
\n@param attributeValues
One or more values for the account attribute.
\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<AccountAttributeValue>",
"variableName": "attributeValues",
"variableType": "java.util.List<AccountAttributeValue>",
"documentation": "One or more values for the account attribute.

One or more values for the account attribute.

This method appends the values to the existing list (if any). Use [setAttributeValues(java.util.Collection)] or [withAttributeValues(java.util.Collection)] if you want to override the existing values.

@param attributeValues
One or more values for the account attribute.

@return
Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "AccountAttribute",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "AccountAttribute",
"variableName": "accountAttribute",
"variableType": "AccountAttribute",
"documentation": null,
"simpleType": "AccountAttribute"}
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"variableSetterType": "AccountAttribute",

"wrapper": false

"AccountAttributeName": {
  "c2jName": "AccountAttributeName",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
    {
      "name": "SupportedPlatforms",
      "value": "supported-platforms"
    },
    {
      "name": "DefaultVpc",
      "value": "default-vpc"
    }
  ],
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": {},
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "AccountAttributeName",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  },
  "variable": {
    "variableDeclarationType": "AccountAttributeName",
    "variableName": "accountAttributeName",
    "variableType": "AccountAttributeName",
    "documentation": null,
    "simpleType": "AccountAttributeName",
    "variableSetterType": "AccountAttribute"
  },
  "wrapper": false
},

"AccountAttributeValue": {

}
"c2jName" : "AccountAttributeValue",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a value of an account attribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [
  {
    "c2jName" : "AttributeValue",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The value of the attribute.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The value of the attribute.</p>
     * @param attributeValue The value of the attribute.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAttributeValue",
    "getterDocumentation" : "/**<p>The value of the attribute.</p>
     * @return The value of the attribute.*/",
    "getterMethodName" : "getAttributeValue",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "AttributeValue",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "attributeValue",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AttributeValue",
"setterDocumentation": "/**<p>The value of the attribute.</p>
@param attributeValue The value of the attribute.</p>*/",
"setterMethodName": "setAttributeValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "attributeValue",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The value of the attribute.</p>
@param attributeValue The value of the attribute.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "attributeValue",
  "variableType": "String",
  "documentation": "<p>The value of the attribute.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "AttributeValue": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The value of the attribute.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The value of the attribute.</p>
@param attributeValue The value of the attribute.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName": "withAttributeValue",
    "getterDocumentation": "/**<p>The value of the attribute.</p>
@return The value of the attribute.</p>*/",
    "getterMethodName": "getAttributeValue",
    "getterModel": {
      "returnType": "String",
      "documentation": "null"
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
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"marshallLocationName" : "AttributeValue",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeValue",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttributeValue",
"setterDocumentation" : "/**<p>The value of the attribute.</p>
@param attributeValue The value of the attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAttributeValue",
"setterModel" : {
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  "variableName" : "attributeValue",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The value of the attribute.</p>
@param attributeValue The value of the attribute:
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "attributeValue",
  "variableType" : "String",
  "documentation" : "<p>The value of the attribute.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AccountAttributeValue",
"unmarshaller" : {
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**\n\n@param instanceType The instance type.*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param instanceType The instance type.
\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>\nThe instance type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null

"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>\nThe ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SpotInstanceRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot instance request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>*/
@param spotInstanceRequestId The ID of the Spot instance request.
@returns Returns a reference to this object so that method calls can be chained together.*/
",
  "fluentSetterMethodName" : "withSpotInstanceRequestId",
  "getterDocumentation" : "/**<p>The ID of the Spot instance request.</p>*/
@returns The ID of the Spot instance request.*/
",
  "getterMethodName" : "getSpotInstanceRequestId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotInstanceRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotInstanceRequestId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SpotInstanceRequestId",
  "setterDocumentation" : "/**<p>The ID of the Spot instance request.</p>*/
@returns The ID of the Spot instance request.*/
",
  "setterMethodName" : "setSpotInstanceRequestId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotInstanceRequestId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
"xmlNameSpaceUri" : null
}, { }
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotInstanceRequestId",
"variableType" : "String",
"documentation" : "<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceHealth",
"c2jShape" : "InstanceHealthStatus",
"deprecated" : false,
"documentation" : "<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p> 
@see InstanceHealthStatus*/",
"fluentSetterMethodName" : "withInstanceHealth",
"getterDocumentation" : "<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p> 
@see InstanceHealthStatus*/",
"getterMethodName" : "getInstanceHealth",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceHealth",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceHealth",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceHealth",
"setterDocumentation" : "/**<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p>
@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.
@see InstanceHealthStatus*/",
"setterMethodName" : "setInstanceHealth",
"setterModel" : {
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   "variableName" : "instanceHealth",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
  },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p>
@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.
@see InstanceHealthStatus*/",
"variable" : {
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   "variableName" : "instanceHealth",
   "variableType" : "String",
   "documentation" : "<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p>
@see InstanceHealthStatus*/",
"simple" : true,
"variableSetterType" : "String"}
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceHealth" : {
    "c2jName" : "InstanceHealth",
    "c2jShape" : "InstanceHealthStatus",
    "deprecated" : false,
    "documentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.",
    "enumType" : "InstanceHealthStatus",
    "fluentSetterDocumentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.",
    "fluentSetterMethodName" : "withInstanceHealth",
    "getterDocumentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.",
    "getterMethodName" : "getInstanceHealth",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceHealth",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceHealth",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceHealth",
"setterDocumentation" : "/** <p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p> 
@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>)

\n@see InstanceHealthStatus*/",
"setterMethodName" : "setInstanceHealth",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceHealth",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p> 
@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>)

\n@see InstanceHealthStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceHealth",
  "variableType" : "String",
  "documentation" : "<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>)

\n@see InstanceHealthStatus*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>

@param instanceId The ID of the instance.

@return Returns a reference to this object so that method calls can be chained together.)

@see InstanceId*/",
  "fluentSetterDocumentation" : "<p>The ID of the instance.</p>

@param instanceId The ID of the instance.

@return Returns a reference to this object so that method calls can be chained together.)

@see InstanceId*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "<p>The ID of the instance.</p>

@return The ID of the instance.)

@see InstanceId*/
"}
}
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*\n*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance type.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The instance type.</p>
   * @param instanceType The instance type.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**<p>The instance type.</p>
   * @return The instance type.*/",
  "getterMethodName" : "getInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceType",
  "setterDocumentation" : "/**<p>The instance type.</p>
   * @param instanceType The instance type.
   */",
  "setterMethodName" : "setInstanceType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "<p>The instance type.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"SpotInstanceRequestId" : {
"c2jName" : "SpotInstanceRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Spot instance request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotInstanceRequestId",
"getterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@return The ID of the Spot instance request.*/",
"getterMethodName" : "getSpotInstanceRequestId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotInstanceRequestId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"c2jName" : "Address",
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  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Describes an Elastic IP address.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance that the address is associated with (if any).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@parm instanceId The ID of the instance that the address is associated with (if any).
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@returns The ID of the instance that the address is associated with (if any).*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  }
}];
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : ",",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : <p>The ID of the instance that the address is associated with (if any).</p>,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "PublicIp",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Elastic IP address.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPublicIp",
  "getterDocumentation" : "/**<p>The Elastic IP address.</p>
@return The Elastic IP address.*/",
  "getterMethodName" : "getPublicIp",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false
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"mapModel" : null,
"name" : "PublicIp",
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@param publicIp The Elastic IP address.*/",
"setterMethodName" : "setPublicIp",
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  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "<p>The Elastic IP address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
}, {
  "c2jName" : "AllocationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID representing the allocation of the address for use with EC2-VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID representing the allocation of the address for use with EC2-VPC.</p>
@param allocationId The ID representing the allocation of the address for use with EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/"}
Returns a reference to this object so that method calls can be chained together. */
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>The ID representing the allocation of the address for use with EC2-VPC.</p>
@return The ID representing the allocation of the address for use with EC2-VPC. */",
"getterMethodName" : "getAllocationId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "allocationId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The ID representing the allocation of the address for use with EC2-VPC.</p>
@param allocationId The ID representing the allocation of the address for use with EC2-VPC. */",
"setterMethodName" : "setAllocationId",
"setterModel" : {
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 "variableName" : "allocationId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID representing the allocation of the address for use with EC2-VPC.</p>
@param allocationId The ID representing the allocation of the address for use with EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "allocationId",
}"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  3103
"variableType" : "String",
"documentation" : "<p>The ID representing the allocation of the address for use with EC2-VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID representing the association of the address with an instance in a VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a VPC.</p>
@param associationId The ID representing the association of the address with an instance in a VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a VPC.</p>
@return The ID representing the association of the address with an instance in a VPC.
*/",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a VPC.</p>
@param associationId The ID representing the association of the address with an instance in a VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setAssociationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple": true,
"varargSetterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a VPC.
@param associationId The ID representing the association of the address with an instance in a VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableName" : "associationId",
"variableType" : "String",
"documentation" : "<p>The ID representing the association of the address with an instance in a VPC.</p>
@param associationId The ID representing the association of the address with an instance in a VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType",
"xmlNameSpaceUri" : null
},
"c2jName": "Domain",
"c2jShape": "DomainType",
"deprecated": false,
"documentation": "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).
@return Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).@see DomainType",
"getterMethodName": "getDomain",
"getterDocumentation": "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).@see DomainType",
"returnType": "String",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
Indicates whether this Elastic IP address is for use with instances in EC2-Classic <code>&lt;code&gt;standard&lt;/code&gt;</code> or instances in a VPC <code>&lt;code&gt;vpc&lt;/code&gt;</code>). 

@see DomainType*/

```java
"setterMethodName" : "setDomain",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic <code>&lt;code&gt;standard&lt;/code&gt;</code> or instances in a VPC <code>&lt;code&gt;vpc&lt;/code&gt;</code>). <code>&lt;code&gt;
\n@see DomainType*/

"variable" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"variable" : { 
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NetworkInterfaceOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AWS account that owns the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AWS account that owns the network interface.</p>
@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceOwnerId",
"getterDocumentation" : "/**<p>The ID of the AWS account that owns the network interface.</p>
@return The ID of the AWS account that owns the network interface.*/",
"getterMethodName" : "getNetworkInterfaceOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceOwnerId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceOwnerId"
"setterDocumentation" : "/**\n<p>The ID of the AWS account that owns the network interface.</p>\n@\n@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.*/",
"setterMethodName" : "setNetworkInterfaceOwnerId",
"setterModel" : {
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  "variableName" : "networkInterfaceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the AWS account that owns the network interface.\n@\n@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "networkInterfaceOwnerId",
  "variableType" : "String",
  "documentation" : "\n<p>The ID of the AWS account that owns the network interface.\n</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n<p>The private IP address associated with the Elastic IP address.\n</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The private IP address associated with the Elastic IP address.\n@\n@param privateIpAddress The private IP address associated with the Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**\n<p>The private IP address associated with the Elastic IP address.\n</p>",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IP address associated with the Elastic IP address.</p>
@param privateIpAddress The private IP address associated with the Elastic IP address.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateIpAddress",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IP address associated with the Elastic IP address.</p>
@param privateIpAddress The private IP address associated with the Elastic IP address.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateIpAddress",
 "variableType" : "String",
 "documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
 "AllocationId" : {
  "c2jName" : "AllocationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID representing the allocation of the address for use with EC2-VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>The ID representing the allocation of the address for use with EC2-VPC.
  @param allocationId The ID representing the allocation of the address for use with EC2-VPC.
  @return
  Returns a reference to this object so that method calls can be chained together.</p>"
 },
  "xmlNameSpaceUri" : null
}}
Returns a reference to this object so that method calls can be chained together.

```
"getterDocumentation" : "The ID representing the allocation of the address for use with EC2-VPC.
\n\n@return The ID representing the allocation of the address for use with EC2-VPC.
",
"getterMethodName" : "getAllocationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allocationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "The ID representing the allocation of the address for use with EC2-VPC.
\n\n@param allocationId The ID representing the allocation of the address for use with EC2-VPC.
\n\n@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID representing the allocation of the address for use with EC2-VPC.
\n\n@param allocationId The ID representing the allocation of the address for use with EC2-VPC.
\n\n@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
```
"variableType" : "String",
"documentation" : "<p>The ID representing the allocation of the address for use with EC2-VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AssociationId" : {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID representing the association of the address with an instance in a VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a VPC.</p>
@param associationId The ID representing the association of the address with an instance in a
VPC.*/
return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a
VPC.</p>
@return The ID representing the association of the address with an instance in a VPC.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a
VPC.</p>
@param associationId The ID representing the association of the address with an instance in a VPC.*/",
"setterMethodName" : "setAssociationId",}
"setterModel": {
"variableDeclarationType": "String",
"variableName": "associationId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID representing the association of the address with an instance in a VPC.</p>
@param associationId The ID representing the association of the address with an instance in a VPC.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "associationId",
"variableType": "String",
"documentation": "<p>The ID representing the association of the address with an instance in a VPC.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Domain": {
"c2jName": "Domain",
"c2jShape": "DomainType",
"deprecated": false,
"documentation": "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (\<code>standard</code>\) or instances in a VPC (\<code>vpc</code>\).\</p>",
"enumType": "DomainType",
"fluentSetterDocumentation": "/**\n<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (\<code>standard</code>\) or instances in a VPC (\<code>vpc</code>\).\n@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (\<code>standard</code>\) or instances in a VPC (\<code>vpc</code>\).\n@return Returns a reference to this object so that method calls can be chained together.\n@see DomainType*/",
"fluentSetterMethodName": "withDomain",
"getterDocumentation": "/**\n<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (\<code>standard</code>\) or instances in a VPC (\<code>vpc</code>\).\n@return Indicates whether this Elastic IP address is for use with instances in EC2-Classic (\<code>standard</code>\) or instances in a VPC (\<code>vpc</code>\).\n@see DomainType*/",
"getterMethodName": "getDomain",
"getModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Domain",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "domain",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Domain",
"setterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@see DomainType*/",
"setterMethodName" : "setDomain",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>Indicates whether this Elastic IP address is for use with instances in
EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@param domain Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@return Returns a reference to this object so that method calls can be chained
together.\n@see DomainType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : "\p>Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance that the address is associated with (if any).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@return The ID of the instance that the address is associated with (if any).*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
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   "documentation" : null
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
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   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "instanceId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the instance that the address is associated with (if any).\n*/\n\n@param instanceId\nThe ID of the instance that the address is associated with (if any).\n\n@return\nReturns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
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"variableType": "String",
"documentation": "/**\n<p>The ID of the instance that the address is associated with (if any).\n*/",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"NetworkInterfaceId": {
"c2jName": "NetworkInterfaceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "/**\n<p>The ID of the network interface.\n*/",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The ID of the network interface.\n*/\n\n@param networkInterfaceId\nThe ID of the network interface.\n\n@return\nReturns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "/**\n<p>The ID of the network interface.\n*/\n\n@return\nThe ID of the network interface.\n*/",
"getterMethodName": "getNetworkInterfaceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
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    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"NetworkInterfaceOwnerId" : {
    "c2jName" : "NetworkInterfaceOwnerId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the AWS account that owns the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the AWS account that owns the network interface.</p>
@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceOwnerId",
    "getterDocumentation" : "/**<p>The ID of the AWS account that owns the network interface.</p>
@return The ID of the AWS account that owns the network interface.*/",
    "getterMethodName" : "getNetworkInterfaceOwnerId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceOwnerId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceOwnerId",
"setterDocumentation" : "/**\n<p>The ID of the AWS account that owns the network interface.</p>
@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.*/",
"setterMethodName" : "setNetworkInterfaceOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the AWS account that owns the network interface.</p>
@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceOwnerId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AWS account that owns the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
The private IP address associated with the Elastic IP address.

@returns A reference to this object so that method calls can be chained together.

The private IP address associated with the Elastic IP address.

@returns The private IP address associated with the Elastic IP address.

@returns Returns a reference to this object so that method calls can be chained together.

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The private IP address associated with the Elastic IP address.

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@returns Returns a reference to this object so that method calls can be chained together.

The private IP address associated with the Elastic IP address.
Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"PublicIp" : {
    "c2jName" : "PublicIp",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Elastic IP address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPublicIp",
    "getterDocumentation" : "/**<p>The Elastic IP address.</p>
@return The Elastic IP address.*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PublicIp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "publicIp",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "PublicIp",
    "setterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/
```

"setterMethodName" : "setPublicIp",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param publicIp The Elastic IP address.\n*/
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Address",
    "variableName" : "address",
    "variableType" : "Address",
    "documentation" : null,
    "simpleType" : "Address",
    "variableSetterType" : "Address"
},
"wrapper" : false,
"Affinity" : {
    "c2jName" : "Affinity",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingUnmarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
"deprecated": false,
"documentation": "",
"enums": [ {
  "name": "Default",
  "value": "default"
}, {
  "name": "Host",
  "value": "host"
} ],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "Affinity",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "Affinity",
  "variableName": "affinity",
  "variableType": "Affinity",
  "documentation": null,
  "simpleType": "Affinity",
  "variableSetterType": "Affinity"
},
"wrapper": false
},
"AllocateAddressRequest": {
  "c2jName": "AllocateAddressRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "p>Contains the parameters for AllocateAddress.</p>",
  "enums": null,
  "errorCode": null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,

"marshaller" : {
  "action" : "AllocateAddress",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},

"members" : [
  {
    "c2jName" : "Domain",
    "c2jShape" : "DomainType",
    "deprecated" : false,
    "documentation" : "<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p><p>Default: The address is for use with instances in EC2-Classic.</p>",
    "enumType" : "DomainType",
    "fluentSetterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p><p>Default: The address is for use with instances in EC2-Classic.</p>
@see DomainType*/",
    "fluentSetterMethodName" : "withDomain",
    "getterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p><p>Default: The address is for use with instances in EC2-Classic.</p>
@see DomainType*/",
    "getterMethodName" : "getDomain",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Domain",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Domain",
      "uri" : false
    }
}
"setterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
@param domain Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</param>
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domain",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"Domain" : {
"c2jName" : "Domain",
"c2jShape" : "DomainType",
"deprecated" : false,
"documentation" : "<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
@param domain Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</param>
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType*/",
"enumType" : "DomainType",
"fluentSetterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
@param domain Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</param>
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType*/",
"setterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
@param domain Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</param>
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType*/", "setterMethodName" : "setDomain",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domain",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
@param domain Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</param>
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType*/"}
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@see DomainType*/

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@see DomainType*/

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in a VPC.<p>Default: The address is for use with instances in EC2-Classic.<p>
@param domain Set to <code>vpc</code> to allocate the address for use with instances in a VPC.<p>
Default: The address is for use with instances in EC2-Classic.<p>
@return Returns a reference to this object so that method calls can be chained together.<p>
@see DomainType*/

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<p>Default: The address is for use with instances in EC2-Classic.</p>"):
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    "documentation" : null,
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    "variableSetterType" : "AllocateAddressRequest"
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"wrapper" : false
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"AllocateAddressResult" : {
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    "documentation" : "><p>Contains the output of AllocateAddress.</p>",
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The Elastic IP address.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The Elastic IP address.</p>
*@
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation": "/**<p>The Elastic IP address.</p>
@return The Elastic IP address.
*/",
  "getterMethodName": "getPublicIp",
  "getterModel": { 
    "documentation": null
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  "http": { 
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
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    "isStreaming": false,
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  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "PublicIp",
  "setterDocumentation": "/**<p>The Elastic IP address.</p>
*@
@param publicIp The Elastic IP address.
*/",
  "setterMethodName": "setPublicIp",
  "setterModel": { 
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    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>The Elastic IP address.</p>
*@
@param publicIp The Elastic IP address.
*/
});
address

@return Returns a reference to this object so that method calls can be chained together.*\*/

"variable" : {
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"variableSetterType" : "String"
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"c2jName" : "Domain",
"c2jShape" : "DomainType",
"deprecated" : false,
"documentation" : "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>",
"enumType" : "DomainType",
"fluentSetterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n*\n@see DomainType*/",
"fluentSetterMethodName" : "withDomain",
"getterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n*\n@see DomainType*/",
"getterMethodName" : "getDomain",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Domain",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "domain",
"uri" : false
},
"idempotencyToken" : false,
"setterDocumentation": "/**\n * Indicates whether this Elastic IP address is for use with instances in EC2-
 * Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n * @param domain Indicates whether this Elastic IP address is for use with instances in EC2-
 * Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n * @see DomainType*/",
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"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domain",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n * Indicates whether this Elastic IP address is for use with instances in EC2-
 * Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n * @param domain Indicates whether this Elastic IP address is for use with instances in EC2-
 * Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n * @return Returns a reference to this object so that method calls can be chained
together.\n * @see DomainType*/",
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 * Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n * @return\n * Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "AllocationId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP
 * address for use with instances in a VPC.\n */",
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP
 * address for use with instances in a VPC.\n */\n @param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP
 * address for use with instances in a VPC.\n @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAllocationId",
"getterDocumentation": "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP
 * address for use with instances in a VPC.\n */\n @return [EC2-VPC] The ID that AWS assigns to represent the
allocation of the Elastic IP address for use with instances in a VPC.*/*

"getterMethodName" : "getAllocationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allocationId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>@param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.*/*/",
"setterMethodName" : "setAllocationId",
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  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>@param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.@return Returns a reference to this object so that method calls can be chained together.*/*/",
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  "variableName" : "allocationId",
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"documentation" : "<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jName" : "AllocationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>\n@param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAllocationId",
    "getterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>\n@return [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.*/",
    "getterMethodName" : "getAllocationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "allocationId",
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[EC2-VPC] The ID that AWS assigns to represent the allocation of the
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@Param allocationId [EC2-VPC] The ID that AWS assigns
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  "variableName": "allocationId",
  "variableType": "String",
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  "variableSetterType": "String"
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[EC2-VPC] The ID that AWS assigns to represent the allocation of the
Elastic IP address for use with instances in a VPC.\n
@Param allocationId [EC2-VPC] The ID that AWS assigns
to represent the allocation of the Elastic IP address for use with instances in a VPC.\n
@return Returns a reference to
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  "documentation": "[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP
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  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"Domain": {
  "c2jName": "Domain",
  "c2jShape": "DomainType",
  "deprecated": false,
  "documentation": "Indicates whether this Elastic IP address is for use with instances in EC2-Classic
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  "enumType": "DomainType",
  "fluentSetterDocumentation": "Indicates whether this Elastic IP address is for use with instances in
EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@Param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@return Returns a reference to this object so that method calls can be chained together.\n
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Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@Param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@return Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
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  "setterDocumentation": "/**\n
[EC2-VPC] The ID that AWS assigns to represent the allocation of the
Elastic IP address for use with instances in a VPC.\n
@Param allocationId [EC2-VPC] The ID that AWS assigns
to represent the allocation of the Elastic IP address for use with instances in a VPC.*/",
  "setterMethodName": "setAllocationId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "allocationId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**\n
[EC2-VPC] The ID that AWS assigns to represent the allocation of the
Elastic IP address for use with instances in a VPC.\n
@Param allocationId [EC2-VPC] The ID that AWS assigns
to represent the allocation of the Elastic IP address for use with instances in a VPC.\n
@return Returns a reference to
this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "allocationId",
    "variableType": "String",
    "documentation": "[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP
address for use with instances in a VPC.\n",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
},
"Domain": {
  "c2jName": "Domain",
  "c2jShape": "DomainType",
  "deprecated": false,
  "documentation": "Indicates whether this Elastic IP address is for use with instances in EC2-Classic
(<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@Param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@return Returns a reference to this object so that method calls can be chained together.\n
@see DomainType*/",
  "fluentSetterDocumentation": "Indicates whether this Elastic IP address is for use with instances in
EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@Param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@return Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@see DomainType*/",
  "fluentSetterMethodName": "withDomain",
  "getterDocumentation": "Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@Param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@return Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n
@see DomainType*/",
  "getterMethodName": "getDomain",
  "getterModel": {

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"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Domain",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "domain",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Domain",
"setterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a
VPC (<code>vpc</code>).*/

@see DomainType*/",
"setterMethodName" : "setDomain",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in
EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a
VPC (<code>vpc</code>).*/

@return Returns a reference to this object so that method calls can be chained
together.</p>

@see DomainType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : ""<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic

"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"PublicIp": {
"c2jName": "PublicIp",
"c2jShape": "String",
"deprecated": false,
"documentation": "The Elastic IP address."
",
"enumType": null,
"fluentSetterDocumentation": "The Elastic IP address.

\n@returns Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName": "withPublicIp",
"getterDocumentation": "The Elastic IP address."
",
"getterMethodName": "getPublicIp",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PublicIp",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "publicIp",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "The Elastic IP address."
",
"setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
}
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "<p>The Elastic IP address.</p>
    "simple" : true,
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AllocateAddressResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "AllocateAddressResult",
    "variableName" : "allocateAddressResult",
    "variableType" : "AllocateAddressResult",
    "documentation" : null,
    "simpleType" : "AllocateAddressResult",
    "variableSetterType" : "AllocateAddressResult"
},
"wrapper" : false
},
"AllocateHostsRequest" : {
    "c2jName" : "AllocateHostsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for AllocateHosts.</p>"
}
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "AllocateHosts",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "AutoPlacement",
    "c2jShape" : "AutoPlacement",
    "deprecated" : false,
    "documentation" : 
"This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.

Default: Enabled
",
    "enumType" : "AutoPlacement",
    "fluentSetterDocumentation" : 
   "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.

Default: Enabled
",
    "fluentSetterMethodName" : "withAutoPlacement",
    "getterDocumentation" : 
   "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.

Default: Enabled
",
    "getterMethodName" : "getAutoPlacement",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AutoPlacement",
      "queryString" : false,
This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.

```
@Default: Enabled

@see AutoPlacement*/
```

```
setterMethodName" : "setAutoPlacement",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>

<p>Default: Enabled</p>

@see AutoPlacement*/
```

```
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>

<p>Default: Enabled</p>

@return Returns a reference to this object so that method calls can be chained together.

@see AutoPlacement*/
```

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>

<p>Default: Enabled</p>

","simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a
Idempotency<a> in the Amazon Elastic Compute Cloud User Guide</a>. For more information, see How to Ensure Idempotency<a> in the Amazon Elastic Compute Cloud User Guide</a>.

```java
public void setClientToken(String clientToken) {
    this.clientToken = clientToken;
}
```

<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see How to Ensure Idempotency<a> in the Amazon Elastic Compute Cloud User Guide</a>.</p>

```java
public String getInstanceType() {
    return instanceType;
}
```

<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host. When you specify the instance type, that is the only instance type that you can launch onto that host. Returns a reference to this object so that method calls can be chained together.</p>
for. When you specify the instance type, that is the only instance type that you can launch onto that
host.</p>

@returns Specify the instance type that you want your Dedicated Hosts to be configured for. When you
specify the instance type, that is the only instance type that you can launch onto that host.*/

getterMethodName" : "getInstanceType",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>Specify the instance type that you want your Dedicated Hosts to be configured
for. When you specify the instance type, that is the only instance type that you can launch onto that
host.</p>

@returns Specify the instance type that you want your Dedicated Hosts to be configured for. When you
specify the instance type, that is the only instance type that you can launch onto that host.*/

setterMethodName" : "setInstanceType",
setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify the instance type that you want your Dedicated Hosts to be configured
for. When you specify the instance type, that is the only instance type that you can launch onto that
host.</p>

@returns Specify the instance type that you want your Dedicated Hosts to be configured for. When you
specify the instance type, that is the only instance type that you can launch onto that host.*/

Returns a reference to this object so that method calls can be chained together.*/";
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Quantity",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withQuantity",
"getterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@return The number of Dedicated Hosts you want to allocate to your account with these parameters.*/",
"getterMethodName" : "getQuantity",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Quantity",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "quantity",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "Quantity",
"setterDocumentation": "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.*/",
"setterMethodName": "setQuantity",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "quantity",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "quantity",
  "variableType": "Integer",
  "documentation": "<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null,
"c2jName": "AvailabilityZone",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Availability Zone for the Dedicated Hosts.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@param availabilityZone The Availability Zone for the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAvailabilityZone",
"getterDocumentation": "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@return The Availability Zone for the Dedicated Hosts.*/",
"getterMethodName": "getAvailabilityZone",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
The Availability Zone for the Dedicated Hosts. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the Dedicated Hosts.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}].

"membersAsMap" : {
  "AutoPlacement" : {
    "c2jName" : "AutoPlacement",
    "c2jShape" : "AutoPlacement",
    "deprecated" : false,
    "name" : "AvailabilityZone",
    "setterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.
     *param availabilityZone The Availability Zone for the Dedicated Hosts.
     *return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setAvailabilityZone",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "availabilityZone",
      "variableType" : "String",
      "documentation" : ",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.
     *param availabilityZone The Availability Zone for the Dedicated Hosts.
     *return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "availabilityZone",
      "variableType" : "String",
      "documentation" : "<p>The Availability Zone for the Dedicated Hosts.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
}];

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false,
This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled

```
/**
 * This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.
 * Default: Enabled
 *
 * @param autoPlacement
 * @return
 * @see AutoPlacement*/
```

```
withAutoPlacement
```

```
getAutoPlacement
```

```
setAutoPlacement
```
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "autoPlacement",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p> <p>Default: Enabled</p>\n@param autoPlacement This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p> <p>Default: Enabled\n@return Returns a reference to this object so that method calls can be chained together.\n@see AutoPlacement*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "autoPlacement",
    "variableType" : "String",
    "documentation" : "<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p> <p>Default: Enabled</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AvailabilityZone" : {
    "c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone for the Dedicated Hosts.</p>
"param availabilityZone The Availability Zone for the Dedicated Hosts.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>\n@return The Availability Zone for the Dedicated Hosts.\n@see AvailabilityZone*/",
"getMethodName" : "getAvailabilityZone",
"getModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@param availabilityZone The Availability Zone for the Dedicated Hosts.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@param availabilityZone The Availability Zone for the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the Dedicated Hosts.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a

How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide.

**ClientToken**

This is a unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see the Amazon Elastic Compute Cloud User Guide.

**setterDocumentation**

```java
/**
 * Unique, case-sensitive identifier you provide to ensure idempotency of the request.
 */

public void setClientToken(String clientToken) {
    // Implementation
}
```

**getterDocumentation**

```java
/**
 * Unique, case-sensitive identifier you provide to ensure idempotency of the request.
 */

public String getClientToken() {
    // Implementation
}
```
Idempotency</i> in the <i>Amazon Elastic Compute Cloud User Guide</i>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

```

\n@<param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```

```
"getterDocumentation" : "/**<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>*/
@return Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceType",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "instanceType",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>*/
@param instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "instanceType",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>*/
@param instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.
@return
Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Quantity" : {
    "c2jName" : "Quantity",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withQuantity",
    "getterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@return The number of Dedicated Hosts you want to allocate to your account with these parameters.*/",
    "getterMethodName" : "getQuantity",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Quantity",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "quantity",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"c2jName" : "AllocateHostsResult",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of AllocateHosts.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ ]
    "c2jName" : "HostIds",
    "c2jShape" : "ResponseHostIdList",
    "deprecated" : false,
    "documentation" : "<p>The ID of the allocated Dedicated Host. This is used when you want to launch an
instance onto a specific host.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withHostIds",
    "getterDocumentation" : "/**
@return The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.
*/",
    "getterMethodName" : "getHostIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "HostIdSet",
        "queryString" : false,
        "statusCode" : false,
        "statusType" : false,
"unmarshallLocationName": "hostIdSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member 
*/",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"documentation": null
}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>
@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID of the allocated Dedicated Host. This is used when you want to
launch an instance onto a specific host.

**NOTE:** This method appends the values to the existing list (if any). Use `{@link #setHostIds(java.util.Collection)}` or `{@link #withHostIds(java.util.Collection)}` if you want to override the existing values.

```java
@override
@returns Returns a reference to this object so that method calls can be chained together.

```

```java
variable : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.

    **NOTE:** This method appends the values to the existing list (if any). Use `{@link #setHostIds(java.util.Collection)}` or `{@link #withHostIds(java.util.Collection)}` if you want to override the existing values.

    @returns Returns a reference to this object so that method calls can be chained together.

    
```
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param member
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNamespaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"},
"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**\n<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.\n</p>\n@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
],
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setHostIds(java.util.Collection)} or { @link #withHostIds(java.util.Collection)} if you want to override the existing values.</p>

@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String">
},

"xmlNameSpaceUri" : null
}
}
/requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AllocateHostsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {
  "variableDeclarationType" : "AllocateHostsResult",
  "variableName" : "allocateHostsResult",
  "variableType" : "AllocateHostsResult",
  "documentation" : null,
  "simpleType" : "AllocateHostsResult",
  "variableSetterType" : "AllocateHostsResult"
},

"wrapper" : false
},

"AllocationState" : {
  "c2jName" : "AllocationState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Available",
    ""
"deprecated" : false,
"documentation" : "",
"enums" : [ 
  
  "name" : "LowestPrice",
  "value" : "lowestPrice"
]
],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AllocationStrategy",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AllocationStrategy",
  "variableName" : "allocationStrategy",
  "variableType" : "AllocationStrategy",
  "documentation" : null,
  "simpleType" : "AllocationStrategy",
  "variableSetterType" : "AllocationStrategy"
},
"wrapper" : false
},
"ArchitectureValues" : {
  "c2jName" : "ArchitectureValues",
  "customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ 
  
  "name" : "I386",
  "value" : "i386"
}, {
    "name" : "X86_64",
    "value" : "x86_64"
} },
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ArchitectureValues",
"unmarshaller" : { 
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : { 
    "variableDeclarationType" : "ArchitectureValues",
    "variableName" : "architectureValues",
    "variableType" : "ArchitectureValues",
    "documentation" : null,
    "simpleType" : "ArchitectureValues",
    "variableSetterType" : "ArchitectureValues"
},
"wrapper" : false
},
"AssignIpv6AddressesRequest" : { 
    "c2jName" : "AssignIpv6AddressesRequest",
    "customization" : { 
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : { 
        "action" : "AssignIpv6Addresses",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : { 
        "action" : "AssignIpv6Addresses",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : { 
        "action" : "AssignIpv6Addresses",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : { 
        "action" : "AssignIpv6Addresses",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : { 
        "action" : "AssignIpv6Addresses",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : { 
        "action" : "AssignIpv6Addresses",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : { 
        "action" : "AssignIpv6Addresses",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : 'POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : { 
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : 'POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>
@param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>
@return One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Addresses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6Addresses",
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : { 
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : { 
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : { 
      "returnType" : "String",
      "documentation" : null
    },
    "http" : { 
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}. 
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAuto ConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Ipv6Addresses",
"setterDocumentation": "/*\nOne or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*/ 
\n@param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"setterMethodName": "setIpv6Addresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "ipv6Addresses",
  "simple": true,
  "simpleType": "String",
  "templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
  "templateType": "java.util.List<String>"
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"simple": true,
"simpleType": "String"
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p><p>NOTE:</p> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p><p>@param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6AddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p><p>@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withIpv6AddressCount",
"getterDocumentation" : "/**<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p><p>@return The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"xmlNameSpaceUri" : null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "marshallLocationName": "Ipv6AddressCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ipv6AddressCount",
  "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Ipv6AddressCount",
  "setterDocumentation": "/**\n<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>\n@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setIpv6AddressCount",
  "setterModel": {
    "variableDeclarationType": "Integer",
    "variableName": "ipv6AddressCount",
    "variableType": "Integer",
    "documentation": "",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
  },
  "simple": true,
  "varargSetterDocumentation": "/**\n<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>\n@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "Integer",
    "variableName": "ipv6AddressCount",
    "variableType": "Integer",
    "documentation": "<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/"
addresses.

The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.

`ipv6AddressCount` The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.

Getters:

- `getIpv6AddressCount` returns the number of IPv6 addresses to assign to the network interface.

Setters:

- `withIpv6AddressCount` sets the number of IPv6 addresses to assign to the network interface.

Additional Information:

- `additionalMarshallingPath`: null
- `additionalUnmarshallingPath`: null
- `flattened`: false
- `greedy`: false
- `header`: false
- `isPayload`: false
- `isStreaming`: false
- `marshallLocationName`: "Ipv6AddressCount"
- `queryString`: false
- `statusCode`: false
- `unmarshallLocationName`: "ipv6AddressCount"
- `uri`: false

Idempotency Token: false
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**\nThe number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n\n@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n\n@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses."
},
"xmlNameSpaceUri" : null,
"Ipv6Addresses" : {
  "c2jName" : "Ipv6Addresses",
  "c2jShape" : "Ipv6AddressList",
  "deprecated" : false,
  "documentation" : "One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses."
},
"variableSetterType" : "Integer",
"xmlNameSpaceUri" : null,
"Ipv6Addresses" : {
  "c2jName" : "Ipv6Addresses",
  "c2jShape" : "Ipv6AddressList",
  "deprecated" : false,
  "documentation" : "One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses."
specifying a number of IPv6 addresses.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/*<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>\n@return One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Addresses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6Addresses",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Addresses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6Addresses",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface.
You can't use this option if you're specifying a number of IPv6 addresses.</p>
@param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setIpv6Addresses(java.util.Collection)] or [@link #withIpv6Addresses(java.util.Collection)] if you want to override the existing values.<p>

@param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.<p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : "null",}
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.
interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "AssignIpv6AddressesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AssignIpv6AddressesRequest",
  "variableName" : "assignIpv6AddressesRequest",
  "variableType" : "AssignIpv6AddressesRequest",
  "documentation" : null,
  "simpleType" : "AssignIpv6AddressesRequest",
  "variableSetterType" : "AssignIpv6AddressesRequest"
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"wrapper" : false
},
"AssignIpv6AddressesResult" : {
  "c2jName" : "AssignIpv6AddressesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "String",
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    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "simpleType" : "String",
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : [ "NetworkInterfaceId" ],
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  "unmarshaller" : null,
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    "variableDeclarationType" : "AssignIpv6AddressesRequest",
    "variableName" : "assignIpv6AddressesRequest",
    "variableType" : "AssignIpv6AddressesRequest",
    "documentation" : null,
    "simpleType" : "AssignIpv6AddressesRequest",
    "variableSetterType" : "AssignIpv6AddressesRequest"
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  "wrapper" : false
},
"AssignIpv6AddressesResult" : {
  "c2jName" : "AssignIpv6AddressesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "NetworkInterfaceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "networkInterfaceId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "networkInterfaceId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String"}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "AssignedIpv6Addresses",
"setterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
@param assignedIpv6Addresses The IPv6 addresses assigned to the network interface.*/",
"setterMethodName" : "setAssignedIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "assignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>

@NOTE: This method appends the values to the existing list (if any). Use 
{@link #setAssignedIpv6Addresses(java.util.Collection)} or 
{@link #withAssignedIpv6Addresses(java.util.Collection)} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "assignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IPv6 addresses assigned to the network interface.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AssignedIpv6Addresses" : {
    "c2jName" : "AssignedIpv6Addresses",
    "c2jShape" : "Ipv6AddressList",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 addresses assigned to the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
@param assignedIpv6Addresses The IPv6 addresses assigned to the network interface
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssignedIpv6Addresses",
    "getterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
@return The IPv6 addresses assigned to the network interface.*/",
    "getterMethodName" : "getAssignedIpv6Addresses",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AssignedIpv6Addresses",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "assignedIpv6Addresses",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n * return */",
"getMethodName" : "getMember",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n * @param member
 * return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * @param member
 * return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "AssignedIpv6Addresses",
"setterDocumentation" : "//**<p>The IPv6 addresses assigned to the network interface.</p>
@param assignedIpv6Addresses The IPv6 addresses assigned to the network interface.*/",
"setterMethodName" : "setAssignedIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "assignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "//**<p>The IPv6 addresses assigned to the network interface.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAssignedIpv6Addresses(java.util.Collection)} or {@link #withAssignedIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "assignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IPv6 addresses assigned to the network interface.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String"
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p><p>@param networkInterfaceId The ID of the network interface.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p><p>@return The ID of the network interface.</p>*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Network Interface Id",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p><p>@param networkInterfaceId The ID of the network interface.</p>*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p><p>@param networkInterfaceId The ID of the network interface.</p>*/"
The ID of the network interface.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssignIpv6AddressesResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "AssignIpv6AddressesResult",
    "variableName" : "assignIpv6AddressesResult",
    "variableType" : "AssignIpv6AddressesResult",
    "documentation" : null,
    "simpleType" : "AssignIpv6AddressesResult",
    "variableSetterType" : "AssignIpv6AddressesResult"
},
"wrapper" : false
},
"AssignPrivateIpAddressesRequest" : {
    "c2jName" : "AssignPrivateIpAddressesRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for AssignPrivateIpAddresses.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddresses",
"c2jShape" : "PrivateIpAddressStringList",
"deprecated" : false,
"documentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the
network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p>\n<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet
range.</p>\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nOne or more IP addresses to be assigned as a secondary private IP address to the
network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet
range.\n@return One or more IP addresses to be assigned as a secondary private IP address to the
network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n</p>\n<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the
subnet range.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/**\nOne or more IP addresses to be assigned as a secondary private IP address to the
network interface. You can't specify this parameter when also specifying a number of secondary IP
addresses.\n<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the
subnet range.\n@return One or more IP addresses to be assigned as a secondary private IP address to the
network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n</p>\n<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the
subnet range.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
}
"unmarshallLocationName" : "PrivateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PrivateIpAddress",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>One or more IP addresses to be assigned as a secondary private IP address to
the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

You can't specify this parameter when also specifying a number of secondary IP addresses.

You can't specify this parameter when also specifying private IP addresses.

The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.

The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.

You can't specify this parameter when also specifying private IP addresses.
can't specify this parameter when also specifying private IP addresses.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "/**\n * The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.\n */",
"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecondaryPrivateIpAddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "secondaryPrivateIpAddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**\n * The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.\n */",
"setterMethodName" : "setSecondaryPrivateIpAddressCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "secondaryPrivateIpAddressCount",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.\n */"
interface. You can't specify this parameter when also specifying private IP addresses.<p>

@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.

@return Returns a reference to this object so that method calls can be chained together.*

    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "secondaryPrivateIpAddressCount",
        "variableType" : "Integer",
        "documentation" : "The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.

        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "xmlNameSpaceUri" : null
},
    "c2jName" : "AllowReassignment",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.

    "enumType" : null,
    "fluentSetterDocumentation" : "Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.

    "fluentSetterMethodName" : "withAllowReassignment",
    "getterDocumentation" : "Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.

    "getterMethodName" : "getAllowReassignment",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AllowReassignment",
        "queryString" : false,
        "statusCode" : false,
"unmarshallLocationName" : "allowReassignment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowReassignment",
"setterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another
network interface or instance to be reassigned to the specified network interface.</p>*/
@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.*!/",
"setterMethodName" : "setAllowReassignment",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowReassignment",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another
network interface or instance to be reassigned to the specified network interface.</p>*/
@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.
@return Returns a reference to this object so that method calls can be chained together.*!/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowReassignment",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether to allow an IP address that is already assigned to another network
interface or instance to be reassigned to the specified network interface.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
"AllowReassignment" : {
  "c2jName" : "AllowReassignment",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow an IP address that is already assigned to another network
interface or instance to be reassigned to the specified network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to
"
another network interface or instance to be reassigned to the specified network interface.

```java
@Param
allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withAllowReassignment",
"getterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>*/

"getterMethodName" : "getAllowReassignment",
"getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "AllowReassignment",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "allowReassignment",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowReassignment",
"setterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>*/

"setterMethodName" : "setAllowReassignment",
"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "allowReassignment",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
}"
"simple": true,
"varargSetterDocumentation": "/**\nIndicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.*/\n@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "allowReassignment",
"variableType": "Boolean",
"documentation": "<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"NetworkInterfaceId": {
"c2jName": "NetworkInterfaceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\nThe ID of the network interface.\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "/**\nThe ID of the network interface.\n@return The ID of the network interface.*/",
"getterMethodName": "getNetworkInterfaceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n@<p>The ID of the network interface.\n\n@<p>@param networkInterfaceId The ID of the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@<p>The ID of the network interface.\n\n@<p>@param privateIpAddresses One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n\nIf you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
"simple" : true,
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddresses" : {
  "c2jName" : "PrivateIpAddresses",
  "c2jShape" : "PrivateIpAddressStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n\nIf you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n\nIf you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.\n\n@<p>@param privateIpAddresses One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n\nIf you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.\n\n@return Returns a reference to this object so that method calls can be chained together.*/";
"fluentSetterMethodName": "withPrivateIpAddresses",
"getterDocumentation": "/**
One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.
*/

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/",
"getterMethodName": "getPrivateIpAddresses",
"getterModel": {
  "returnType": "java.util.List<String>",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PrivateIpAddress",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "privateIpAddress",
  "uri": false
},

"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  }
},
"http": {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PrivateIpAddress",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "PrivateIpAddress",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
`map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p><p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p><p>Note: This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.</p><p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p><p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p><p>Note: This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.</p><p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p><p>Note: This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.</p><p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>*/",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"variableDocumentation" : "One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.
<p>Note: This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.</p>*/
"setterDocumentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/
"setterDocumentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/
"setterDocumentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/
"setterDocumentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.*/
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"xmlNameSpaceUri" : null
},
"SecondaryPrivateIpAddressCount" : {
"c2jName" : "SecondaryPrivateIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>
@return The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.*/",
"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecondaryPrivateIpAddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "secondaryPrivateIpAddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You
can't specify this parameter when also specifying private IP addresses.*\*/
  
  "setterMethodName" : "setSecondaryPrivateIpAddressCount",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "secondaryPrivateIpAddressCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n  \n  The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.\n  \n  @param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "secondaryPrivateIpAddressCount",
    "variableType" : "Integer",
    "documentation" : "The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "AssignPrivateIpAddressesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AssignPrivateIpAddressesRequest",
  "variableName" : "assignPrivateIpAddressesRequest",
  "variableType" : "AssignPrivateIpAddressesRequest",
  "documentation" : null,
  "simpleType" : "AssignPrivateIpAddressesRequest",
  "variableSetterType" : "AssignPrivateIpAddressesRequest"
},
"wrapper" : false
},
"AssignPrivateIpAddressesResult" : {
  "c2jName" : "AssignPrivateIpAddressesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
  }
}
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,

deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssignPrivateIpAddressesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AssignPrivateIpAddressesResult",
  "variableName" : "assignPrivateIpAddressesResult",
  "variableType" : "AssignPrivateIpAddressesResult",
  "documentation" : null,
  "simpleType" : "AssignPrivateIpAddressesResult",
  "variableSetterType" : "AssignPrivateIpAddressesResult"
},
"wrapper" : false,

"AssociateAddressRequest" : {
  "c2jName" : "AssociateAddressRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AssociateAddress.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"marshaller" : {
  "action" : "AssociateAddress",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
@},
  "getterDocumentation" : "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
@return The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
"getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatName" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false
  }
}
"getterDocumentation" : "/** <p>The Elastic IP address. This is required for EC2-Classic. </p>
return The Elastic IP address. This is required for EC2-Classic. */",
"getterMethodName" : "getPublicIp",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicIp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PublicIp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/** <p>The Elastic IP address. This is required for EC2-Classic. </p>
@param publicIp The Elastic IP address. This is required for EC2-Classic. */",
"setterMethodName" : "setPublicIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The Elastic IP address. This is required for EC2-Classic. </p>
@param publicIp The Elastic IP address. This is required for EC2-Classic.*/
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "<p>The Elastic IP address. This is required for EC2-Classic. </p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"c2jName": "AllocationId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAllocationId",
"getterDocumentation": "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>
@return [EC2-VPC] The allocation ID. This is required for EC2-VPC.*/",
"getterMethodName": "getAllocationId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AllocationId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AllocationId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AllocationId",
"setterDocumentation": "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setAllocationId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "allocationId"}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "allocationId",
"variableType": "String",
"documentation": "<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "NetworkInterfaceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>
@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>
@return [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.*/",
"getterMethodName": "getNetworkInterfaceId",
"getModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"marshallLocationName": "NetworkInterfaceId"}
"setterDocumentation" : "/**
[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.

@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*
[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.

@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

"enumType" : null,
"fluuentSetterDocumentation" : "/*
[EC2-VPC] The primary or secondary private IP address to associate
with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

```java
/**
 * The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
 */

public String getPrivateIpAddress()

/**
 * The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
 */

public void setPrivateIpAddress(String privateIpAddress)
```
**EC2-VPC** The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

```java
/**
   * [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
   * @return Returns a reference to this object so that method calls can be chained together.
   */
```

**EC2-VPC** The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

```java
/**
   * [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
   * 
   * @param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
   * @return Returns a reference to this object so that method calls can be chained together.
   */
```

**EC2-VPC** For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.

```java
/**
   * [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
   * 
   * @param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
   * @return Returns a reference to this object so that method calls can be chained together.
   */
```

**EC2-VPC** For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.

```java
/**
   * [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
   * 
   * @param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
   * @return Returns a reference to this object so that method calls can be chained together.
   */
```

**EC2-VPC** For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.

```java
/**
   * [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
   * 
   * @param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
   * @return Returns a reference to this object so that method calls can be chained together.
   */
```
with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource. */

"getterMethodName" : "getAllowReassociation",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllowReassociation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allowReassociation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowReassociation",
"setterDocumentation" : "/**<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource. </p>@param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource. */

"setterMethodName" : "setAllowReassociation",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowReassociation",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>
@\param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>
\return Returns a reference to this object so that method calls can be chained together.*/
", "variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowReassociation",
  "variableType" : "Boolean",
  "documentation" : "[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
\param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
\return Returns a reference to this object so that method calls can be chained together.*/
", "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "AllocationId" : {
    "c2jName" : "AllocationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "[EC2-VPC] The allocation ID. This is required for EC2-VPC.
    \param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
    \return Returns a reference to this object so that method calls can be chained together.*/
", "enumType" : null,
    "fluentSetterDocumentation" : "/*\*/
    [EC2-VPC] The allocation ID. This is required for EC2-VPC.
    \param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
    \return Returns a reference to this object so that method calls can be chained together.*/
", "getterDocumentation" : "/*\*/
    [EC2-VPC] The allocation ID. This is required for EC2-VPC.
    \return Returns a reference to this object so that method calls can be chained together.*/
", "getterMethodName" : "getAllocationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllocationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AllocationId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/\*\<p\>[EC2-VPC\] The allocation ID. This is required for EC2-VPC.\</p\>\n@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.\*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "allocationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/\*\<p\>[EC2-VPC\] The allocation ID. This is required for EC2-VPC.\</p\>\n@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "allocationId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"AllowReassociation" : {
"c2jName" : "AllowReassociation",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated"
with another resource.</p>",
"enumType":null,
"fluentSetterDocumentation"":"/**
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow
an Elastic IP address that is already associated with an instance or network interface to be reassociated with the
specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account,
reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is
already associated with another resource.</p>
@param allowReassociation [EC2-VPC] For a VPC in an EC2-
VPC-only account, specify true to allow an Elastic IP address that is already associated with an instance or network
interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC
in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails
if the Elastic IP address is already associated with another resource.

@return Returns a reference to this object so that method calls can be chained together.*
",
"fluentSetterMethodName":"withAllowReassociation",

"getterDocumentation"":"/**
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an
Elastic IP address that is already associated with an instance or network interface to be reassociated with the
specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account,
reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is
already associated with another resource.

@return [EC2-VPC] For a VPC in an EC2-Classic account, specify
true to allow an Elastic IP address that is already associated with an instance or network
interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC
in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails
if the Elastic IP address is already associated with another resource.
",

"getterMethodName":"getAllowReassociation",

"getterModel":{
"returnType":"Boolean",
"documentation":null
},

"http":{
"additionalMarshallingPath":null,
"additionalUnmarshallingPath":null,
"flattened":false,
"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
"marshallLocationName":"AllowReassociation",
"queryString":false,
"statusCode":false,
"unmarshallLocationName":"allowReassociation",
"uri":false
},

"idempotencyToken":false,

"list":false,

"listModel":null,

"map":false,

"mapModel":null,

"name":"AllowReassociation"
"setterDocumentation" : "/**
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassocaited with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.
*/

@param allowReassociation
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassocaited with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.

@return Returns a reference to this object so that method calls can be chained together.
*/

varargSetterDocumentation" : "/**
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassocaited with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.

@returns a reference to this object so that method calls can be chained together.
*/

variable" : {
variableDeclarationType" : "Boolean",
variableName" : "allowReassociation",
variableType" : "Boolean",
documentation" : "",
simpleType" : "Boolean",
variableSetterType" : "Boolean"
},
simple" : true,
"xmlNameSpaceUri" : null
},
"InstanceIds" : [
"c2jName" : "InstanceId",
"c2jShape" : "String",
deprecated" : false,
documentation" : "The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can
specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.

"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>*/@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
@return The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.*/",
"getterMethodName": "getInstanceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>*/@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.*/",
"setterMethodName": "setInstanceId",
"setterModel": {"string": null,"list": null,"map": null,"mapModel": null,"name": "InstanceId"}
"variableDeclarationType": "String",
"variableName": "instanceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p><p>@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "instanceId",
    "variableType": "String",
    "documentation": "<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"NetworkInterfaceId": {
    "c2jName": "NetworkInterfaceId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID. </p><p>@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p><p>@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName": "withNetworkInterfaceId",
    "getterDocumentation": "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID. </p><p>@return [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID. */",
    "getterMethodName": "getNetworkInterfaceId",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
    }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>*/
@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.*/

setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>

@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"PrivateIpAddress" : {
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.",
"enumType" : null,
"fluentSetterDocumentation" : "/*\n[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/*\n[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.\n
@return [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/*[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
}
IP address.

@\param {String} [privateIpAddress] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

setterMethodName" : "setPrivateIpAddress",
            "setterModel" : {
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                "variableName" : "privateIpAddress",
                "variableType" : "String",
                "documentation" : "",
                "simpleType" : "String",
                "variableSetterType" : "String"
            },
            "simple" : true,
            "varargSetterDocumentation" : "/*<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>@\param {String} [privateIpAddress] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.@\return Returns a reference to this object so that method calls can be chained together.*/",
            "variable" : {
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                "variableName" : "privateIpAddress",
                "variableType" : "String",
                "documentation" : "<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>",
                "simpleType" : "String",
                "variableSetterType" : "String"
            },
            "xmlNameSpaceUri" : null,
        },
        "PublicIp" : {
            "c2jName" : "PublicIp",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The Elastic IP address. This is required for EC2-Classic.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/*<p>The Elastic IP address. This is required for EC2-Classic.</p>@\param {String} [publicIp] The Elastic IP address. This is required for EC2-Classic.@\return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withPublicIp",
            "getterDocumentation" : "/*<p>The Elastic IP address. This is required for EC2-Classic.</p>@\param {String} [publicIp] The Elastic IP address. This is required for EC2-Classic.@\return The Elastic IP address. This is required for EC2-Classic.*/",
            "getterMethodName" : "getPublicIp",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
        }
    }
}
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
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    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "PublicIp",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**\<p>The Elastic IP address. This is required for EC2-Classic.</p>\n@param publicIp The Elastic IP address. This is required for EC2-Classic.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The Elastic IP address. This is required for EC2-Classic.</p>\n@param publicIp The Elastic IP address. This is required for EC2-Classic.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
    "documentation" : "\<p>The Elastic IP address. This is required for EC2-Classic.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssociateAddressRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "AssociateAddressRequest",
    "variableName" : "associateAddressRequest",
    "variableType" : "AssociateAddressRequest",
    "documentation" : null,
    "simpleType" : "AssociateAddressRequest",
    "variableSetterType" : "AssociateAddressRequest"
},
"wrapper" : false
},
"AssociateAddressResult" : {
    "c2jName" : "AssociateAddressResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of AssociateAddress.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : {
        "c2jName" : "AssociationId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
        <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
        <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
        "fluentSetterMethodName" : "withAssociationId",
        "getterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
        <p>@return [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>*/",
        "getterMethodName" : "getAssociationId",
        "getterModel" : {
            "c2jName" : "AssociationId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
            <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
            @return Returns a reference to this object so that method calls can be chained together.</p>*/",
            "getterSetterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
            <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
            @return Returns a reference to this object so that method calls can be chained together.</p>*/",
            "getterSetterMethodName" : "withAssociationId",
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            "hasPayloadMember" : false,
            "hasStatusCodeMember" : false,
            "hasStreamingMember" : false,
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            "members" : {
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                "c2jShape" : "String",
                "deprecated" : false,
                "documentation" : "\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                "getterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
                <p>@return [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>*/",
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                "getterModel" : {
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                    "c2jShape" : "String",
                    "deprecated" : false,
                    "documentation" : "\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                    <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                    @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                    "getterSetterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
                    <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                    @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                    "getterSetterMethodName" : "withAssociationId",
                    "hasHeaderMember" : false,
                    "hasPayloadMember" : false,
                    "hasStatusCodeMember" : false,
                    "hasStreamingMember" : false,
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                    "members" : {
                        "c2jName" : "AssociationId",
                        "c2jShape" : "String",
                        "deprecated" : false,
                        "documentation" : "\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                        <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                        @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                        "getterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
                        <p>@return [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>*/",
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                        "getterModel" : {
                            "c2jName" : "AssociationId",
                            "c2jShape" : "String",
                            "deprecated" : false,
                            "documentation" : "\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                            <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                            @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                            "getterSetterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
                            <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                            @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                            "getterSetterMethodName" : "withAssociationId",
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                            "hasPayloadMember" : false,
                            "hasStatusCodeMember" : false,
                            "hasStreamingMember" : false,
                            "marshaller" : null,
                            "members" : {
                                "c2jName" : "AssociationId",
                                "c2jShape" : "String",
                                "deprecated" : false,
                                "documentation" : "\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                                <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                                @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                                "getterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
                                <p>@return [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>*/",
                                "getterMethodName" : "getAssociationId",
                                "getterModel" : {
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                                    "c2jShape" : "String",
                                    "deprecated" : false,
                                    "documentation" : "\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                                    <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                                    @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                                    "getterSetterDocumentation" : "\/*/p\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.</p>
                                    <p>@param associationId\[EC2-VPC\] The ID that represents the association of the Elastic IP address with an instance.
                                    @return Returns a reference to this object so that method calls can be chained together.</p>*/",
                                    "getterSetterMethodName" : "withAssociationId",
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"documentation": null
},
"http": {
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  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AssociationId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "associationId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AssociationId",
"setterDocumentation": "/**<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>
@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setAssociationId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": ""/**<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>
@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>",
  "simpleType": "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
"AssociationId" : {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.&lt;/p&gt;\n@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/*&lt;p&gt;[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.&lt;/p&gt;\n@return [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/*&lt;p&gt;[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.&lt;/p&gt;\n@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.\n@return Returns a reference to this object so that method calls can be chained together.*/"
address with an instance. */
    "setterMethodName" : "setAssociationId",
    "setterModel" : {
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        "variableName" : "associationId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>
@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
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        "variableType" : "String",
        "documentation" : "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssociateAddressResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "AssociateAddressResult",
    "variableName" : "associateAddressResult",
    "variableType" : "AssociateAddressResult",
    "documentation" : null,
    "simpleType" : "AssociateAddressResult",
    "variableSetterType" : "AssociateAddressResult"
},
"wrapper" : false
},
"AssociateDhcpOptionsRequest" : {
    "c2jName" : "AssociateDhcpOptionsRequest",
    "customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AssociateDhcpOptions.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "AssociateDhcpOptions",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [{
"c2jName" : "DhcpOptionsId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>
@param dhcpOptionsId The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpOptionsId",
"getterDocumentation" : "/**<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>
@return The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.*/",
"getterMethodName" : "getDhcpOptionsId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DhcpOptionsId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/**<p>The ID of the DHCP options set, or \<code>default</code> to associate no DHCP options with the VPC.</code>\n\@param dhcpOptionsId The ID of the DHCP options set, or \<code>default</code> to associate no DHCP options with the VPC.*/",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\@param dhcpOptionsId The ID of the DHCP options set, or \<code>default</code> to associate no DHCP options with the VPC.\n\n\@param VpcId The ID of the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "\<p>The ID of the DHCP options set, or \<code>default</code> to associate no DHCP options with the VPC.\</code>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p>The ID of the VPC.\</code>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\@param vpcId The ID of the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/"
Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@return The ID of the VPC. */",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@param vpcId The ID of the VPC. */",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@param vpcId The ID of the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String"}
"variableSetterType": "String",
"xmlNameSpaceUri": null
},
"membersAsMap": {
"DhcpOptionsId": {
"c2jName": "DhcpOptionsId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>
@param dhcpOptionsId The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDhcpOptionsId",
"getterDocumentation": "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>
@return The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.*/",
"getterMethodName": "getDhcpOptionsId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DhcpOptionsId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DhcpOptionsId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DhcpOptionsId",
"setterDocumentation": "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>
@param dhcpOptionsId The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"default" to associate no DHCP options with the VPC.*/

setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>

@param dhcpOptionsId The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",

"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterDocumentation" : "/*<p>The ID of the VPC.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/*<p>The ID of the VPC.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"simpleType" : "AssociateDhcpOptionsRequest",
"variableSetterType" : "AssociateDhcpOptionsRequest"
},
"wrapper" : false}

"AssociateDhcpOptionsResult" : {
"c2jName" : "AssociateDhcpOptionsResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssociateDhcpOptionsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AssociateDhcpOptionsResult",
  "variableName" : "associateDhcpOptionsResult",
  "variableType" : "AssociateDhcpOptionsResult",
  "documentation" : null,
  "simpleType" : "AssociateDhcpOptionsResult",
  "variableSetterType" : "AssociateDhcpOptionsResult"
},
"wrapper" : false
}

"AssociateIamInstanceProfileRequest" : {
"c2jName" : "AssociateIamInstanceProfileRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "AssociateIamInstanceProfile",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "IamInstanceProfile",
  "c2jShape" : "IamInstanceProfileSpecification",
  "deprecated" : false,
  "documentation" : "<p>The IAM instance profile.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p>
   * @param iamInstanceProfile The IAM instance profile.
   * @return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withIamInstanceProfile",
  "getterDocumentation" : "/**<p>The IAM instance profile.</p>
   * @return The IAM instance profile.*\*/",
  "getterMethodName" : "getIamInstanceProfile",
  "getterModel" : {
    "returnType" : "IamInstanceProfileSpecification",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IamInstanceProfile",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "IamInstanceProfile",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
"variableDeclarationType" : "IamInstanceProfileSpecification",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfileSpecification",
"documentation" : "",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IamInstanceProfileSpecification",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfileSpecification",
"documentation" : "<p>The IAM instance profile.</p>
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"simple" : false,
"variable" : {
"variableDeclarationType" : "IamInstanceProfileSpecification",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfileSpecification",
"documentation" : "",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
}
}
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*\*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
},
"membersAsMap": {
  "IamInstanceProfile": {
    "c2jName": "IamInstanceProfile",
    "c2jShape": "IamInstanceProfileSpecification",
    "deprecated": false,
    "documentation": "<p>The IAM instance profile.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The IAM instance profile.</p>
@n@param iamInstanceProfile The IAM
..."}
instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*\n", "fluentSetterMethodName" : "withIamInstanceProfile", "getterDocumentation" : "/**\nThe IAM instance profile.\n@returns The IAM instance profile.*/", "getterMethodName" : "getIamInstanceProfile", "getterModel" : { "returnType" : "IamInstanceProfileSpecification", "documentation" : null }, "http" : { "additionalMarshallingPath" : null, "additionalUnmarshallingPath" : null, "flattened" : false, "greedy" : false, "header" : false, "isPayload" : false, "isStreaming" : false, "location" : null, "marshallLocationName" : "IamInstanceProfile", "queryString" : false, "statusCode" : false, "unmarshallLocationName" : "IamInstanceProfile", "uri" : false }, "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "IamInstanceProfile", "setterDocumentation" : "/**\nThe IAM instance profile.\n@param iamInstanceProfile The IAM instance profile.*/", "setterMethodName" : "setIamInstanceProfile", "setterModel" : { "variableDeclarationType" : "IamInstanceProfileSpecification", "variableName" : "iamInstanceProfile", "variableType" : "IamInstanceProfileSpecification", "documentation" : "", "simpleType" : "IamInstanceProfileSpecification", "variableSetterType" : "IamInstanceProfileSpecification" }, "simple" : false, "varargSetterDocumentation" : "/**\nThe IAM instance profile.\n@param iamInstanceProfile The IAM instance profile.\n@returns Returns a reference to this object so that method calls can be chained together.*/", "variable" : { "variableDeclarationType" : "IamInstanceProfileSpecification", "variableName" : "iamInstanceProfile", "variableType" : "IamInstanceProfileSpecification", "documentation" : "<p>The IAM instance profile.</p>" },
"simpleType": "IamInstanceProfileSpecification",
"variableSetterType": "IamInstanceProfileSpecification"
},
"xmlnsSpaceUri": null
},
"InstanceId": {
"c2jName": "InstanceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "\<p>The ID of the instance.\</p>",
"enumType": null,
"fluentSetterDocumentation": "\/*\<p>The ID of the instance.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "\/*\<p>The ID of the instance.\</p>\n@return The ID of the instance.*\*/",
"getterMethodName": "getInstanceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "\/*\<p>The ID of the instance.\</p>\n@param instanceId The ID of the instance.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"setterMethodName": "setInstanceId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "instanceId",
"variableType": "String",
"documentation": ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "IamInstanceProfile", "InstanceId" ],
"shapeName" : "AssociateIamInstanceProfileRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "AssociateIamInstanceProfileRequest",
"variableName" : "associateIamInstanceProfileRequest",
"variableType" : "AssociateIamInstanceProfileRequest",
"documentation" : null,
"simpleType" : "AssociateIamInstanceProfileRequest",
"variableSetterType" : "AssociateIamInstanceProfileRequest"
},
"wrapper" : false
},
"AssociateIamInstanceProfileResult" : {
"c2jName" : "AssociateIamInstanceProfileResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "IamInstanceProfileAssociation",
  "c2jShape" : "IamInstanceProfileAssociation",
  "deprecated" : false,
  "documentation" : "<p>Information about the IAM instance profile association.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param
iamInstanceProfileAssociation Information about the IAM instance profile association
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIamInstanceProfileAssociation",
  "getterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@return
Information about the IAM instance profile association.*/",
  "getterMethodName" : "getIamInstanceProfileAssociation",
  "getterModel" : {
    "returnType" : "IamInstanceProfileAssociation",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IamInstanceProfileAssociation",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "iamInstanceProfileAssociation",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "IamInstanceProfileAssociation",
  "setterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param
iamInstanceProfileAssociation Information about the IAM instance profile association.*/",
  "setterMethodName" : "setIamInstanceProfileAssociation",
  "setterModel" : {
    "variableDeclarationType" : "IamInstanceProfileAssociation",
    "variableName" : "iamInstanceProfileAssociation",
    "variableType" : "IamInstanceProfileAssociation",
    "documentation" : "",
    "simpleType" : "IamInstanceProfileAssociation",
  }
}];
"variable Setter Type" : "IamInstanceProfileAssociation",
},
"simple" : false,
"vararg Setter Documentation" : "/**\n<p>Information about the IAM instance profile association.\n@return Returns a reference to this object so that method calls can be chained together.*/\n",
"variable" : {
"variable Declaration Type" : "IamInstanceProfileAssociation",
"variable Name" : "iamInstanceProfileAssociation",
"variable Type" : "IamInstanceProfileAssociation",
"documentation" : "<p>Information about the IAM instance profile association.</p>
",
"simple Type" : "IamInstanceProfileAssociation",
"variable Setter Type" : "IamInstanceProfileAssociation"
},
"xml Name Space Uri" : null
}
"members As Map" : {
"IamInstanceProfileAssociation" : {
"c2j Name" : "IamInstanceProfileAssociation",
"c2j Shape" : "IamInstanceProfileAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IAM instance profile association.</p>
",
"enum Type" : null,
"fluent Setter Documentation" : "/**\n<p>Information about the IAM instance profile association.\n@return Returns a reference to this object so that method calls can be chained together.*/\n",
"fluent Setter Method Name" : "withIamInstanceProfileAssociation",
"getter Documentation" : "/**\n<p>Information about the IAM instance profile association.\n@return Information about the IAM instance profile association.*/\n",
"getter Method Name" : "getIamInstanceProfileAssociation",
"getter Model" : {
"return Type" : "IamInstanceProfileAssociation",
"documentation" : null
},
"http" : {
"additional Marshalling Path" : null,
"additional Unmarshalling Path" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"is Payload" : false,
"is Streaming" : false,
"location" : null,
"marshall Location Name" : "IamInstanceProfileAssociation",
"queryString" : false,
"statusCode" : false,
"unmarshall Location Name" : "iamInstanceProfileAssociation",
"uri" : false
}
"setterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIamInstanceProfileAssociation",
"setterModel" : {
"variableDeclarationType" : "IamInstanceProfileAssociation",
"variableName" : "iamInstanceProfileAssociation",
"variableType" : "IamInstanceProfileAssociation",
"documentation" : "",
"simpleType" : "IamInstanceProfileAssociation",
"variableSetterType" : "IamInstanceProfileAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IAM instance profile association.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IamInstanceProfileAssociation",
"variableName" : "iamInstanceProfileAssociation",
"variableType" : "IamInstanceProfileAssociation",
"documentation" : "<p>Information about the IAM instance profile association.</p>
",
"simpleType" : "IamInstanceProfileAssociation",
"variableSetterType" : "IamInstanceProfileAssociation"
},
"xmlNamespaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssociateIamInstanceProfileResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "AssociateIamInstanceProfileResult",
"variableName" : "associateIamInstanceProfileResult",
"variableType" : "AssociateIamInstanceProfileResult",
"documentation" : null,
"simpleType" : "AssociateIamInstanceProfileResult",
"variableSetterType" : "AssociateIamInstanceProfileResult"
}
"wrapper" : false,
"AssociateRouteTableRequest" : {
  "c2jName" : "AssociateRouteTableRequest",
  "customization" : {
    "artifactResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AssociateRouteTable.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "AssociateRouteTable",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "SubnetId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSubnetId",
    "getterDocumentation" : "/**<p>The ID of the subnet.</p>
@returns The ID of the subnet.*/",
    "getterMethodId" : "getSubnetId",
    "getModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
  "getterMethodName" : "getRouteTableId"},
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**\n<p>The ID of the route table.</p>\n@param routeTableId The ID of the route table.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the route table.</p>\n@param routeTableId The ID of the route table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "<p>The ID of the route table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"simple" : true,
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"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "\<p>The ID of the route table.\</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p>The ID of the subnet.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "\/*\<p>The ID of the subnet.\</p>\n@\param subnetId The ID of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "\/*\<p>The ID of the subnet.\</p>\n@\return The ID of the subnet.\*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"isStreaming" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "SubnetId",
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@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
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  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the subnet.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "variableName" : "associateRouteTableRequest",
  "variableType" : "AssociateRouteTableRequest",
  "documentation" : null,
  "simpleType" : "AssociateRouteTableRequest",
  "variableSetterType" : "AssociateRouteTableRequest"
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"wrapper" : false
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"AssociateRouteTableResult" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
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"enums" : null,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The route table association ID (needed to disassociate the route table).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The route table association ID (needed to disassociate the route table)</p>
@param associationId The route table association ID (needed to disassociate the route table).
@return The route table association ID (needed to disassociate the route table).*/",
  "fluentSetterMethodName" : "withAssociationId",
  "getterDocumentation" : "/**
@return The route table association ID (needed to disassociate the route table).
*/",
  "getterMethodName" : "getAssociationId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
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    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "associationId",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AssociationId",
}]}
"setterDocumentation" : "/**<p>The route table association ID (needed to disassociate the route table).  
@param associationId The route table association ID (needed to disassociate the route table). */
"getterMethodName" : "setAssociationId",
"setterModel" : {
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  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The route table association ID (needed to disassociate the route table). </p>
@param associationId The route table association ID (needed to disassociate the route table).
@return Returns a reference to this object so that method calls can be chained together. */
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  "simpleType" : "String",
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    "c2jShape" : "String",
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    "documentation" : "<p>The route table association ID (needed to disassociate the route table). </p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The route table association ID (needed to disassociate the route table). </p>
@param associationId The route table association ID (needed to disassociate the route table).
@return Returns a reference to this object so that method calls can be chained together. */
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The route table association ID (needed to disassociate the route table). </p>
@return The route table association ID (needed to disassociate the route table). */
"getterMethodName" : "getAssociationId",
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    "documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The route table association ID (needed to disassociate the route table).
@param associationId The route table association ID (needed to disassociate the route table).
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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"simple" : true,
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@param associationId The route table association ID (needed to disassociate the route table).
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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"required" : null,
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"unmarshaller" : {
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"variable" : {
"variableDeclarationType" : "AssociateRouteTableResult",
"variableName" : "associateRouteTableResult",
"variableType" : "AssociateRouteTableResult",
"documentation" : null,
"simpleType" : "AssociateRouteTableResult",
"variableSetterType" : "AssociateRouteTableResult"
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"wrapper" : false
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"AssociateSubnetCidrBlockRequest" : {
"c2jName" : "AssociateSubnetCidrBlockRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "",
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"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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"members" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of your subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The ID of your subnet.</p>",
"getterDocumentation" : "<p>The ID of your subnet.</p>",
"getterMethodName" : "getSubnetId",
"getterModel" : "SubnetId"
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"returnType" : "String",
"documentation" : null
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"isStreaming" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of your subnet.</p>
@param subnetId The ID of your subnet.*/",
"setterMethodName" : "setSubnetId",
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"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of your subnet.</p>
@param subnetId The ID of your subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of your subnet.</p>",
"simpleType" : "String",
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"deprecated": false,
"documentation": "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpv6CidrBlock",
"getterDocumentation": "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>
@return The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.*/",
"getterMethodName": "getIpv6CidrBlock",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "statusCode": false,
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  "uri": false
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"list": false,
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"map": false,
"mapModel": null,
"name": "Ipv6CidrBlock",
"setterDocumentation": "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.
*/",
"setterMethodName": "setIpv6CidrBlock",
"setterModel": {
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  "variableName": "ipv6CidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"membersAsMap": {
  "Ipv6CidrBlock": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withIpv6CidrBlock",
    "getterDocumentation": "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>@return The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>*/",
    "getterMethodName": "getIpv6CidrBlock",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Ipv6CidrBlock",
      "queryString": null,
      "statusCode": false,
      "unmarshallLocationName": "ipv6CidrBlock",
      "uri": false
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    "idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
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  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of your subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of your subnet.</p>
@param subnetId The ID of your subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**<p>The ID of your subnet.</p>
@return The ID of your subnet.*/",
  "getterMethodName" : "getSubnetId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "AssociateSubnetCidrBlockRequest",
"variableName" : "associateSubnetCidrBlockRequest",
"variableType" : "AssociateSubnetCidrBlockRequest",
"documentation" : null,
"simpleType" : "AssociateSubnetCidrBlockRequest",
"variableSetterType" : "AssociateSubnetCidrBlockRequest"
},
"wrapper" : false
},
"AssociateSubnetCidrBlockResult" : {
"c2jName" : "AssociateSubnetCidrBlockResult",
"customization" : {
"artifactResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the subnet.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;@param subnetId The ID of the subnet.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.*&lt;/p&gt;&lt;*/&gt;",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "&lt;**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;@return The ID of the subnet.*&lt;/p&gt;",
"getterMethodSignature" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>\n@return Information about the IPv6 CIDR block association.*/",
"getterMethodName" : "getIpv6CidrBlockAssociation",
"getterModel" : {
"returnType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockAssociation",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociation",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociation",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>\n@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.*/",
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"setterModel" : {
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"variableName" : "ipv6CidrBlockAssociation",
"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "",
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>\n@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "ipv6CidrBlockAssociation",
"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>"},
"..."}
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"xmlnsSpaceUri" : null
}],
"membersAsMap" : {
"Ipv6CidrBlockAssociation" : {
"c2jName" : "Ipv6CidrBlockAssociation",
"c2jShape" : "SubnetIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociation",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@return Information about the IPv6 CIDR block association.*/",
"getterMethodName" : "getIpv6CidrBlockAssociation",
"getterModel" : {
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociation",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociation",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setIpv6CidrBlockAssociation",
"setterModel" : {
"c2jName" : "Ipv6CidrBlockAssociation",
"c2jShape" : "SubnetIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociation",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@return Information about the IPv6 CIDR block association.*/",
"getterMethodName" : "getIpv6CidrBlockAssociation",
"getterModel" : {
"returnType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockAssociation",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociation",
"uri" : false
},
"idempotencyToken" : false,
"variableDeclarationType" : "SubnetIpv6CidrBlockAssociation",
"variableName" : "ipv6CidrBlockAssociation",
"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "",
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SubnetIpv6CidrBlockAssociation",
"variableName" : "ipv6CidrBlockAssociation",
"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet.</p>
@return The ID of the subnet.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**\n@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param subnetId The ID of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "The ID of the subnet.\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssociateSubnetCidrBlockResult",
"unmarshall" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "AssociateSubnetCidrBlockResult",
"variableName" : "associateSubnetCidrBlockResult",
"variableType" : "AssociateSubnetCidrBlockResult",
"documentation" : null,
"simpleType" : "AssociateSubnetCidrBlockResult",
"variableSetterType" : "AssociateSubnetCidrBlockResult"}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC. */",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "AmazonProvidedIpv6CidrBlock",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>",
 "marshallLocationName" : "VpcId",
 "queryString" : false,
 "unmarshallLocationName" : "vpcId",
 "uri" : false
}
to this object so that method calls can be chained together.

- **getterDocumentation**: 
  
  Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.

  @return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.

- **getterMethodName**: 
  
  getAmazonProvidedIpv6CidrBlock

- **getterModel**: 
  
  ```
  {
    "returnType": "Boolean",
    "documentation": null
  }
  ```

- **http**: 
  
  ```
  {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "AmazonProvidedIpv6CidrBlock",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "amazonProvidedIpv6CidrBlock",
    "uri": false
  }
  ```

- **idempotencyToken**: false

- **list**: false

- **listModel**: null

- **map**: false

- **mapModel**: null

- **name**: 
  
  AmazonProvidedIpv6CidrBlock

- **setterDocumentation**: 
  
  Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.

  @param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.

- **setterMethodName**: 
  
  setAmazonProvidedIpv6CidrBlock

- **setterModel**: 
  
  ```
  {
    "variableDeclarationType": "Boolean",
    "variableName": "amazonProvidedIpv6CidrBlock",
    "variableType": "Boolean",
    "documentation": "",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
  }
  ```

- **simple**: true

- **varargSetterDocumentation**: 
  
  Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.

```java
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "amazonProvidedIpv6CidrBlock",
    "variableType" : "Boolean",
    "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>

    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "AmazonProvidedIpv6CidrBlock" : {
        "c2jName" : "AmazonProvidedIpv6CidrBlock",
        "c2jShape" : "Boolean",
        "deprecated" : false,
        "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>

        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>

        @param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.

        @return Returns a reference to this object so that method calls can be chained together.*/",

        "fluentSetterMethodName" : "withAmazonProvidedIpv6CidrBlock",
        "getterDocumentation" : "*/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>

        @return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.*/",

        "getMethodName" : "getAmazonProvidedIpv6CidrBlock",
        "getterModel" : {
            "returnType" : "Boolean",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AmazonProvidedIpv6CidrBlock",
        "queryString" : false,
    }
```
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**\n * The ID of the VPC.
 */\n@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "vpcId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n * The ID of the VPC.
 */\n@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the VPC.
 */\n@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the VPC.</p>
"simpleType" : "String",
 "variableSetterType" : "String"
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**
 * The ID of the VPC.
 */
@vpcId The ID of the VPC.
",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@vpcId The ID of the VPC.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6CidrBlockAssociation"}
"c2jShape" : "VpcIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociation",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@return Information about the IPv6 CIDR block association.*/",
"getterMethodName" : "getIpv6CidrBlockAssociation",
"getterModel" : {
  "returnType" : "VpcIpv6CidrBlockAssociation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlockAssociation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlockAssociation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociation",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6CidrBlockAssociation",
"setterModel" : {
  "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
  "variableName" : "ipv6CidrBlockAssociation",
  "variableType" : "VpcIpv6CidrBlockAssociation",
  "documentation" : "",
  "simpleType" : "VpcIpv6CidrBlockAssociation",
  "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"simple" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociation",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.*/",
"setterMethodName" : "setIpv6CidrBlockAssociation",
"setterModel" : {
  "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
  "variableName" : "ipv6CidrBlockAssociation",
  "variableType" : "VpcIpv6CidrBlockAssociation",
  "documentation" : "",
  "simpleType" : "VpcIpv6CidrBlockAssociation",
  "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
  "variableName" : "ipv6CidrBlockAssociation",
  "variableType" : "VpcIpv6CidrBlockAssociation",
  "documentation" : "<p>Information about the IPv6 CIDR block association.</p>
  "simpleType" : "VpcIpv6CidrBlockAssociation",
  "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
  @return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "AssociateVpcCidrBlockResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
"variable": {
  "variableDeclarationType": "AssociateVpcCidrBlockResult",
  "variableName": "associateVpcCidrBlockResult",
  "variableType": "AssociateVpcCidrBlockResult",
  "documentation": null,
  "simpleType": "AssociateVpcCidrBlockResult",
  "variableSetterType": "AssociateVpcCidrBlockResult"
},
"wrapper": false,
"AttachClassicLinkVpcRequest": {
  "c2jName": "AttachClassicLinkVpcRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for AttachClassicLinkVpc.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "AttachClassicLinkVpc",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "InstanceId",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>\n<br＠return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName": "withInstanceId",
      "getterDocumentation": "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>\n<br＠return The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC. */",
      "getterMethodName": "getInstanceId",
      "locationName": null,
      "requestUri": "/",
      "target": null,
      "verb": "POST",
      "xmlNameSpaceUri": null
    }
  ]
}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "InstanceId",

"setterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.*/",

"setterMethodName" : "setInstanceId",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.<br/>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
], {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nThe ID of a ClassicLink-enabled VPC.
\n@returns Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**\nThe ID of a ClassicLink-enabled VPC.
\n@returns The ID of a ClassicLink-enabled VPC.
\n@returns Returns a reference to this object so that method calls can be chained
together.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\nThe ID of a ClassicLink-enabled VPC.
\n@returns Returns a reference to this object so that method calls can be chained
together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.
@returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>
@param vpcId The ID of a ClassicLink-enabled VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable":{
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>
,"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>
@param groups The ID of one or more of the VPC's security groups.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>
@return The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>*/",
"getterMethodName" : "getGroups",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"ListModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.
     */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "ListModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member
     * @return */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
    }
  }
}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "groupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**
<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>
@param groups The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.*/",
"setterMethodName": "setGroups",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "groups",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>
<p><b>NOTE:</b> This method appends the values to the existing list


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@if any). Use @{link setGroups(java.util.Collection)} or @{link withGroups(java.util.Collection)} if you want to override the existing values.</p>
@\n@param groups The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>@return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "groups",
        "variableType" : "java.util.List<String>",
        "documentation" : "The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.*/",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>",
    },
    "xmlNameSpaceUri" : null
 } ],
"membersAsMap" : {
    "Groups" : {
        "c2jName" : "Groups",
        "c2jShape" : "GroupIdStringList",
        "deprecated" : false,
        "documentation" : "The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.*/",
        "enumType" : null,
        "fluentSetterDocumentation" : "The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.*/",
        "fluentSetterMethodName" : "withGroups",
        "getterDocumentation" : "The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.*/",
        "getterMethodName" : "getGroups",
        "getterModel" : {
            "returnType" : "java.util.List<String>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "SecurityGroupId",
            "queryString" : false,
            "statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member
     * @return */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "documentation" : null
    }
  }
}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "groupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "<p>The ID of one or more of the VPC's security groups. You cannot specify
security groups from a different VPC.</p><p@param groups The ID of one or more of the VPC's security groups.
You cannot specify security groups from a different VPC.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "<p>The ID of one or more of the VPC's security groups. You cannot
specify security groups from a different VPC.</p>

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values.</p>

@method com.amazonaws.services.vpc.model.TagGroupAttachmentsSetGroups.setGroups(java.util.List<String>)

@method com.amazonaws.services.vpc.model.TagGroupAttachmentsSetGroups.withGroups(java.util.List<String>)

@param groups The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.

@return Returns a reference to this object so that method calls can be chained together.*"*/

variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC."*/

InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC."*/

  "fluentSetterDocumentation" : "The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.

  @method com.amazonaws.services.vpc.model.TagGroupAttachmentsWithInstanceId.withInstanceId(String) instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.

  @return Returns a reference to this object so that method calls can be chained together.*"*/

  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.

  @method com.amazonaws.services.vpc.model.TagGroupAttachmentsGetInstanceId.getInstanceId() instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.

  @return The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.*"*/

  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },

  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },

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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>
@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.*/*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>
@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.
@return Returns a reference to this object so that method calls can be chained together.*/*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>
@param vpcId The ID of a ClassicLink-enabled VPC.
@return Returns a reference to this object so that method calls can be chained together.*/*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>
@return The ID of a ClassicLink-enabled VPC.*/*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>
@param vpcId The ID of a ClassicLink-enabled VPC.</p></i><i><n><n>param vpcId</n></n><n> Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.
@param vpcId The ID of a ClassicLink-enabled VPC.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId", "VpcId", "Groups" ],
"shapeName" : "AttachClassicLinkVpcRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "AttachClassicLinkVpcRequest",
"variableName" : "attachClassicLinkVpcRequest",
"variableType" : "AttachClassicLinkVpcRequest",
"documentation" : null,
"simpleType" : "AttachClassicLinkVpcRequest",
"variableSetterType" : "AttachClassicLinkVpcRequest"
},
"wrapper" : false
},
"AttachClassicLinkVpcResult" : {
"c2jName" : "AttachClassicLinkVpcResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of AttachClassicLinkVpc.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*@param returnVal Returns <code>true</code> if the request succeeds; otherwise, it returns an error.<*/",
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/*@param returnVal Returns <code>true</code> if the request succeeds; otherwise, it returns an error.<*/",
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
}
},
"wrapper" : false
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Return",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "return",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p><p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/",
"setterMethodName" : "setReturn",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnValue",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p><p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.<br>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnValue",
    "variableType" : "Boolean",
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}];
"membersAsMap": {
  "Return": {
    "c2jName": "Return",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    <p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.</p>",
    "fluentSetterMethodName": "withReturn",
    "getterDocumentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    <p>@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "getterMethodName": "getReturn",
    "getterModel": {
      "returnType": "Boolean",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Return",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "return",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Return",
    "setterDocumentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    <p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.</p>",
    "setterMethodName": "setReturn",
    "setterModel": {
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      "variableName": "returnValue",
      "variableType": "Boolean",
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  }
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"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
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"skipGeneratingModelClass" : false,
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"documentation" : "<p>Contains the parameters for AttachInternetGateway. </p>"
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"hasPayloadMember" : false,
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  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"members" : [ {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>*\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "fluentSetterMethodName" : "withInternetGatewayId",
  "getterDocumentation" : "/**<p>The ID of the Internet gateway.</p>*\n@return The ID of the Internet gateway.
*\n*/",
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  "getterModel" : {
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "internetGatewayId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
"listModel": null,
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"name": "InternetGatewayId",
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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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  "documentation": "<p>The ID of the Internet gateway.</p>
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  "variableSetterType": "String"
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  "variableSetterType": "String"
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"queryString" : false,
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"listModel" : null,
"map" : false,
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  "variableType" : "String",
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    "variable" : {
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      "fluentSetterDocumentation" : "/**\n<p>The ID of the Internet gateway.</p>\n@param internetGatewayId The ID of the Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/"
  }
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@return
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@return The ID of the VPC.*/",
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"variableSetterType" : "String"
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"wrapper" : false
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"getterDocumentation": "/*<p>The ID of the network interface.</p>\n@return The ID of the network interface.*/",
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "Integer",
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  "documentation" : "The index of the device for the network interface attachment.
  
  @param deviceIndex The index of the device for the network interface attachment.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "The index of the device for the network interface attachment.\n  
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "Integer"
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    "fluentSetterDocumentation" : "/*!\<p>The index of the device for the network interface attachment.</p>\n@param deviceIndex The index of the device for the network interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",

The index of the device for the network interface attachment.

```json
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"getterDocumentation": "/**\n<p>The index of the device for the network interface attachment.</p>\n*/
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The index of the device for the network interface attachment.*/",
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  "variableDeclarationType": "Integer",
  "variableName": "deviceIndex",
  "variableType": "Integer",
```
**InstanceId**

- **c2jName**: "InstanceId"
- **c2jShape**: "String"
- **deprecated**: false
- **documentation**: "The ID of the instance."
- **enumType**: null
- **fluentSetterDocumentation**: "The ID of the instance.
\n@returns Returns a reference to this object so that method calls can be chained together."
- **fluentSetterMethodName**: "withInstanceId"
- **getterDocumentation**: "The ID of the instance.
\n@return The ID of the instance."
- **getterMethodName**: "getInstanceId"
- **getterModel**: {}
  - **returnType**: "String"
- **http**: {}
  - **additionalMarshallingPath**: null
  - **additionalUnmarshallingPath**: null
  - **flattened**: false
  - **greedy**: false
  - **header**: false
  - **isPayload**: false
  - **isStreaming**: false
  - **marshallLocationName**: "InstanceId"
  - **queryString**: false
  - **statusCode**: false
  - **unmarshallLocationName**: "instanceId"
  - **uri**: false
- **idempotencyToken**: false
- **list**: false
- **listModel**: null
- **map**: false
- **mapModel**: null
- **name**: "InstanceId"
- **setterDocumentation**: "The ID of the instance.
\n@param instanceId The ID of the instance.
\n@return Returns a reference to this object so that method calls can be chained together."
- **setterMethodName**: "setInstanceId"
- **setterModel**: {}
  - **variableDeclarationType**: "String"
  - **variableName**: "instanceId"
  - **variableType**: "String"
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the instance.
* @param instanceId The ID of the instance.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>
  @param instanceId The ID of the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
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    "variableType" : "String",
    "documentation" : "<p>The ID of the instance.</p>
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    @return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null
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  "NetworkInterfaceId" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>
    @param networkInterfaceId The ID of the network interface.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/\n*\n* The ID of the network interface.
* @param networkInterfaceId The ID of the network interface.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "</p>
    @return The ID of the network interface.
    */",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
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      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NetworkInterfaceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "networkInterfaceId",
      "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
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"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : ["NetworkInterfaceId", "InstanceId", "DeviceIndex" ],
"shapeName" : "AttachNetworkInterfaceRequest",
"unmarshaller" : null,
"variable" : {
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  "variableName" : "attachNetworkInterfaceRequest",
  "variableType" : "AttachNetworkInterfaceRequest",
  "documentation" : null,
  "simpleType" : "AttachNetworkInterfaceRequest",
  "variableSetterType" : "AttachNetworkInterfaceRequest"
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"wrapper" : false}
"AttachNetworkInterfaceResult" : {
  "c2jName" : "AttachNetworkInterfaceResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the output of AttachNetworkInterface.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
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      "c2jName" : "AttachmentId",
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      "documentation" : "The ID of the network interface attachment.",
      "enumType" : null,
      "fluentSetterDocumentation" : "The ID of the network interface attachment.
\n@returns A reference to this object so that method calls can be chained together.",
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      "getterDocumentation" : "The ID of the network interface attachment.
\n\returns The ID of the network interface attachment.",
      "getterMethodName" : "getAttachmentId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AttachmentId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "attachmentId",
        "uri" : false
      }
    }
  ],
  "deprecated" : false,
  "documentation" : "Contains the output of AttachNetworkInterface.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
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      "documentation" : "The ID of the network interface attachment.",
      "enumType" : null,
      "fluentSetterDocumentation" : "The ID of the network interface attachment.
\n@returns A reference to this object so that method calls can be chained together.",
      "fluentSetterMethodName" : "withAttachmentId",
      "getterDocumentation" : "The ID of the network interface attachment.
\n\returns The ID of the network interface attachment.",
      "getterMethodName" : "getAttachmentId",
      "getterModel" : {
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        "documentation" : null
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      "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AttachmentId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "attachmentId",
        "uri" : false
      }
    }
  ]}
"setterDocumentation": 
/**
<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
*/
"setterMethodName": 
"setAttachmentId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "attachmentId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": 
/**
<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.
*/
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"variableType": "String",
"documentation": 
"<p>The ID of the network interface attachment.</p>
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"membersAsMap": {
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"c2jShape": "String",
"deprecated": false,
"documentation": 
"<p>The ID of the network interface attachment.</p>
"enumType": null,
"fluentSetterDocumentation": 
/**
<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.
*/
"fluentSetterMethodName": 
"withAttachmentId",
"getterDocumentation": 
/**
<p>The ID of the network interface attachment.</p>
@return The ID of the network interface attachment.
*/
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"getAttachmentId",
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"returnType": "String"}
"documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AttachmentId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attachmentId",
  "uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/*<p>The ID of the network interface attachment.</p>@param attachmentId The ID of the network interface attachment.*/",
"setterMethodName" : "setAttachmentId",
"setterModel" : {
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  "variableName" : "attachmentId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the network interface attachment.</p>@param
attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface attachment.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "AttachNetworkInterfaceResult",
  "variableName" : "attachNetworkInterfaceResult",
  "variableType" : "AttachNetworkInterfaceResult",
  "documentation" : null,
  "simpleType" : "AttachNetworkInterfaceResult",
  "variableSetterType" : "AttachNetworkInterfaceResult"
},
"wrapper" : false
},
"AttachVolumeRequest" : {
  "c2jName" : "AttachVolumeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the parameters for AttachVolume.<p>
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "AttachVolume",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "VolumeId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "The ID of the EBS volume. The volume and instance must be within the same
Availability Zone.</p>
  
  "enumType" : null,
  
  "fluentSetterDocumentation" : "/**\n* The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/\n\n*param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/\n\n*return Returns a reference to this object so that method calls can be chained together.*/",
  
  "fluentSetterMethodName" : "withVolumeId",
  
  "getterDocumentation" : "/**\n* The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/\n\n*return The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/",
  
  "getterMethodName" : "getVolumeId",
  
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VolumeId",
    "uri" : false
  },
  
  "idempotencyToken" : false,
  
  "list" : false,
  
  "listModel" : null,
  
  "map" : false,
  
  "mapModel" : null,
  
  "name" : "VolumeId",
  
  "setterDocumentation" : "/**\n* The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/\n\n*param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/",
  
  "setterMethodName" : "setVolumeId",
  
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>
\n@param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
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  "documentation": "<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "InstanceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The ID of the instance.</p>
\n@param instanceId The ID of the instance.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "/**<p>The ID of the instance.</p>\n\n@return The ID of the instance.*/",
"getterMethodName": "getInstanceId",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n* The ID of the instance.
* \n* @param instanceId The ID of the instance.*\n**",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the instance.
* \n* @param instanceId The ID of the instance.
* \n* @return Returns a reference to this object so that method calls can be chained together.*\n**",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "The ID of the instance.
* \n* @return The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n**",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Device",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n**",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n* \n* @param device The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n* \n* @return Returns a reference to this object so that method calls can be chained together.*\n**",
"fluentSetterMethodName" : "withDevice",
"fluentSetterDocumentation" : "/**\n* The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n* \n* @param device The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n* \n* @return Returns a reference to this object so that method calls can be chained together.*\n**",
"getterDocumentation" : "/**\n* The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n* \n* @return The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n**",
"getterMethodName" : "getDevice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Device",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Device",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Device",
"setterDocumentation" : "/**<p>The device name to expose to the instance (for example,
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param device The device name to expose to the instance
(for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that
method calls can be chained together.*/

"setterMethodName" : "setDevice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name to expose to the instance (for example,
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param device The device name to expose to the instance
(for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that
method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or
<code>xvdh</code>).</p>

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
"Device" : {
"c2jName" : "Device",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : ":<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : ":<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>
@param device The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). @return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withDevice",
"getterDocumentation" : ":<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>
@return The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/",
"getterMethodName" : "getDevice",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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"http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Device",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Device",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
 "name" : "Device",
 "setterDocumentation" : ":<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>
@param device The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). @return Returns a reference to this object so that method calls can be chained together.*",
"setterMethodName" : "setDevice",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "device",
 "variableType" : "String"}
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "\"The device name to expose to the instance (for example, \code{/dev/sdh} or \code{xvdh}).\"\n@param device The device name to expose to the instance (for example, \code{/dev/sdh} or \code{xvdh}).\n@return Returns a reference to this object so that method calls can be chained together.\"",
"variable": {
"variableDeclarationType": "String",
"variableName": "device",
"variableType": "String",
"documentation": "The device name to expose to the instance (for example, \code{/dev/sdh} or \code{xvdh}).",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"InstanceId": {
"c2jName": "InstanceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the instance.\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\"",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "\"The ID of the instance.\n@return The ID of the instance.\"",
"getterMethodName": "getInstanceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"documentation" : null
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@param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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@param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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"wrappedMemberSimpleType" : "VolumeAttachment"
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"enums" : null,
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"enumType" : null,
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Describes volume attachment details.&lt;/strong&gt;\n\&lt;strong&gt;return Returns a reference to this object so that method calls can be
chained together.*]/",  
"fluentSetterMethodName": "withAttachment",
"getterDocumentation": "/**<p>Describes volume attachment details.</p>
@return Describes volume attachment details.*]/",
"getterMethodName": "getAttachment",
"getterModel": {
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  "documentation": "",
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@return Returns a reference to this object so that method calls can be
chained together.*]/",
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  "variableSetterType": "VolumeAttachment"
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@return Returns a reference to this object so that method calls can be
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    "documentation" : "",
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    "variableSetterType" : "VolumeAttachment"
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@param attachment
Describes volume attachment details.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableSetterType" : "VolumeAttachment"
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"xmlNameSpaceUri" : null
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    "variableName" : "attachVolumeResult",
    "variableType" : "AttachVolumeResult",
    "documentation" : null,
    "simpleType" : "AttachVolumeResult",
    "variableSetterType" : "AttachVolumeResult"
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"wrapper" : false
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"hasStreamingMember" : false,
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"xmlNameSpaceUri" : null
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"documentation" : "<p>The ID of the virtual private gateway.</p>",
"enumType" : null,
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@param vpnGatewayId The ID of the virtual private gateway.<p/>
@returns Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "withVpnGatewayId",
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@returns The ID of the virtual private gateway.*/",
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"isStreaming" : false,
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"enumType" : null,
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@returns The ID of the virtual private gateway.*/",
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@param vpnGatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setVpnGatewayId",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
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"enumType" : null,
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterMethodName" : "getVpcId",
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"documentation" : null
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"statusCode" : false,
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"variableSetterType" : "String"
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"fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
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@return Returns a reference to this object so that method calls can be
chained together.*/",
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@return The ID of the virtual private gateway.*/",
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"documentation" : null
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    "variableSetterType" : "String"
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 * @param vpnGatewayId
 * The ID of the virtual private gateway.
 * @return Returns a reference to this object so that method calls can be
 * chained together.*/",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
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"shapeName" : "AttachVpnGatewayRequest",
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    "variableType" : "AttachVpnGatewayRequest",
    "documentation" : null,
    "simpleType" : "AttachVpnGatewayRequest",
    "variableSetterType" : "AttachVpnGatewayRequest"
},
"wrapper" : false
},
"AttachVpnGatewayResult" : {
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        "skipGeneratingUnmarshaller" : false
    },
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    "documentation" : "<p>Contains the output of AttachVpnGateway.</p>"
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "c2jShape" : "VpcAttachment",
  "deprecated" : false,
  "documentation" : "<p>Information about the attachment.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the attachment.</p>
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Information about the attachment.
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withVpcAttachment",
  "getterDocumentation" : "/**<p>Information about the attachment.</p>
@return Information about the attachment.*/",
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachment",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcAttachment",
  "setterDocumentation" : "/**<p>Information about the attachment.</p>
@param vpcAttachment
Information about the attachment.
@return Returns a reference to this object so that method calls can be chained
together.*/",
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}]}
"setterModel" : {
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  "variableName" : "vpcAttachment",
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  "variableSetterType" : "VpcAttachment"
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  "documentation" : "<p>Information about the attachment.</p>",
  "simpleType" : "VpcAttachment",
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"xmlNameSpaceUri" : null
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    "documentation" : "<p>Information about the attachment.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@param vpcAttachment Information about the attachment.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcAttachment",
    "getterDocumentation" : "/**\n\n@return Information about the attachment.*/",
    "getterMethodName" : "getVpcAttachment",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "VpcAttachment",
"setterDocumentation" : "/**<p>Information about the attachment.</p>
@param vpcAttachment Information about the attachment.</*/",
"setterMethodName" : "setVpcAttachment",
"setterModel" : {
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  "variableName" : "vpcAttachment",
  "variableType" : "VpcAttachment",
  "documentation" : "",
  "simpleType" : "VpcAttachment",
  "variableSetterType" : "VpcAttachment"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the attachment.</p>
@param vpcAttachment Information about the attachment.</p>
@return Returns a reference to this object so that method calls can be chained together.</*/",
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  "variableType" : "VpcAttachment",
  "documentation" : "/p>Information about the attachment.</p>",
  "simpleType" : "VpcAttachment",
  "variableSetterType" : "VpcAttachment"
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"variableDeclarationType" : "AttachVpnGatewayResult",
"variableName" : "attachVpnGatewayResult",
"variableType" : "AttachVpnGatewayResult",
"documentation" : null,
"simpleType" : "AttachVpnGatewayResult",
"variableSetterType" : "AttachVpnGatewayResult"
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"wrapper" : false
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"c2jName" : "AttachmentStatus",
"customization" : {
 "artificialResultWrapper" : null,
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 "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
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"requestSignerClassFqcn" : null,
"required" : null,
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    "variableType" : "AttachmentStatus",
    "documentation" : null,
    "simpleType" : "AttachmentStatus",
    "variableSetterType" : "AttachmentStatus"
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"wrapper" : false
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        "skipGeneratingMarshaller" : false,
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    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for AuthorizeSecurityGroupEgress.</p>",
    "enums" : null,
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    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
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    "members" : [
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            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the security group.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
            "fluentSetterMethodName" : "withGroupId",
            "getterDocumentation" : "/**<p>The ID of the security group.\n@return The ID of the security group.</p>*/",
            "getterMethodName" : "getGroupId",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            }
        }
    ]
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
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  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "groupId",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupId",
"setterDocumentation": "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
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"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType": "String",
  "documentation": "<p>The ID of the security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
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"c2jName": "SourceSecurityGroupName",
"c2jShape": "String"
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"documentation" : "<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.<*/",
"fluentSetterMethodFullName" : "withSourceSecurityGroupName",
"getterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.<*/",
"getterMethodFullName" : "getSourceSecurityGroupName",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "greedy" : false,
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 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "sourceSecurityGroupName",
 "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.<*/",
"setterMethodFullName" : "setSourceSecurityGroupName",
"setterModel" : {
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 "variableName" : "sourceSecurityGroupName",
}
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String",
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "SourceSecurityGroupOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
"getterMethodName" : "getSourceSecurityGroupOwnerId",
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"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"enumType" : null,
"fluentSetterDocumentation" : "\/<p\>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\</p\>\n@returns Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "\/<p\>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\</p\>\n\returns\ The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\*/",
"getterMethodName" : "getIpProtocol",
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"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipProtocol",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "\/<p\>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\</p\>\n\param\ ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\*/",
"setterMethodName" : "setIpProtocol",
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"variableType" : "String",
"documentation" : ""
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "FromPort",
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"deprecated" : false,
"documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
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"variableSetterType" : "String"
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"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "fromPort",
"uri": false,
"idempotencyToken": false,
"list": false,
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"map": false,
"mapModel": null,
"name": "FromPort",
"setterDocumentation": "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n</p>\n@param fromPort
The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*"",
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  "variableName": "fromPort",
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  "variableSetterType": "Integer"
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The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*"",
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 * The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.
 */
 * @param toPort The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.
 * @return Returns a reference to this object so that method calls can be
chained together.*="/",

"fluentSetterMethodName" : "withToPort",

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 * The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.
 */
 * @return The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.*="/",

"getterMethodName" : "getToPort",

"getterModel" : {
  
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  "documentation" : null
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"http" : {
  
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  "statusCode" : false,
  "unmarshallLocationName" : "toPort",
  "uri" : false
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"name" : "ToPort",

"setterDocumentation" : "/**
 * The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.
 */
 * @param toPort The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.*="/",

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  "uri" : false
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 * The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.
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 * @param toPort The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.*="/",

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    "header" : false,
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    "uri" : false
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  "map" : false,

  "mapModel" : null,

  "name" : "ToPort",

  "setterDocumentation" : "/**
   * The end of port range for the TCP and UDP protocols, or an ICMP type
   number. We recommend that you specify the port range in a set of IP permissions instead.
   */
   * @param toPort The end of port range for the TCP and UDP protocols, or an ICMP type
   number. We recommend that you specify the port range in a set of IP permissions instead.*="/",

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    "documentation" : "",
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "toPort",
      "uri" : false
    }

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    "setterDocumentation" : "/**
     * The end of port range for the TCP and UDP protocols, or an ICMP type
     number. We recommend that you specify the port range in a set of IP permissions instead.
     */
     * @param toPort The end of port range for the TCP and UDP protocols, or an ICMP type
     number. We recommend that you specify the port range in a set of IP permissions instead.*="/",

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      "variableType" : "Integer",
      "documentation" : "",
      "simpleType" : "Integer",
"variableSetterType": "Integer"
},
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@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "Integer",
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@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null
},
"c2jName": "CidrIp",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
"enumType": null,
"fluentSetterDocumentation": "/*<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>*/
@param cidrIp The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCidrIp",
"getterDocumentation": "/*<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>*/
@return The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.
"getterMethodName": "getCidrIp",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CidrIp",
"name": "CidrIp",
"isList": false,
"isMap": false,
"isNullable": false,
"additionalProperties": true,
"additionalPropertiesType": null,
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"getterModel": null,
"http": null,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": null,
"setterDocumentation": 
/**
<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>
@param cidrIp The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
  "variableDeclarationType": "String",
  "variableName": "cidrIp",
  "variableType": "String",
  "documentation": 
}<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>
<dl><dt>enumType</dt><dd>null</dd><dt>fluentlySetterDocumentation</dt><dd/>
<dt>c2jName</dt><dd>"IpPermissions",
  "c2jShape": "IpPermissionList",
  "deprecated": false,
  "documentation": 
"A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.
</dl>
chained together.

"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a
CIDR IP address range.</p>
@return A set of IP permissions. You can't specify a destination security group and a
CIDR IP address range.*/",
"getterMethodName" : "getIpPermissions",
"getterModel" : {
"returnType" : "java.util.List<IpPermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpPermissions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipPermissions",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "IpPermission",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that
method calls can be chained together.*="/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "IpPermission",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},

"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},

"xmlnsSpaceUri" : null
},

"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": false,
"simpleType": "IpPermission",
"templateImplType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType": "java.util.List<IpPermission>",
},
"map": false,
"mapModel": null,
"name": "IpPermissions",
"setterDocumentation": "/**
<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>\n@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range. */",
"setterMethodName": "setIpPermissions",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName": "ipPermissions",
  "variableType": "java.util.List<IpPermission>",
  "documentation": "",
  "simpleType": "List<IpPermission>",
  "variableSetterType": "java.util.Collection<IpPermission>"
},
"simple": false,
"varargSetterDocumentation": "/**
<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>\n@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range. */
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setIpPermissions(java.util.Collection) } or { @link #withIpPermissions(java.util.Collection) } if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName": "ipPermissions",
  "variableType": "java.util.List<IpPermission>",
  "documentation": 
<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>",
  "simpleType": "List<IpPermission>",
  "variableSetterType": "java.util.Collection<IpPermission>"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "CidrIp": {
    "c2jName": "CidrIp",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": 
<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
    "enumType": null,
    "fluentSetterDocumentation": 
<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>\n@returns The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.
}
}
that you specify the CIDR range in a set of IP permissions instead.

```java
fluentSetterMethodName" : "withCidrIp",
"getterDocumentation" : "/**<p>The CIDR IPv4 address range. We recommend that you specify the CIDR
range in a set of IP permissions instead.</p>@return The CIDR IPv4 address range. We recommend that you
specify the CIDR range in a set of IP permissions instead.*/",
"getterMethodName" : "getCidrIp",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CidrIp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrIp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**<p>The CIDR IPv4 address range. We recommend that you specify the CIDR
range in a set of IP permissions instead.</p>@param cidrIp The CIDR IPv4 address range. We recommend that you
specify the CIDR range in a set of IP permissions instead.*/",
"setterMethodName" : "setCidrIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR IPv4 address range. We recommend that you specify the
CIDR range in a set of IP permissions instead.</p>@param cidrIp The CIDR IPv4 address range. We recommend that you
specify the CIDR range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
```

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that method calls can be chained together. */
,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a
set of IP permissions instead.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FromPort" : {
  "c2jName" : "FromPort",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We
recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you
specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method
calls can be chained together. */
,
"fluentSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP

type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you
specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method
calls can be chained together. */
,
"getterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type

number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@return The start
of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port
range in a set of IP permissions instead. */
,
"getMethodName" : "getFromPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FromPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "fromPort",
  "uri" : false
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"IpPermissions" : {
    "c2jName" : "IpPermissions",
    "c2jShape" : "IpPermissionList",
    "deprecated" : false,
    "documentation" : "A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.<p/>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.<p>
@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIpPermissions",
    "getterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.<p>
@return A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.*/",
    "getterMethodName" : "getIpPermissions",
    "getterModel" : {
        "returnType" : "java.util.List<IpPermission>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "IpPermissions",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ipPermissions",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "IpPermission",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
"
method calls can be chained together.*\n*/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "IpPermission",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "IpPermission",
"variableName" : "member",
"variableType" : "IpPermission",
"documentation" : "",
"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IpPermission",
"variableName" : "member",
"variableType" : "IpPermission",
"documentation" : "",
"simpleType" : "IpPermission"}
"variableSetterType" : "IpPermission",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>"
",
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a
CIDR IP address range.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setIpPermissions(java.util.Collection) } or { @link #withIpPermissions(java.util.Collection) } if you want to override the existing values.</p>
@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setIpPermissions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName" : "ipPermissions",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setIpPermissions(java.util.Collection) } or { @link #withIpPermissions(java.util.Collection) } if you want to override the existing values.</p>
@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName" : "ipPermissions",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
}
,"xmlNameSpaceUri" : null
{"IpProtocol": {
  "c2jName": "IpProtocol",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.",
  "enumType": null,
  "fluentSetterDocumentation": "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
  @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "withIpProtocol",
  "getterDocumentation": "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
  @return The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.",
  "getterMethodName": "getIpProtocol",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "IpProtocol",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ipProtocol",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "IpProtocol",
  "setterDocumentation": "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
  @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
  @return Returns a reference to this object so that method calls can be chained together.",
  "setterMethodName": "setIpProtocol",
  "setterModel": {
    "variableDeclarationType": "String",
"
"variableName" : "ipProtocol",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>
@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ipProtocol",
"variableType" : "String",
"documentation" : "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead."
},
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceSecurityGroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceSecurityGroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>*/",
"setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : "<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>"",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SourceSecurityGroupOwnerId" : {
"c2jName" : "SourceSecurityGroupOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
"getterMethodName" : "getSourceSecurityGroupOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSecurityGroupOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceSecurityGroupOwnerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
"setterMethodName" : "setSourceSecurityGroupOwnerId"
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "**\*<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>\n@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : "The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ToPort" : {
    "c2jName" : "ToPort",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"http" : {
    "getterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getToPort",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
        "c2jName" : "ToPort",
        "c2jShape" : "Integer",
        "deprecated" : false,
        "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ToPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "toPort",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupId" ],
"shapeName" : "AuthorizeSecurityGroupEgressRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AuthorizeSecurityGroupEgressRequest",
  "variableName" : "authorizeSecurityGroupEgressRequest",
  "variableType" : "AuthorizeSecurityGroupEgressRequest",
  "documentation" : null,
  "simpleType" : "AuthorizeSecurityGroupEgressRequest",
  "variableSetterType" : "AuthorizeSecurityGroupEgressRequest"
},
"wrapper" : false
},
"AuthorizeSecurityGroupEgressResult" : {
  "c2jName" : "AuthorizeSecurityGroupEgressResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "AuthorizeSecurityGroupEgressResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "AuthorizeSecurityGroupEgressResult",
    "variableName" : "authorizeSecurityGroupEgressResult"}
"variableType" : "AuthorizeSecurityGroupEgressResult",
"documentation" : null,
"simpleType" : "AuthorizeSecurityGroupEgressResult",
"variableSetterType" : "AuthorizeSecurityGroupEgressResult"},
"wrapper" : false,
"AuthorizeSecurityGroupIngressRequest" : {
"c2jName" : "AuthorizeSecurityGroupIngressRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
},
"deprecated" : false,
"documentation" : "Contains the parameters for AuthorizeSecurityGroupIngress."
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "AuthorizeSecurityGroupIngress",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null,
},
"members" : [{
  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the security group.
  
  param
  groupName [EC2-Classic, default VPC] The name of the security group.
  
  return
  Returns a reference to this object so that method calls can be chained together.
  
  fluentSetterDocumentation" : "The name of the security group.
  
  fluentSetterMethodName" : "withGroupName",
  "getterDocumentation" : "The name of the security group.
  
  getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"wrapper" : false,
"AuthorizeSecurityGroupIngressRequest" : {
"c2jName" : "AuthorizeSecurityGroupIngressRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
},
"deprecated" : false,
"documentation" : "Contains the parameters for AuthorizeSecurityGroupIngress."
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "AuthorizeSecurityGroupIngress",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null,
},
"members" : [{
  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the security group.
  
  param
  groupName [EC2-Classic, default VPC] The name of the security group.
  
  return
  Returns a reference to this object so that method calls can be chained together.
  
  fluentSetterDocumentation" : "The name of the security group.
  
  fluentSetterMethodName" : "withGroupName",
  "getterDocumentation" : "The name of the security group.
  
  getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"wrapper" : false,
"http": { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupId",
"c2jShape" : "String"
"deprecated": false,
"documentation": "<p>The ID of the security group. Required for a nondefault VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the security group. Required for a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGroupId",
"getterDocumentation": "/**<p>The ID of the security group. Required for a nondefault VPC.</p>
@return The ID of the security group. Required for a nondefault VPC.*/",
"getterMethodName": "getGroupId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "GroupId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupId",
"setterDocumentation": "/**<p>The ID of the security group. Required for a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setGroupId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "groupId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the security group. Required for a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.*/"}
VPC. 

@param groupId The ID of the security group. Required for a nondefault VPC.

@return Returns a reference to this object so that method calls can be chained together.*"/>

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "groupId",
    "variableType" : "String",
    "documentation" : "The ID of the security group. Required for a nondefault VPC.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceSecurityGroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

@parameter sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

@return Returns a reference to this object so that method calls can be chained together.*"*/

"fluentSetterDocumentation" : "/**[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

@parameter sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

@return Returns a reference to this object so that method calls can be chained together.*"*/

"fluentSetterMethodName" : "withSourceSecurityGroupName",
"getterDocumentation" : "/**[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

@parameter sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.*"*/

"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
**setterDocumentation**: 

```/**
[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"},
"xmlNameSpaceUri" : null}, {
    "c2jName" : "SourceSecurityGroupOwnerId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
    "getterDocumentation" : "/**<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>
@return [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.*/",
    "getterMethodName" : "getSourceSecurityGroupOwnerId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
}
"http": {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceSecurityGroupOwnerId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SourceSecurityGroupOwnerId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SourceSecurityGroupOwnerId",
  "setterDocumentation" : "/**<p>[EC2-Classic] The AWS account number for the source security group, if the
source security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range.
Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>\n@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.*/",
  "setterMethodName" : "setSourceSecurityGroupOwnerId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>[EC2-Classic] The AWS account number for the source security group, if the
source security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>\n@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.*/"
rule with a specific IP protocol and port range, use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupId",
"variableType" : "String",
"documentation" : "[EC2-Classic] The AWS account number for the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range.
Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range,
use a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IpProtocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <codetcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

@returns {Object} Returns a reference to this object so that method calls can be chained together.*/

,, "getterDocumentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For
The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For protocol <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.*/

```java
getterMethodName" : "getIpProtocol",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IpProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For protocol <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.
```
<code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed. /*

"setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed. <p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed. <p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : ">
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed. <p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FromPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : ">
<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types. <p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use \<code>-1</code> to specify all types.</p>@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use \<code>-1</code> to specify all types.%<p>@return Returns a reference to this object so that method calls can be chained together.%*/",
"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use \<code>-1</code> to specify all types.</p>@return The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use \<code>-1</code> to specify all types.%*/",
"getterMethodName" : "getFromPort",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FromPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use \<code>-1</code> to specify all types.</p>@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use \<code>-1</code> to specify all types.%*/",
"setterMethodName" : "setFromPort",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer".
}
"variableSetterType" : "Integer",
,"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p>@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "Integer",
"xmlNameSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>@return The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.*/",
"getterMethodName" : "getToPort",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ToPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ToPort",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.*/

"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.

@return Returns a reference to this object so that method calls can be chained together.*/

 variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.

},
"xmlNameSpaceUri" : null
},
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group."}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>\n@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrIp",
"getterDocumentation" : "/**\n<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>\n@return The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.*/",
"getterMethodName" : "getCidrIp",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CidrIp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**\n<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>\n@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.\n*/",
"setterMethodName" : "setCidrIp",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "cidrIp",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IpPermissions",
"c2jShape" : "IpPermissionList",
"deprecated" : false,
"documentation" : "<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>
@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>
@return A set of IP permissions. Can be used to specify multiple rules in a single command.*/",
"getterMethodName" : "getIpPermissions",
"getterModel" : {
  "returnType" : "java.util.List<IpPermission>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpPermissions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "IpPermissions",
  "uri" : false
},
"idempotencyToken" : false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "IpPermission",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/*\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/*\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "IpPermission",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/*\n@param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "IpPermission",
      "variableName": "member",
      "variableType": "IpPermission",
      "documentation": "",
      "simpleType": "IpPermission",
    }
  }
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/*\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "IpPermission",
  "variableName": "member",
  "variableType": "IpPermission",
  "documentation": "",
  "simpleType": "IpPermission",
}
"variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* @param member
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**
* A set of IP permissions. Can be used to specify multiple rules in a single command.
* @param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.*/",
"setterMethodName" : "setIpPermissions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* A set of IP permissions. Can be used to specify multiple rules in a single command.
* @param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.
* @return Returns a reference to this object so that method calls can be chained
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 3375
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>*/",
"setterMethodName" : "setCidrIp",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "cidrIp",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "cidrIp",
   "variableType" : "String",
   "documentation" : "The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.

   \n@return Returns a reference to this object so that method calls can be chained together.
   */",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FromPort" : {
   "c2jName" : "FromPort",
   "c2jShape" : "Integer",
   "deprecated" : false,
   "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p>

   <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p>

   <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "getterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p>

   <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "setterMethodName" : "withFromPort",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "fromPort",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.

   <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "fromPort",
      "variableType" : "String",
      "documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.

   <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.

```java
\n@return The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.*\/
```

```java
"getterMethodName" : "getFromPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FromPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FromPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/*\nThe start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.*/",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*\nThe start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.*/"]@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.*\n@return Returns a reference to this object so that method calls can be chained together.*\n"}
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use &lt;code&gt;-1&lt;/code&gt; to specify all types.&lt;/p&gt;",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the security group. Required for a nondefault VPC.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;The ID of the security group. Required for a nondefault VPC.&lt;/p&gt;&lt;n&gt;@param groupId The ID of the security group. Required for a nondefault VPC.&lt;/n&gt;&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.*&lt;/p&gt;*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/*&lt;p&gt;The ID of the security group. Required for a nondefault VPC.&lt;/p&gt;&lt;n&gt;@return Returns the ID of the security group. Required for a nondefault VPC.*&lt;/p&gt;*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "GroupId",
"setterDocumentation": "/**\n<p>The ID of the security group. Required for a nondefault VPC.</p>\n@param groupId The ID of the security group. Required for a nondefault VPC. */",
"setterMethodName": "setGroupId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "groupId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the security group. Required for a nondefault VPC.</p>\n@param groupId The ID of the security group. Required for a nondefault VPC.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "groupId",
  "variableType": "String",
  "documentation": "<p>The ID of the security group. Required for a nondefault VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"GroupName": {
  "c2jName": "GroupName",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withGroupName",
  "getterDocumentation": "/**\n<p>[EC2-Classic, default VPC] The name of the security group.</p>\n@return The name of the security group.\n*/",
  "getterMethodName": "getGroupName",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : /**<p>
[EC2-Classic, default VPC] The name of the security group. */
@param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together. */

"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>
[EC2-Classic, default VPC] The name of the security group.
</p>
@param groupName [EC2-Classic, default VPC] The name of the security group.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>
[EC2-Classic, default VPC] The name of the security group.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpPermissions" : {
  "c2jName" : "IpPermissions",
  "c2jShape" : "IpPermissionList",
  "deprecated" : false,
  "documentation" : "<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>@return A set of IP permissions. Can be used to specify multiple rules in a single command.*/",
"getterMethodName" : "getIpPermissions",
"getterModel" : {
"returnType" : "java.util.List<IpPermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpPermissions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IpPermissions",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "IpPermission",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "IpPermission",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 @param member 
 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>",&
}
,map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**
 * A set of IP permissions. Can be used to specify multiple rules in a single command.
 */
@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.*",
"setterMethodName" : "setIpPermissions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * A set of IP permissions. Can be used to specify multiple rules in a single command.
 */
@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.
@return Returns a reference to this object so that method calls can be chained together.*",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "A set of IP permissions. Can be used to specify multiple rules in a single command.
",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>
},
"xmlNameSpaceUri" : null
},
"IpProtocol" : {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>,<code>udp</code>,<code>icmp</code>,<code>58</code>,

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<code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

**enumType**: null,

**fluentSetterDocumentation**: "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>

@<p@return>Return a reference to this object so that method calls can be chained together.*///

**fluentSetterMethodName**: "withIpProtocol",

**getterDocumentation**: "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>

@return The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>

**getterMethodName**: "getIpProtocol",

**getterModel**: {
"returnType": "String",
"documentation": null
},

**http**: {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IpProtocol",

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The IP protocol name (\texttt{tcp}), (\texttt{udp}), or number (see a \href{http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml}{Protocol Numbers}) does not have to be specified. However, if you specify the protocol number, the port range must be specified.

**setIpProtocol**

The IP protocol name (\texttt{tcp}), (\texttt{udp}), or number (see a \href{http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml}{Protocol Numbers}) must be specified. If you do not specify a protocol number, the traffic on all ports is allowed, regardless of any ports you specify. For protocol number \texttt{-1}, traffic on all ports is allowed, regardless of any ports you specify. For protocol number \texttt{58}, traffic on all ports is allowed, regardless of any ports you specify. For protocol number \texttt{-1}, traffic on all ports is allowed, regardless of any ports you specify.
<code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

```java
@Override
public void execute() {
    // Code implementation
}
```

/**
 * The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>)
 or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol
Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code> or a
protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

```java
public void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```java
void execute() {
    // Code implementation
}
```

```
```
instead. For EC2-VPC, the source security group must be in the same VPC. */

/**
 * [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC. */

.setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "sourceSecurityGroupName",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start
of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

```java
public void createRule(String protocol, int startPort, int endPort, String srcGroupId)
```

- **SourceSecurityGroupName**
  - Type: String
  - Default: EC2-Classic, default VPC
  - Description: The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

- **SourceSecurityGroupOwnerId**
  - Type: String
  - Default: EC2-Classic
  - Description: The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.
group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.

```json
"getterMethodName" : "getSourceSecurityGroupOwnerId",
"getterModel" : { 
  "returnType" : "String",
  "documentation" : null
 },
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSecurityGroupOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceSecurityGroupOwnerId",
  "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/*<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.*"*/",
"setterMethodName" : "setSourceSecurityGroupOwnerId",
"setterModel" : { 
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
 }
```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : "[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.
    
    @param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.
    
    @return Returns a reference to this object so that method calls can be chained together.
",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"ToPort" : {
    "c2jName" : "ToPort",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.
    
    @param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.
    
    @return Returns a reference to this object so that method calls can be chained together.
",
    "enumType" : null,
    "fluentSetterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.
    
    @param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.
    
    @return Returns a reference to this object so that method calls can be chained together.
",
    "getterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.
    
    @return The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.
",
    "getterMethodName" : "getToPort",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ToPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ToPort",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@vararg\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlnsSpaceUri" : null
},
"required" : false,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"shapeName" : "AuthorizeSecurityGroupIngressRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AuthorizeSecurityGroupIngressRequest",
  "variableName" : "authorizeSecurityGroupIngressRequest",
  "variableType" : "AuthorizeSecurityGroupIngressRequest",
  "documentation" : null,
  "simpleType" : "AuthorizeSecurityGroupIngressRequest",
  "variableSetterType" : "AuthorizeSecurityGroupIngressRequest"
},
"wrapper" : false
},
"AuthorizeSecurityGroupIngressResult" : {
  "c2jName" : "AuthorizeSecurityGroupIngressResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "AuthorizeSecurityGroupIngressResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "AuthorizeSecurityGroupIngressResult",
    "variableName" : "authorizeSecurityGroupIngressResult"}
"variableType" : "AuthorizeSecurityGroupIngressResult",
"documentation" : null,
"simpleType" : "AuthorizeSecurityGroupIngressResult",
"variableSetterType" : "AuthorizeSecurityGroupIngressResult"
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"wrapper" : false
},
"AutoPlacement" : [
"c2jName" : "AutoPlacement",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "On",
"value" : "on"
}, {
"name" : "Off",
"value" : "off"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AutoPlacement",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "AutoPlacement",
"variableName" : "autoPlacement",
"variableType" : "AutoPlacement",
"documentation" : null,
"simpleType" : "AutoPlacement",
"variableSetterType" : "AutoPlacement"
"AvailabilityZone" : {
  "c2jName" : "AvailabilityZone",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an Availability Zone.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "ZoneName",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The name of the Availability Zone.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The name of the Availability Zone.</p>
@returns The name of the Availability Zone.</returns> */",
      "fluentSetterMethodName" : "withZoneName",
      "getterDocumentation" : "/**<p>The name of the Availability Zone.</p>
@returns The name of the Availability Zone.</returns> */",
      "getterMethodName" : "getZoneName",
      "getModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ZoneName",
        "queryString" : false,
        "statusCode" : false,
        "statusMessage" : null
      }
    }
  ]
}
"unmarshalLocationName" : "zoneName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ZoneName",
"setterDocumentation" : "/**<p>The name of the Availability Zone.</p>
@param zoneName The name of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setZoneName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "zoneName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the Availability Zone.</p>
@param zoneName The name of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "zoneName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Availability Zone.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "State",
  "c2jShape" : "AvailabilityZoneState",
  "deprecated" : false,
  "documentation" : "<p>The state of the Availability Zone.</p>
  "enumType" : "AvailabilityZoneState",
  "fluentSetterDocumentation" : "/**<p>The state of the Availability Zone.</p>
  @param state The state of the Availability Zone.
  @return Returns a reference to this object so that method calls can be chained together.
  @see AvailabilityZoneState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The state of the Availability Zone.</p>
  @return The state of the Availability Zone.
  @see AvailabilityZoneState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
  },
"documentation": null,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ZoneState",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "zoneState",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "State",
"setterDocumentation": "<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@see AvailabilityZoneState*/",
"setterMethodName": "setState",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZoneState*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "<p>The state of the Availability Zone.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"c2jName": "RegionName",
"c2jShape": "String",
"deprecated": false,
"documentation": "&lt;p&gt;The name of the region.&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**&lt;p&gt;The name of the region.&lt;/p&gt;&lt;\n@\param regionName The name of the region.&lt;/p&gt;&lt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;/\n**",
"fluentSetterMethodName": "withRegionName",
"getterDocumentation": "/**&lt;p&gt;The name of the region.&lt;/p&gt;&lt;\n@return The name of the region.&lt;/\n**",
"getterMethodName": "getRegionName",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RegionName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "regionName",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RegionName",
"setterDocumentation": "/**&lt;p&gt;The name of the region.&lt;/p&gt;&lt;\n@\param regionName The name of the region.&lt;/p&gt;&lt;\n**",
"setterMethodName": "setRegionName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "regionName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**&lt;p&gt;The name of the region.&lt;/p&gt;&lt;\n@\param regionName The name of the region.&lt;/p&gt;&lt;\n**"
region.

*return* Returns a reference to this object so that method calls can be chained together. */

```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "regionName",
    "variableType" : "String",
    "documentation" : "<p>The name of the region.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Messages",
"c2jShape" : "AvailabilityZoneMessageList",
"deprecated" : false,
"documentation" : "<p>Any messages about the Availability Zone.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@param messages
Any messages about the Availability Zone.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessages",
"getterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@return Any messages about the Availability Zone.*/",
"getterMethodName" : "getMessages",
"getterModel" : {
    "returnType" : "java.util.List<AvailabilityZoneMessage>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MessageSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "messageSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {

"c2jName" : "member",
"c2jShape" : "AvailabilityZoneMessage",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
* param member 
* return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
* return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "AvailabilityZoneMessage",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
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    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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    "variableName" : "member",
    "variableType" : "AvailabilityZoneMessage",
    "documentation" : "",
    "simpleType" : "AvailabilityZoneMessage",
    "variableSetterType" : "AvailabilityZoneMessage"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* param member 
* return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "AvailabilityZoneMessage",
  "variableName" : "member",
  "variableType" : "AvailabilityZoneMessage",
  "documentation" : "",
  "simpleType" : "AvailabilityZoneMessage",
  "variableSetterType" : "AvailabilityZoneMessage"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "AvailabilityZoneMessage",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AvailabilityZoneMessage",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"templateType" : "java.util.List<AvailabilityZoneMessage>"
},
"map" : false,
"mapModel" : null,
"name" : "Messages",
"setterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@param messages Any messages about the Availability Zone.*/",
"setterMethodName" : "setMessages",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
  "variableName" : "messages",
  "variableType" : "java.util.List<AvailabilityZoneMessage>",
  "documentation" : "",
  "simpleType" : "List<AvailabilityZoneMessage>",
  "variableSetterType" : "java.util.Collection<AvailabilityZoneMessage>"
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@param messages Any messages about the Availability Zone.*/
@link #setMessages(java.util.Collection) or 
@link #withMessages(java.util.Collection) if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
  "variableName" : "messages",
  "variableType" : "java.util.List<AvailabilityZoneMessage>",
  "documentation" : "<p>Any messages about the Availability Zone.</p>",
  "simpleType" : "List<AvailabilityZoneMessage>"
"variableSetterType" : "java.util.Collection<AvailabilityZoneMessage>",
"xmlNameSpaceUri" : null
"membersAsMap" : {
"Messages" : {
"c2jName" : "Messages",
"c2jShape" : "AvailabilityZoneMessageList",
"deprecated" : false,
"documentation" : "<p>Any messages about the Availability Zone.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@param messages
Any messages about the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessages",
"getterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@return Any messages about the Availability Zone.*/",
"getterMethodName" : "getMessages",
"getterModel" : {
"returnType" : "java.util.List<AvailabilityZoneMessage>",
"documentation" : null}
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MessageSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "messageSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "AvailabilityZoneMessage",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "AvailabilityZoneMessage",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "AvailabilityZoneMessage",
"variableName" : "member",
"variableType" : "AvailabilityZoneMessage",
"documentation" : "",
"simpleType" : "AvailabilityZoneMessage",
"variableSetterType" : "AvailabilityZoneMessage"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "AvailabilityZoneMessage",
"variableName" : "member",
"variableType" : "AvailabilityZoneMessage",
"documentation" : ""},
"simple" : false,
"simpleType" : "AvailabilityZoneMessage",
"variableSetterType" : "AvailabilityZoneMessage"
},
"xmlnsNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "AvailabilityZoneMessage",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AvailabilityZoneMessage",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"templateType" : "java.util.List<AvailabilityZoneMessage>"
},
"map" : false,
"mapModel" : null,
"name" : "Messages",
"setterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@param messages Any messages about the Availability Zone.*/",
"setterMethodName" : "setMessages",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"variableName" : "messages",
"variableType" : "java.util.List<AvailabilityZoneMessage>",
"documentation" : "",
"simpleType" : "List<AvailabilityZoneMessage>",
"variableSetterType" : "java.util.Collection<AvailabilityZoneMessage>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
**
@param messages Any messages about the Availability Zone.*/

This method appends the values to the existing list (if any). Use {@link #setMessages(java.util.Collection)} or {
@link #withMessages(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"variableName" : "messages",
"variableType" : "java.util.List<AvailabilityZoneMessage>",
"documentation" : "Any messages about the Availability Zone."",
"simpleType" : "List<AvailabilityZoneMessage>",
"variableSetterType" : "java.util.Collection<AvailabilityZoneMessage>"
},
"xmlnsNameSpaceUri" : null
],
"RegionName" : {
"simpleType" : "AvailabilityZoneMessage",
"variableSetterType" : "AvailabilityZoneMessage"
}
region.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "regionName",
    "variableType" : "String",
    "documentation" : "<p>The name of the region.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"State" : {
    "c2jName" : "State",
    "c2jShape" : "AvailabilityZoneState",
    "deprecated" : false,
    "documentation" : "<p>The state of the Availability Zone.</p>",
    "enumType" : "AvailabilityZoneState",
    "fluentSetterDocumentation" : "/**<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZoneState*/",
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/**<p>The state of the Availability Zone.</p>
@return The state of the Availability Zone.
@see AvailabilityZoneState*/",
    "getterMethodName" : "getState",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "zoneState",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,

"name" : "State",
"setterDocumentation" : "/**<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@see AvailabilityZoneState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZoneState*/",
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"ZoneName" : {
  "c2jName" : "ZoneName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "/p>The name of the Availability Zone.</p>
@param zoneName The name of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZoneState*/",
"fluentSetterMethodName" : "withZoneName",
"getterDocumentation" : "/**<p>The name of the Availability Zone.</p>
@return The name of the Availability Zone.
@see AvailabilityZoneState*/",
"getterMethodName" : "getZoneName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
**AvailabilityZone**

```java
/**<p>The name of the Availability Zone.</p>
@param zoneName The name of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together. */

```

```java
/**<p>The name of the Availability Zone.</p>
@param zoneName The name of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together. */
```
AvailabilityZoneMessage

Describes a message about an Availability Zone.

```json
"resultWrapper": null,
"variable": {
  "variableDeclarationType": "AvailabilityZone",
  "variableName": "availabilityZone",
  "variableType": "AvailabilityZone",
  "documentation": null,
  "simpleType": "AvailabilityZone",
  "variableSetterType": "AvailabilityZone"
},
"wrapper": false
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"AvailabilityZoneMessage": {
  "c2jName": "AvailabilityZoneMessage",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "Describes a message about an Availability Zone.",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The message about the Availability Zone.",
    "enumType": null,
    "fluentSetterDocumentation": "/** <p>The message about the Availability Zone.</p>*/
    "getterDocumentation": "@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "withMessage",
    "getterMethodName": "getMessage",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {}
  ]
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "message",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>The message about the Availability Zone.</p>
@param message The message about the Availability Zone.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The message about the Availability Zone.</p>
@param message The message about the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "<p>The message about the Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "Message" : {
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    "c2jShape" : "String",
    "setterDocumentation" : "/**<p>The message about the Availability Zone.</p>
@param message The message about the Availability Zone.*/",
    "setterMethodName" : "setMessage",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "message",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The message about the Availability Zone.</p>
@param message The message about the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
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      "variableName" : "message",
      "variableType" : "String",
      "documentation" : "<p>The message about the Availability Zone.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
} ]
"deprecated": false,
"documentation": "The message about the Availability Zone.
@returns Returns a reference to this object so that method calls can be chained together.

/** @param message The message about the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName": "withMessage",
"getterMethodname": "getMessage",
"getterModel": { "returnType": "String", "documentation": null },
"http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": true, "isStreaming": false, "location": null, "marshallLocationName": "Message", "queryString": false, "statusCode": false, "unmarshallLocationName": "message", "uri": false },
"idempotencyToken": false,
"list": false,
"listModel": null, "map": false, "mapModel": null, "name": "Message",
"setterDocumentation": "The message about the Availability Zone.
@returns Returns a reference to this object so that method calls can be chained together. */

"setterMethodname": "setMessage",
"setterModel": { "variableDeclarationType": "String", "variableName": "message", "variableType": "String", "documentation": null, "simpleType": "String", "variableSetterType": "String" },
"simple": true,
"varargSetterDocumentation": "The message about the Availability Zone."}
message about the Availability Zone.

@returns Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
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  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "<p>The message about the Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AvailabilityZoneMessage",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "AvailabilityZoneMessage",
  "variableName" : "availabilityZoneMessage",
  "variableType" : "AvailabilityZoneMessage",
  "documentation" : null,
  "simpleType" : "AvailabilityZoneMessage",
  "variableSetterType" : "AvailabilityZoneMessage"
},
"wrapper" : false
},
"AvailabilityZoneState" : {
  "c2jName" : "AvailabilityZoneState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Available",
    "value" : "available"
  }, {
    "name" : "Information",
    "value" : "information"
  }]
"name" : "Impaired",
"value" : "impaired"
},

"name" : "Unavailable",
"value" : "unavailable"
}]
,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AvailabilityZoneState",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "AvailabilityZoneState",
  "variableName" : "availabilityZoneState",
  "variableType" : "AvailabilityZoneState",
  "documentation" : null,
  "simpleType" : "AvailabilityZoneState",
  "variableSetterType" : "AvailabilityZoneState"
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"wrapper" : false
,
"AvailableCapacity" : {
  "c2jName" : "AvailableCapacity",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>The capacity information for instances launched onto the Dedicated Host.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "AvailableCapacity",
  "unmarshaller" : {
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    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "availableCapacity",
    "variableType" : "AvailableCapacity",
    "documentation" : null,
    "simpleType" : "AvailableCapacity",
    "variableSetterType" : "AvailableCapacity"
  },
  "wrapper" : false
}
"marshaller": null,
"members": [
  {
    "c2jName": "AvailableInstanceCapacity",
    "c2jShape": "AvailableInstanceCapacityList",
    "deprecated": false,
    "documentation": "<p>The total number of instances that the Dedicated Host supports.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The total number of instances that the Dedicated Host supports.</p>
@\n@param availableInstanceCapacity The total number of instances that the Dedicated Host supports.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withAvailableInstanceCapacity",
    "getterDocumentation": "/**\n@\n{return The total number of instances that the Dedicated Host supports.}*/",
    "getterMethodName": "getAvailableInstanceCapacity",
    "getterModel": {
      "returnType": "java.util.List<InstanceCapacity>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "AvailableInstanceCapacity",
      "queryString": false,
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      "unmarshallLocationName": "availableInstanceCapacity",
      "uri": false
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    "idempotencyToken": false,
    "list": true,
    "listModel": {
      "implType": "com.amazonaws.internal.SdkInternalList",
      "interfaceType": "java.util.List",
      "listMemberModel": {
        "c2jName": "member",
        "c2jShape": "InstanceCapacity",
        "deprecated": false,
        "documentation": "",
        "enumType": null,
        "fluentSetterDocumentation": "/**\n@\n@param member
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withMember",
        "getterDocumentation": "/**\n@\n{return */",
        "getterMethodName": "getMember",
        "getterModel": {
          "returnType": "java.util.List<InstanceCapacity>",
          "documentation": null
        }
      }
    }
  }
]
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "InstanceCapacity",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Member",

"setterDocumentation" : "/**
@param member */",

"setterMethodName" : "setMember",

"setterModel" : {
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  "variableName" : "member",
  "variableType" : "InstanceCapacity",
  "documentation" : "",
  "simpleType" : "InstanceCapacity",
  "variableSetterType" : "InstanceCapacity"
},

"simple" : false,

"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "InstanceCapacity",
  "variableName" : "member",
  "variableType" : "InstanceCapacity",
  "documentation" : "",
  "simpleType" : "InstanceCapacity",
  "variableSetterType" : "InstanceCapacity"
},

"xmlNameSpaceUri" : null
"enumType": null,
"fluentSetterDocumentation": "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCPus The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAvailableVCPus",
"getterDocumentation": "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@return The number of vCPUs available on the Dedicated Host.*/",
"getterMethodName": "getAvailableVCPus",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AvailableVCPus",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "availableVCPus",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AvailableVCPus",
"setterDocumentation": "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCPus The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setAvailableVCPus",
"setterModel": {
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  "variableName": "availableVCPus",
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  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCPus The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/", "enumType": null,
"variable" : {
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  "variableName" : "availableVCpus",
  "variableType" : "Integer",
  "documentation" : "<p>The number of vCPUs available on the Dedicated Host.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
  "AvailableInstanceCapacity" : {
    "c2jName" : "AvailableInstanceCapacity",
    "c2jShape" : "AvailableInstanceCapacityList",
    "deprecated" : false,
    "documentation" : "<p>The total number of instances that the Dedicated Host supports.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The total number of instances that the Dedicated Host
supports.</p*@param availableInstanceCapacity The total number of instances that the Dedicated Host
supports.</param@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAvailableInstanceCapacity",
    "getterDocumentation" : "/**<p>The total number of instances that the Dedicated Host supports.</p>@return The total number of instances that the Dedicated Host supports.</return>",
    "getterMethodName" : "getAvailableInstanceCapacity",
    "getterModel" : {
      "returnType" : "java.util.List<InstanceCapacity>",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      " statusCode" : false,
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      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
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      "interfaceType" : "java.util.List",
      "javaType" : "java.util.List<InstanceCapacity>",
      "listModelName" : "AvailableInstanceCapacityList",
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"listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceCapacity",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "InstanceCapacity",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "InstanceCapacity",
        "variableName" : "member",
        "variableType" : "InstanceCapacity",
        "documentation" : "",
        "simpleType" : "InstanceCapacity",
        "variableSetterType" : "InstanceCapacity"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "InstanceCapacity",
        "variableName" : "member",
        "variableType" : "InstanceCapacity",
        "documentation" : "",
        "simpleType" : "InstanceCapacity",
        "variableSetterType" : "InstanceCapacity"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceCapacity",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceCapacity",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceCapacity>",
"templateType" : "java.util.List<InstanceCapacity>
},
"map" : false,
"mapModel" : null,
"name" : "AvailableInstanceCapacity",
"setterDocumentation" : "/**
 * The total number of instances that the Dedicated Host supports.
 */
@param availableInstanceCapacity The total number of instances that the Dedicated Host supports.*/",

    "setterMethodName" : "setAvailableInstanceCapacity",
    "setterModel" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceCapacity>",
        "variableName" : "availableInstanceCapacity",
        "variableType" : "java.util.List<InstanceCapacity>",
        "documentation" : "",
        "simpleType" : "List<InstanceCapacity>",
        "variableSetterType" : "java.util.Collection<InstanceCapacity>"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>The total number of instances that the Dedicated Host supports.</p>\n@param availableInstanceCapacity The total number of instances that the Dedicated Host supports.*/",

    "variable" : {
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        "variableName" : "availableInstanceCapacity",
        "variableType" : "java.util.Collection<InstanceCapacity>"
"variableType" : "java.util.List<InstanceCapacity>",
"documentation" : "<p>The total number of instances that the Dedicated Host supports.</p>",
"simpleType" : "List<InstanceCapacity>",
"variableSetterType" : "java.util.Collection<InstanceCapacity>">
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"xmlNameSpaceUri" : null
},
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 "c2jName" : "AvailableVCpus",
 "c2jShape" : "Integer",
 "deprecated" : false,
 "documentation" : "<p>The number of vCPUs available on the Dedicated Host.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCpus The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withAvailableVCpus",
 "getterDocumentation" : "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@return The number of vCPUs available on the Dedicated Host.*/",
 "getterMethodName" : "getAvailableVCpus",
 "getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "availableVCpus",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "AvailableVCpus",
 "setterDocumentation" : "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCpus The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "availableVCpus",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "\*/\<p>The number of vCPUs available on the Dedicated Host.\</p>\n@param availableVCpus The number of vCPUs available on the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "Integer",
    "documentation" : "The number of vCPUs available on the Dedicated Host.\</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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    "resultWrapper" : null
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    "variableName" : "availableCapacity",
    "variableType" : "AvailableCapacity",
    "documentation" : null,
    "simpleType" : "AvailableCapacity",
    "variableSetterType" : "AvailableCapacity"
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  "value": "submitted"
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  "value": "active"
}, {
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  "value": "cancelled"
}, {
  "name": "Failed",
  "value": "failed"
}, {
  "name": "Cancelled_running",
  "value": "cancelled_running"
}, {
  "name": "Cancelled_terminating",
  "value": "cancelled_terminating"
}, {
  "name": "Modifying",
  "value": "modifying"
} ],
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"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "BatchState",
"unmarshaller": { 
  "flattened": false,
  "resultWrapper": null
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"variable": { 
  "variableDeclarationType": "BatchState",
  "variableName": "batchState",
  "variableType": "BatchState",
  "documentation": null,
  "simpleType": "BatchState",
  "variableSetterType": "BatchState"}
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  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "Describes a block device mapping."
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"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The virtual device name (ephemeralN). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI."
  }
],
"enumType" : null,
"fluentSetterDocumentation" : "The virtual device name (ephemeralN). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI."
"@param virtualName The virtual device name (ephemeralN). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI."
"return Returns a reference to this object so that method calls can be chained together."
"getVirtualName" : "withVirtualName",
"getVirtualName" : "The virtual device name (ephemeralN). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI."}
The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

The virtual device name (ephemeral0-N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

The virtual device name (ephemeral0-N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.
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"setterModel": {
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  "variableName": "virtualName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
<p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>
@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "virtualName",
  "variableType": "String",
  "documentation": "<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
<p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>
@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "DeviceName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).<br/>
</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).<br/>
@returns {string} Returns a reference to this object so that method calls can be chained together.*/",
"simpleType": "String",
"variableSetterType": "String"}
so that method calls can be chained together.*/*",
    "fluentSetterMethodName" : "withDeviceName",
    "getterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param The device name exposed to the instance (for 
example, <code>/dev/sdh</code> or <code>xvdh</code>). */",
    "setterMethodName" : "setDeviceName",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "deviceName",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the 
instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */",
    "setterMethodName" : "setDeviceName",
    "setterModel" : {
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        "variableName" : "deviceName",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the 
instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object 
so that method calls can be chained together. */",}
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  "variableType" : "String",
  "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Ebs",
"c2jShape" : "EbsBlockDevice",
"deprecated" : false,
"documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>\n@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbs",
"getterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>\n@return Parameters used to automatically set up EBS volumes when the instance is launched.*/",
"getterMethodName" : "getEbs",
"getterModel" : {
  "returnType" : "EbsBlockDevice",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ebs",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "Ebs",
"setterDocumentation": "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.</p>
*/",
"setterMethodName": "setEbs",
"setterModel": {
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  "variableType": "EbsBlockDevice",
  "documentation": "",
  "simpleType": "EbsBlockDevice",
  "variableSetterType": "EbsBlockDevice"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
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  "variableType": "EbsBlockDevice",
  "documentation": "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
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  "simpleType": "EbsBlockDevice",
  "variableSetterType": "EbsBlockDevice"
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"c2jName": "NoDevice",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>
",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>
@param noDevice Suppresses the specified device included in the block device mapping of the AMI.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
"fluentSetterMethodName": "withNoDevice",
"getterDocumentation": "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>
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"getterMethodName": "getNoDevice",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "noDevice",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NoDevice",
"setterDocumentation" : "/**\<p>Suppresses the specified device included in the block device mapping of the AMI.\</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.*/",
"setterMethodName" : "setNoDevice",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\<p>Suppresses the specified device included in the block device mapping of the AMI.\</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.\</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}],
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    "c2jName" : "DeviceName",
    "c2jShape" : "String"
  }
}];
"variableSetterType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**\n* The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n*\n* @param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>
@param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"Ebs" : {
"c2jName" : "Ebs",
"c2jShape" : "EbsBlockDevice",
"deprecated" : false,
"documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* Parameters used to automatically set up EBS volumes when the instance is launched.\n*\n* @param ebs Parameters used to automatically set up EBS volumes when the instance is launched.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbs",
"getterDocumentation" : "/**\n* Parameters used to automatically set up EBS volumes when the instance is launched.\n*\n* @return Parameters used to automatically set up EBS volumes when the instance is launched.*/",
"getMethodName" : "getEbs",
"getModel" : {
"returnType" : "EbsBlockDevice",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ebs",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName": "ebs",
"uri": false,
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ebs",
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"setterModel": {
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  "simpleType": "EbsBlockDevice",
  "variableSetterType": "EbsBlockDevice"
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"simple": false,
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  "variableType": "EbsBlockDevice",
  "documentation": "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
  "simpleType": "EbsBlockDevice",
  "variableSetterType": "EbsBlockDevice"
},
"xmlNameSpaceUri": null,
},
"NoDevice": {
  "c2jName": "NoDevice",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>@param noDevice Suppresses the specified device included in the block device mapping of the AMI.</p>@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withNoDevice",
  "getterDocumentation": "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>*/"
AMI.<p>@return Suppresses the specified device included in the block device mapping of the AMI.*/*

"getterMethodName" : "getNoDevice",
"getterModel" : {
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   "documentation" : null
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"http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
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   "marshallLocationName" : "NoDevice",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NoDevice",
"setterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.<p>@param noDevice Suppresses the specified device included in the block device mapping of the AMI.*/*

"setterMethodName" : "setNoDevice",
"setterModel" : {
   "variableDeclarationType" : "String",
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   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.<p>@param noDevice Suppresses the specified device included in the block device mapping of the AMI.<p>@return Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "noDevice",
   "variableType" : "String",
   "documentation" : "<p>Suppresses the specified device included in the block device mapping of the
The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

**Constraints:**
- For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

**Example:**
```xml
<virtualName>ephemeral0</virtualName>
```

**Usage note:** This block can have a maximum of 2 ephemeral devices.

**Additional notes:**
- For M3 instances, instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>.
- The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

**Example:**
```xml
<virtualName>ephemeral0</virtualName>
```

**Usage note:** This block can have a maximum of 2 ephemeral devices.

**Additional notes:**
- For M3 instances, instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>.
- The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

**Example:**
```xml
<virtualName>ephemeral0</virtualName>
```

**Usage note:** This block can have a maximum of 2 ephemeral devices.
The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI. 

Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI. 

The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.
volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
<p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
<p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

```java
@yield()

@variable(name="virtualName",
variableDeclarationType="String",
variableType="String",
documentation="The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.
",
returned="Returns a reference to this object so that method calls can be chained together."",
)

@requestSignerAware() == false,
@requestSignerClassFqn() == null,
@required() == null,
@unmarshaller() == "BlockDeviceMapping",
@unmarshallers() == {
  "flattened" == false,
  "resultWrapper" == null
},
@variable(name="blockDeviceMapping",
variableDeclarationType="String",
variableType="String",
documentation=null,
simpleType="String",
variableSetterType="String",
xmlNameSpaceUri=null
),
@wrapper() == false

"BundleInstanceRequest": {
  "c2jName": "BundleInstanceRequest",
  "customization": {

```
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for BundleInstance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "BundleInstance",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance to bundle.</p>
  <p>Type: String</p>
  <p>Default: None</p>
  <p>Required: Yes</p>
},

"enumType" : null,

"fluentSetterDocumentation" : "/**\n * The ID of the instance to bundle.</p>
 * Type: String</p>
 * Default: None</p>
 * Required: Yes</p>
 * \n * \n * @param instanceId The ID of the instance to bundle.</p>
 * Type: String</p>
 * Default: None</p>
 * Required: Yes</p>
 * \n * @return Returns a reference to this object so that method calls can be
 * chained together.*/",

"fluentSetterMethodName" : "withInstanceId",

"getterDocumentation" : "/**\n * The ID of the instance to bundle.</p>
 * Type: String</p>
 * Default: None</p>
 * Required: Yes</p>
 * \n * \n * @return The ID of the instance to bundle.</p>
 * Type: String</p>
 * Default: None</p>
 * Required: Yes</p>
 * \n * @return Returns a reference to this object so that method calls can be
 * chained together.*/",

"getterMethodName" : "getInstanceId",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusMessage" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n*p>The ID of the instance to bundle.&lt;/p&gt;\n*Type: String\n*Default: None\n*Required: Yes\n*\n*\n@param instanceId The ID of the instance to bundle.\n*Type: String\n*Default: None\n*Required: Yes*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The ID of the instance to bundle.&lt;/p&gt;\n*Type: String\n*Default: None\n*Required: Yes\n*\n*\n@param instanceId The ID of the instance to bundle.\n*Type: String\n*Default: None\n*Required: Yes\n*\n*\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "\n*p>The ID of the instance to bundle.&lt;/p&gt;\n*Type: String\n*Default: None\n*Required: Yes\n*",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Storage",
"c2jShape" : "Storage",
"deprecated" : false,
"documentation" : "<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you
already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
someone else, Amazon EC2 returns an error.</p>*/
@param storage The bucket in which to store the AMI. You can specify a bucket that you
already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
someone else, Amazon EC2 returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStorage",
"getterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you
already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
someone else, Amazon EC2 returns an error.</p>
@return The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/",
"getterMethodName" : "getStorage",
"getterModel" : {
"returnType" : "Storage",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Storage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Storage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Storage",
"setterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you
already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
someone else, Amazon EC2 returns an error.</p>*/
@param storage The bucket in which to store the AMI. You can specify a bucket that you
already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
someone else, Amazon EC2 returns an error.
*/
@return The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/",
"setterMethodName" : "setStorage",
"setterModel" : {
"variableDeclarationType" : "Storage",
"variableName" : "storage",}
"variableType" : "Storage",
"documentation" : "",
"simpleType" : "Storage",
"variableSetterType" : "Storage"
},
"simple" : false,
"varargSetterDocumentation" : "*/**<p>The bucket in which to store the AMI. You can specify a bucket that
you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
someone else, Amazon EC2 returns an error.</p>@n@param storage The bucket in which to store the AMI. You can specify a bucket that you already own
or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else,
Amazon EC2 returns an error.</n>*/",

"variable" : {
"variableDeclarationType" : "Storage",
"variableName" : "storage",
"variableType" : "Storage",
"documentation" : "<p>The bucket in which to store the AMI. You can specify a bucket that you already own
or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else,
Amazon EC2 returns an error.</p>
@param storage The bucket in which to store the AMI. You can specify a bucket that you already own
or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else,
Amazon EC2 returns an error.</n>*/",

"simpleType" : "Storage",
"variableSetterType" : "Storage"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p>
@param instanceId The ID of the instance to bundle.</n> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</n>@return Returns a reference to this object so that method calls can be chained together.</n>/**",

"fluentSetterDocumentation" : "*/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p>
@param instanceId The ID of the instance to bundle.</n> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</n>@return Returns a reference to this object so that method calls can be chained together.</n>/**",

"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "*/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p>
@param instanceId The ID of the instance to bundle.</n> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</n>@return Returns the ID of the instance to bundle.</n>/**",

"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "InstanceId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p> <param instanceId The ID of the instance to bundle.</param> <p>Type: String</p> <param instanceId The ID of the instance to bundle.</param> <p>Required: Yes*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
@param instanceId The ID of the instance to bundle.</p> <p>Type: String</p> 
@param instanceId The ID of the instance to bundle.</p> <p>Required: Yes
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Storage" : {
  "c2jName" : "Storage",
}
"c2jShape" : "Storage",
"deprecated" : false,
"documentation" : "<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>
@param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withStorage",
"getterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>
@return The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>*/",
"getterMethodName" : "getStorage",
"getterModel" : {
"returnType" : "Storage",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Storage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Storage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Storage",
"setterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>
@param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>*/"
bucket that belongs to someone else, Amazon EC2 returns an error. */

/**
 * The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
 *
 * @param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
 *
 * @param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
 *
 * @param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : ":<p>Contains the output of BundleInstance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "BundleTask",
  "c2jShape" : "BundleTask",
  "deprecated" : false,
  "documentation" : "<p>Information about the bundle task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the bundle task.</p>
  * @param bundleTask
  * @return Returns a reference to this object so that method calls can be chained
together.*\\n*/",
  "fluentSetterMethodName" : "withBundleTask",
  "getterDocumentation" : "/**<p>Information about the bundle task.</p>
  * @return Information about the
  * bundle task.*\\n*/",
  "getterMethodName" : "getBundleTask",
  "getterModel" : {
    "returnType" : "BundleTask",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BundleInstanceTask",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "bundleInstanceTask",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BundleInstanceTask",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bundleInstanceTask",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BundleTask",
"setterDocumentation" : "/**\n\nInformation about the bundle task.\n\n@\n\n@method setBundleTask\n\nInformation about the bundle task.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBundleTask",
"setterModel" : {
  "variableDeclarationType" : "BundleTask",
  "variableName" : "bundleTask",
  "variableType" : "BundleTask",
  "documentation" : "",
  "simpleType" : "BundleTask",
  "variableSetterType" : "BundleTask"},
"simple" : false,
"varargSetterDocumentation" : "/**\n\nInformation about the bundle task.\n\n@\n\n@method setBundleTask\n\nInformation about the bundle task.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BundleTask",
  "variableName" : "bundleTask",
  "variableType" : "BundleTask",
  "documentation" : "\nInformation about the bundle task.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "BundleTask",
  "variableSetterType" : "BundleTask"},
"xmlNameSpaceUri" : null
}
"required" : null,
"shapeName" : "BundleInstanceResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "BundleInstanceResult",
  "variableName" : "bundleInstanceResult",
  "variableType" : "BundleInstanceResult",
  "documentation" : null,
  "simpleType" : "BundleInstanceResult",
  "variableSetterType" : "BundleInstanceResult"
},
"wrapper" : false
},
"BundleTask" : {
  "c2jName" : "BundleTask",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingUnmarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a bundle task.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "InstanceId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance associated with this bundle task.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*<p>The ID of the instance associated with this bundle task.</p>*/
    },
    {
      "c2jName" : "InstanceId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance associated with this bundle task.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*<p>The ID of the instance associated with this bundle task.</p>*/
    },
    {
      "c2jName" : "withInstanceId",
      "getterDocumentation" : "/*<p>The ID of the instance associated with this bundle task.</p>*/
    },
    {
      "c2jName" : "getInstanceId",
      "getterDocumentation" : "/*<p>The ID of the instance associated with this bundle task.</p>*/
    },
    {
      "c2jName" : "get InstanceId",
      "getterDocumentation" : "/*<p>The ID of the instance associated with this bundle task.</p>*/
    },
    {
      "c2jName" : "return Model",
      "getterDocumentation" : "/*<p>The ID of the instance associated with this bundle task.</p>*/
    },
    {
      "c2jName" : "return Type",
      "getterDocumentation" : "/*<p>The ID of the instance associated with this bundle task.</p>*/
    },
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "instanceId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of the instance associated with this bundle task.</p>
@param
instanceId The ID of the instance associated with this bundle task. */",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the instance associated with this bundle task. The ID of the instance associated with this bundle task. */
@varargin
instanceId The ID of the instance associated with this bundle task. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance associated with this bundle task.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName" : "BundleId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : ":<p>The ID of the bundle task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBundleId",
"getterDocumentation" : "/**<p>The ID of the bundle task.</p>
@return The ID of the bundle task.*/",
"getterMethodName" : "getBundleId",
"getterModel" : {
 "returnType" : "String",
"documentation" : null
},
"http" : {
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "BundleId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "bundleId",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BundleId",
"setterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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 "variableName" : "bundleId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.*/"
task.

```java
        @return Returns a reference to this object so that method calls can be chained together.
    }
    
    variable : {
        variableDeclarationType : "String",
        variableName : "bundleId",
        variableType : "String",
        documentation : "<p>The ID of the bundle task.</p>",
        simpleType : "String",
        variableSetterType : "String"
    },
    
    xmlNameSpaceUri : null
}, {
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    "c2jShape" : "BundleTaskState",
    deprecated : false,
    documentation : "<p>The state of the task.</p>",
    enumType : "BundleTaskState",
    fluentSetterDocumentation : "/**<p>The state of the task.</p>
    @param state The state of the task.
    @return
    Returns a reference to this object so that method calls can be chained together.
    @see BundleTaskState*/",
    fluentSetterMethodName : "withState",
    getterDocumentation : "/**<p>The state of the task.</p>
    @return The state of the task.
    @see BundleTaskState*/",
    getterMethodName : "getState",
    getterModel : {
        returnType : "String",
        documentation : null
    },
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        additionalUnmarshallingPath : null,
        flattened : false,
        greedy : false,
        header : false,
        isPayload : false,
        isStreaming : false,
        location : null,
        marshallLocationName : "State",
        queryString : false,
        statusCode : false,
        unmarshallLocationName : "state",
        uri : false
    },
    idempotencyToken : false,
    list : false,
    listModel : null,
    map : false,
    mapModel : null,
    name : "State",
    setterDocumentation : "/**<p>The state of the task.</p>
    @param state The state of the task.
    @return
    Returns a reference to this object so that method calls can be chained together.
    @see BundleTaskState*/",
    setterMethodName : "setState",
    setterModel : {
        returnType : "String",
        documentation : null
    }
};

```

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BundleTaskState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The state of the task.</p>
@param state The state of the task.
@return Returns a reference to this object so that method calls can be chained together.
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"variableType" : "String",
"documentation" : "The state of the task.",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
"c2jName" : "StartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time this task started.",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The time this task started.</p>
@param startTime The time this task started.
@return Returns a reference to this object so that method calls can be chained together.
@see "getStartTime",
"fluentSetterMethodName" : "withStartTime",
"getterDocumentation" : "<p>The time this task started.</p>
@return The time this task started.
@see BundleTaskState*/",
"getterMethodName" : "getStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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}"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 3451
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "startTime",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**\n@example startTime
\nThe time this task started.*/",
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"setterModel" : {
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  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@example startTime
\nThe time this task started.\n\nReturns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "The time this task started.",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
"c2jName" : "UpdateTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time of the most recent update for the task.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@example updateTime
\nThe time of the most recent update for the task.\n\nReturns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUpdateTime",
"getterDocumentation" : "/**\n@example updateTime
\nThe time of the most recent update for the task.\n\nReturns The time of the most recent update for the task.*/",
"getterMethodName" : "getUpdateTime",
"getterModel" : {
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  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"}
"returnType" : "java.util.Date",
"documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "updateTime",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpdateTime",
"setterDocumentation" : "/**<p>The time of the most recent update for the task.</p>
@param updateTime
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUpdateTime",
"setterModel" : {
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  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time of the most recent update for the task.</p>
@param updateTime The time of the most recent update for the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time of the most recent update for the task.</p>
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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
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  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The level of task completion, as a percent (for example, 20%).</p>\n@param progress The level of task completion, as a percent (for example, 20%).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "<p>The level of task completion, as a percent (for example, 20%).</p>
"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "BundleTaskError",
"c2jShape" : "BundleTaskError",
"deprecated" : false,
"documentation" : "<p>If the task fails, a description of the error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>If the task fails, a description of the error.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBundleTaskError",
"getterDocumentation" : "/**\n<p>If the task fails, a description of the error.</p>\n@return If the task fails, a description of the error.*/",
"getterMethodName" : "getBundleTaskError",
"getterModel" : {
  "returnType" : "BundleTaskError",
  "documentation" : null
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"http" : {
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  "flattened" : false,
  "greedy" : false,
"header" : false, 
"isPayload" : false, 
"isStreaming" : false, 
"location" : null, 
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"queryString" : false, 
"statusLocation" : false, 
"unmarshallLocationName" : "error", 
"uri" : false 
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"list" : false, 
"listModel" : null, 
"map" : false, 
"mapModel" : null, 
"name" : "BundleTaskError", 
"setterDocumentation" : "/**\nIf the task fails, a description of the error.\n@<p>\n*param bundleTaskError If the task fails, a description of the error.*/", 
"setterMethod" : "setBundleTaskError", 
"setterModel" : { 
"variableDeclarationType" : "BundleTaskError", 
"variableName" : "bundleTaskError", 
"variableType" : "BundleTaskError", 
"documentation" : "", 
"simpleType" : "BundleTaskError", 
"variableSetterType" : "BundleTaskError" 
}, 
"simple" : false, 
"varargSetterDocumentation" : "/**\nIf the task fails, a description of the error.\n@<p>\n@param bundleTaskError If the task fails, a description of the error.\n@return Returns a reference to this object so that method calls can be chained together.*/", 
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"variableName" : "bundleTaskError", 
"variableType" : "BundleTaskError", 
"documentation" : "<p>\nIf the task fails, a description of the error.</p>", 
"simpleType" : "BundleTaskError", 
"variableSetterType" : "BundleTaskError" 
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"xmlNameSpaceUri" : null 
}, 
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"c2jShape" : "String", 
"deprecated" : false, 
"documentation" : "<p>The ID of the bundle task.</p>", 
"enumType" : null, 
"xmlNameSpaceUri" : null 
} },
"fluentSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBundleId",
"getterDocumentation" : "/**<p>The ID of the bundle task.</p>
@return The ID of the bundle task.*/",
"getterMethodName" : "getBundleId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
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   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "BundleId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "bundleId",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BundleId",
"setterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.*/",
"setterMethodName" : "setBundleId",
"setterModel" : {
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   "variableName" : "bundleId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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   "variableName" : "bundleId",
   "variableType" : "String"
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"variableName" : "bundleTaskError",
"variableType" : "BundleTaskError",
"documentation" : "",
"simpleType" : "BundleTaskError",
"variableSetterType" : "BundleTaskError"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>If the task fails, a description of the error.</p>
@param bundleTaskError If the task fails, a description of the error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "bundleTaskError",
"variableType" : "BundleTaskError",
"documentation" : "<p>If the task fails, a description of the error.</p>",
"simpleType" : "BundleTaskError",
"variableSetterType" : "BundleTaskError"
},
"xmlNameSpaceUri" : null
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"InstanceId" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance associated with this bundle task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance associated with this bundle task.</p>
@param instanceId The ID of the instance associated with this bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance associated with this bundle task.</p>
@return The ID of the instance associated with this bundle task.*/",
"getMethod" : "getInstanceId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance associated with this bundle task.</p>
@param instanceId The ID of the instance associated with this bundle task.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance associated with this bundle task.</p>
@param instanceId The ID of the instance associated with this bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "instanceId",
"variableType" : "String",
"documentation" : <p>The ID of the instance associated with this bundle task.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Progress" : {
"c2jName" : "Progress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The level of task completion, as a percent (for example, 20%).</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The level of task completion, as a percent (for example, 20%).</p>
@param progress The level of task completion, as a percent (for example, 20%).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "/**<p>The level of task completion, as a percent (for example, 20%).</p>
@return The level of task completion, as a percent (for example, 20%).*/",


"getterMethodName" : "getProgress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Progress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "progress",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Progress",

"setterDocumentation" : "/**<p>The level of task completion, as a percent (for example, 20%).</p>
@param progress The level of task completion, as a percent (for example, 20%).*/

@returns Returns a reference to this object so that method calls can be chained together.

setterMethodName" : "setProgress",
"setterModel" : {
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  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The level of task completion, as a percent (for example, 20%).</p>
@param progress The level of task completion, as a percent (for example, 20%).
@return Returns a reference to this object so that method calls can be chained together.

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "<p>The level of task completion, as a percent (for example, 20%).</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
"}
"xmlNameSpaceUri" : null

"StartTime" : {
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    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>The time this task started.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The time this task started.</p>@param startTime The time this task started.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withStartTime",
    "getterDocumentation" : "/**<p>The time this task started.</p>@return The time this task started.*/",
    "getterMethodName" : "getStartTime",
    "getterModel" : {
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        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
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        "marshallLocationName" : "StartTime",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "startTime",
        "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "StartTime",
    "setterDocumentation" : "/**<p>The time this task started.</p>@param startTime The time this task started.
*/",
    "setterMethodName" : "setStartTime",
    "setterModel" : {
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        "variableName" : "startTime",
        "variableType" : "java.util.Date",
        "documentation" : "",
        "simpleType" : "Date",
    }
}
"variableSetterType" : "java.util.Date",
},
"simple" : true,
"varargSetterDocumentation" : "*/<p>The time this task started.</p>\n@\param\ startTime The time this task started.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time this task started.</p>
@param startTime The time this task started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"State" : {
"c2jName" : "State",
"c2jShape" : "BundleTaskState",
"deprecated" : false,
"documentation" : "<p>The state of the task.</p>
@param state The state of the task.
@return The state of the task.
@see BundleTaskState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "*/<p>The state of the task.</p>\n@\return The state of the task.\n@see BundleTaskState*/",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the task.</p>
@param state The state of the task.
@see BundleTaskState*/",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
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@param state The state of the task.
@return Returns a reference to this object so that method calls can be chained together.
@see BundleTaskState*/",
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@param storage The Amazon S3 storage locations.</param>*/",
"setterMethodName" : "setStorage",
"setterModel" : {
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  "documentation" : "",
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@param storage The Amazon S3 storage locations.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time of the most recent update for the task.</p>",
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  "documentation": "<p>The time of the most recent update for the task.</p>",
  "simpleType": "Date",
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  "variableName": "bundleTask",
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  "documentation": null,
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  "skipGeneratingModelClass": false,
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"hasStatusCodeMember": false,
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    "variableType": "java.util.Date",
    "documentation": "<p>The time of the most recent update for the task.</p>",
    "simpleType": "Date",
    "variableSetterType": "java.util.Date"
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  "variableName": "bundleTask",
  "variableType": "BundleTask",
  "documentation": null,
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  "variableSetterType": "BundleTask"
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"wrapper": false
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"c2jName": "BundleTaskError",
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"marshaller": null,
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    "variableType": "java.util.Date",
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    "simpleType": "Date",
    "variableSetterType": "java.util.Date"
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"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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  "variableType": "BundleTask",
  "documentation": null,
  "simpleType": "BundleTask",
  "variableSetterType": "BundleTask"
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  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
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    "simpleType": "Date",
    "variableSetterType": "java.util.Date"
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  "resultWrapper": null
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  "variableSetterType": "BundleTask"
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"variableType" : "String",
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"fluentSetterDocumentation" : "/**<p>The error message.</p>
@param message The error
message.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "/**<p>The error message.</p>
@return The error message.*/",
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"statusCode" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The error message.</p>
@param message The error message.*/",
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"documentation" : "<p>The error code.</p>",
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"simpleType" : "String",
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@param message The error message.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCode",
"getterDocumentation" : "/**<p>The error code.</p>
@return The error code.*/",
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"isStreaming" : false,
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"variableType" : "String",
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@param message The error message.
@return Returns a reference to this object so that method calls can be chained together.*/"
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  "simpleType" : "String",
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@returns The error message.
@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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"unmarshaller" : { 
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  "variableName" : "bundleTaskState",
  "variableType" : "BundleTaskState",
  "documentation" : null,
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  "variableSetterType" : "BundleTaskState"
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "",
  "enums" : [ { 
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  }, { 
    "name" : "FleetRequestIdMalformed",
    "value" : "fleetRequestIdMalformed"
  }, { 
    "name" : "FleetRequestNotInCancellableState",
    "value" : "fleetRequestNotInCancellableState"
  }, { 
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  "variableSetterType" : "CancelBatchErrorCode"
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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"Open Source Used in 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  3476
"members" : [ {
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* The ID of the bundle task.
*\n* @param bundleId The ID of the bundle task.
*\n* @return Returns a reference to this object so that method calls can be chained together.*\n**",
    "getterDocumentation" : "/**\n* The ID of the bundle task.
*\n* @return The ID of the bundle task.*\n**",
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    "getterModel" : {
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        "documentation" : null
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        "greedy" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "BundleId",
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    "map" : false,
    "mapModel" : null,
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*\n* @param bundleId The ID of the bundle task.
*\n* @return Returns a reference to this object so that method calls can be chained together.*\n**",
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        "variableSetterType" : "String"
    },
    "simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "bundleId",
"variableType" : "String",
"documentation" : "<p>The ID of the bundle task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
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"c2jName" : "BundleId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the bundle task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBundleId",
"getterDocumentation" : "/**<p>The ID of the bundle task.</p>
@return The ID of the bundle task.*/",
"getterMethodName" : "getBundleId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
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"mapModel" : null,
"name" : "BundleId",
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"setterMethodName" : "setBundleId",
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  "variableName" : "bundleId",
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"variable" : {
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  "variableName" : "bundleId",
  "variableType" : "String",
  "documentation" : "The ID of the bundle task.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}.

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "BundleId" ],
"shapeName" : "CancelBundleTaskRequest",
"unmarshaller" : null,
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  "variableDeclarationType" : "CancelBundleTaskRequest",
  "variableName" : "cancelBundleTaskRequest",
  "variableType" : "CancelBundleTaskRequest",
  "documentation" : null,
  "simpleType" : "CancelBundleTaskRequest",
  "variableSetterType" : "CancelBundleTaskRequest"
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"wrapper" : false
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"CancelBundleTaskResult" : {
  "c2jName" : "CancelBundleTaskResult",
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    "skipGeneratingModelClass" : false,
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  "getterDocumentation": "/\*\<p\>Information about the bundle task.\</p\>\n\@return Information about the
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    "statusCode": false,
    "unmarshallLocationName": "bundleInstanceTask",
    "uri": false 
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "BundleTask"}


"setterDocumentation" : "/**<p>Information about the bundle task.</p>
@param bundleTask Information about the bundle task.*/",
"setterMethodName" : "setBundleTask",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableSetterType" : "String"
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```

---

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 * @param reasonMessage The reason for canceling the conversion task.
 * @return Returns a reference to this object so that method calls can be chained together.
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 * @param reasonMessage The reason for canceling the conversion task.
 * @return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.
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    "documentation" : null,
    "simpleType" : "CancelImportTaskResult",
    "variableSetterType" : "CancelImportTaskResult"
},
"wrapper" : false
},
"CancelReservedInstancesListingRequest" : {
  "c2jName" : "CancelReservedInstancesListingRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelReservedInstancesListing.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CancelReservedInstancesListing",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "ReservedInstancesListingId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*<p>The ID of the Reserved Instance listing.</p>*/",
      "fluentSetterMethodName" : "withReservedInstancesListingId",
      "getterDocumentation" : "/*<p>The ID of the Reserved Instance listing.</p>*/",
      "getterMethodName" : "getReservedInstancesListingId"
    }
  ]
}
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesListingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesListingId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
 },
 "membersAsMap" : {
   "ReservedInstancesListingId" : {
     "c2jName" : "ReservedInstancesListingId",
     "c2jShape" : "String",
     "deprecated" : false,
     "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
\n@\param reservedInstancesListingId The ID of the Reserved Instance listing.
\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
     "fluentSetterMethodName" : "withReservedInstancesListingId",
     "getterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
\n@return The ID of the Reserved Instance listing.</p>*/",
     "getterMethodName" : "getReservedInstancesListingId",
     "getterModel" : {
       "returnType" : "String",
       "documentation" : null
     },
     "http" : {
       "additionalMarshallingPath" : null,
       "additionalUnmarshallingPath" : null,
       "flattened" : false,
       "greedy" : false,
       "header" : false,
       "isPayload" : false,
       "isStreaming" : false,
       "location" : null,
       "marshallLocationName" : "ReservedInstancesListingId",
       "queryString" : false,
       "statusCode" : false,
       "unmarshallLocationName" : "reservedInstancesListingId",
       "uri" : false
     },
     "idempotencyToken" : false,
     "list" : false,
     "listModel" : null,
     "map" : false,
     "mapModel" : null,
     "name" : "ReservedInstancesListingId",
     "setterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
\n@\param reservedInstancesListingId The ID of the Reserved Instance listing.</p>*/",
     "setterMethodName" : "setReservedInstancesListingId",
     "setterModel" : {
       "variableDeclarationType" : "String",
       "variableName" : "reservedInstancesListingId",
       "variableType" : "String",
     },
"documentation" : ""
,"simpleType" : "String",
,"variableSetterType" : "String"
],
,"simple" : true,
,"varargSetterDocumentation" : "<!--[/*<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing./n@return Returns a reference to this object so that method calls can be chained together.*/",
,"variable" : {
,"variableDeclarationType" : "String",
,"variableName" : "reservedInstancesListingId",
,"variableType" : "String",
,"documentation" : "<p>The ID of the Reserved Instance listing.</p>
,"simpleType" : "String",
,"variableSetterType" : "String"
},
,"xmlNameSpaceUri" : null
],
,"requestSignerAware" : false,
,"requestSignerClassFqcn" : null,
,"required" : [ "ReservedInstancesListingId" ],
,"shapeName" : "CancelReservedInstancesListingRequest",
,"unmarshaller" : null,
,"variable" : {
,"variableDeclarationType" : "CancelReservedInstancesListingRequest",
,"variableName" : "cancelReservedInstancesListingRequest",
,"variableType" : "CancelReservedInstancesListingRequest",
,"documentation" : null,
,"simpleType" : "CancelReservedInstancesListingRequest",
,"variableSetterType" : "CancelReservedInstancesListingRequest"
},
,"wrapper" : false
],
,"CancelReservedInstancesListingResult" : {
,"c2jName" : "CancelReservedInstancesListingResult",
,"customization" : {
,"artificialResultWrapper" : null,
,"skipGeneratingMarshaller" : false,
,"skipGeneratingModelClass" : false,
,"skipGeneratingUnmarshaller" : false
},
,"deprecated" : false,
,"documentation" : "<p>Contains the output of CancelReservedInstancesListing.</p>",
,"enums" : null,
,"errorCode" : null,
,"hasHeaderMember" : false,
,"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ReservedInstancesListings",
  "c2jShape" : "ReservedInstancesListingList",
  "deprecated" : false,
  "documentation" : "<p>The Reserved Instance listing.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@param reservedInstancesListings
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstancesListings",
  "getterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@return The Reserved Instance listing.*/",
  "getterMethodName" : "getReservedInstancesListings",
  "getterModel" : { "returnType" : "java.util.List<ReservedInstancesListing>", "documentation" : null },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : { "implType" : "com.amazonaws.internal.SdkInternalList", "interfaceType" : "java.util.List", "listMemberModel" : { "c2jName" : "member", "c2jShape" : "ReservedInstancesListing", "deprecated" : false, "documentation" : "", "enumType" : null, "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/" },
  },
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@param reservedInstancesListings The Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesListing>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@param reservedInstancesListings The Reserved Instance listin

@method can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "<p>The Reserved Instance listing.</p>

"variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "ReservedInstancesListings" : {
    "c2jName" : "ReservedInstancesListings",
...}
"c2jShape" : "ReservedInstancesListingList",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance listing.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@param reservedInstancesListings
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesListings",
"getterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@return The Reserved Instance listing.*/",
"getterMethodName" : "getReservedInstancesListings",
"getterModel" : {
"returnType" : "java.util.List<ReservedInstancesListing>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesListingsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesListingsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ReservedInstancesListing",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return 
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ReservedInstancesListing",
"documentation" : ""}
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedInstancesListing",
"variableName" : "member",
"variableType" : "ReservedInstancesListing",
"documentation" : "",
"simpleType" : "ReservedInstancesListing",
"variableSetterType" : "ReservedInstancesListing"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ReservedInstancesListing",
"variableName" : "member",
"variableType" : "ReservedInstancesListing",
"documentation" : "",
"simpleType" : "ReservedInstancesListing",
"variableSetterType" : "ReservedInstancesListing"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"memberType" : "ReservedInstancesListing"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>"
}
,"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@param reservedInstancesListings The Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesListing>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The Reserved Instance listing.</p>

@**<p>NOTE:</p> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesListings(java.util.Collection)} or {@link #withReservedInstancesListings(java.util.Collection)} if you want to override the existing values.</p>
@param reservedInstancesListings The Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "<p>The Reserved Instance listing.</p>
  "simpleType" : "List<ReservedInstancesListing>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"xmlNameSpaceUri" : null
}
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CancelReservedInstancesListingResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
"variable" : {
  "variableDeclarationType" : "CancelReservedInstancesListingResult",
  "variableName" : "cancelReservedInstancesListingResult",
  "variableType" : "CancelReservedInstancesListingResult",
  "documentation" : null,
  "simpleType" : "CancelReservedInstancesListingResult",
  "variableSetterType" : "CancelReservedInstancesListingResult"
},
"wrapper" : false
},
"CancelSpotFleetRequestsError" : {
  "c2jName" : "CancelSpotFleetRequestsError",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a Spot fleet error.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "Code",
     "c2jShape" : "CancelBatchErrorCode",
     "deprecated" : false,
     "documentation" : "<p>The error code.</p>",
     "enumType" : "CancelBatchErrorCode",
     "fluentSetterDocumentation" : "/**<p>The error code.</p>\n\n@ see CancelBatchErrorCode*/",
     "fluentSetterMethodName" : "withCode",
     "getterDocumentation" : "/**<p>The error code.</p>\n\n@ see CancelBatchErrorCode*/",
     "getterMethodName" : "getCode",
     "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
     "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Code",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@see CancelBatchErrorCode*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.\n@see CancelBatchErrorCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The error code.\n</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "Message",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The description for the error code.\n</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The description for the error code.\n</p>
@param message The description for the error code.\n@return Returns a reference to this object so that method calls can be chained
**getterDocumentation** : "/**<p>The description for the error code.</p>
@return The description for the error code.*/",

**getterMethodName** : "getMessage",

**getterModel** : {

"returnType" : "String",
"documentation" : null
}

**http** : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Message",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "message",
"uri" : false
}

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

"name" : "Message",

**setterDocumentation** : "/**<p>The description for the error code.</p>
@param message The description for the error code.
@return Returns a reference to this object so that method calls can be chained together.*/",

**setterMethodName** : "setMessage",

**setterModel** : {

"variableDeclarationType" : "String",
"variableName" : "message",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}

"simple" : true,

**varargSetterDocumentation** : "/**<p>The description for the error code.</p>
@param message The description for the error code.
@return Returns a reference to this object so that method calls can be chained together.*/",

**variable** : {

"variableDeclarationType" : "String",
"variableName" : "message",
"variableType" : "String",
"documentation" : "",
"variableSetterType" : "String"
}
"variableType": "String",
"documentation": "&lt;p&gt;The description for the error code.&lt;/p&gt;",
"simpleType": "String",
"variableSetterType": "String"
],
"xmlNameSpaceUri": null
]

"membersAsMap": {
"Code": {
"c2jName": "Code",
"c2jShape": "CancelBatchErrorCode",
"deprecated": false,
"documentation": "&lt;p&gt;The error code.&lt;/p&gt;",
"enumType": "CancelBatchErrorCode",
"fluentSetterDocumentation": "/**&lt;p&gt;The error code.&lt;/p&gt;&lt;\n@\n@param code The error code.&lt;/p&gt;&lt;\n@\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;&lt;\n@\n@see CancelBatchErrorCode*/",
"fluentSetterMethodName": "withCode",
"getterDocumentation": "/**&lt;p&gt;The error code.&lt;/p&gt;&lt;\n@\n@return The error code.&lt;/p&gt;&lt;\n@\n@see CancelBatchErrorCode*/",
"getterMethodName": "getCode",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Code",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "code",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Code",
"setterDocumentation": "/**&lt;p&gt;The error code.&lt;/p&gt;&lt;\n@\n@param code The error code.&lt;/p&gt;&lt;\n@\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;&lt;\n@\n@see CancelBatchErrorCode*/",
"setterMethodName": "setCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The error code.
 */
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.
@see CancelBatchErrorCode*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "<p>The error code.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Message": {
  "c2jName": "Message",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The description for the error code.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**
 * The description for the error code.
 */
@param message The description for the error code.
@return Returns a reference to this object so that method calls can be chained together.
@see CancelBatchErrorCode*/",
  "fluentSetterMethodName": "withMessage",
  "getterDocumentation": "/**\n * The description for the error code.
 */
@return The description for the error code.
"getterMethodName": "getMessage",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Message",
    "uri": null
  },
  "uri": null
},
"uri": null
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "message",
"uri" : false
}],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n* The description for the error code.
* @param message The description for the error code.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setMessage",
"setterModel" : {
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"variableName" : "message",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The description for the error code.
* @param message The description for the error code.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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"variableName" : "message",
"variableType" : "String",
"documentation" : "The description for the error code."
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"variableType" : "CancelSpotFleetRequestsError",
"documentation" : "The description for the error code."
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"documentation": null,
"simpleType": "CancelSpotFleetRequestsError",
"variableSetterType": "CancelSpotFleetRequestsError"
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"wrapper": false
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"CancelSpotFleetRequestsErrorItem": {
"c2jName": "CancelSpotFleetRequestsErrorItem",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "Describes a Spot fleet request that was not successfully canceled.\n"phere\n"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
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"members": [
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The ID of the Spot fleet request.\n"phere\n"enumType": null,
    "fluentSetterDocumentation": /**\n    The ID of the Spot fleet request.**\n    \n    @param spotFleetRequestId The ID of the Spot fleet request.\n    \n    @return Returns a reference to this object so that method calls can be chained together.*/
    ,
    "fluentSetterMethodName": "withSpotFleetRequestId",
    "getterDocumentation": /**\n    The ID of the Spot fleet request.**\n    \n    @return The ID of the Spot fleet request.*/
    ,
    "getterMethodName": "getSpotFleetRequestId",
    "getModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.*!/",
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  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*!/",
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    "variableName" : "spotFleetRequestId",
    "variableType" : "String",
    "documentation" : "The ID of the Spot fleet request.
    </p>"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
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    @return Returns a reference to this object so that method calls can be chained together.*!/",
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    "variableName" : "spotFleetRequestId",
    "variableType" : "String",
    "documentation" : "The ID of the Spot fleet request.
    </p>"
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"xmlNameSpaceUri" : null}
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"c2jShape" : "CancelSpotFleetRequestsError",
"deprecated" : false,
"documentation" : "The error.
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"getterDocumentation" : "The error.
</p>
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "error",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Error",
"setterDocumentation" : "/**<p>The error.</p>
@param error The error.*/",
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"setterModel" : {
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    "variableName" : "error",
    "variableType" : "CancelSpotFleetRequestsError",
    "documentation" : "",
    "simpleType" : "CancelSpotFleetRequestsError",
    "variableSetterType" : "CancelSpotFleetRequestsError"
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"varargSetterDocumentation" : "/**<p>The error.</p>
@param error The error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "CancelSpotFleetRequestsError",
    "documentation" : "<p>The error.</p>",
    "simpleType" : "CancelSpotFleetRequestsError",
    "variableSetterType" : "CancelSpotFleetRequestsError"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "CancelSpotFleetRequestsError",
"variableSetterType" : "CancelSpotFleetRequestsError"
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the Spot fleet request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of
the Spot fleet request.</p>/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/<p>The ID of the Spot fleet request.</p>@param spotFleetRequestId
The ID of the Spot fleet request.<p>@return Returns a reference to this object so that method calls can be chained
together.</p>/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "Error" ],
"shapeName" : "CancelSpotFleetRequestsErrorItem",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CancelSpotFleetRequestsErrorItem",
  "variableName" : "cancelSpotFleetRequestsErrorItem",
  "variableType" : "CancelSpotFleetRequestsErrorItem",
  "documentation" : null,
  "simpleType" : "CancelSpotFleetRequestsErrorItem",
  "variableSetterType" : "CancelSpotFleetRequestsErrorItem"
},
"wrapper" : false
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"CancelSpotFleetRequestsRequest" : {


"c2jName" : "CancelSpotFleetRequestsRequest",
"customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CancelSpotFleetRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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        "c2jShape" : "ValueStringList",
        "deprecated" : false,
        "documentation" : "<p>The IDs of the Spot fleet requests.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
\n@param spotFleetRequestIds
\nThe IDs of the Spot fleet requests.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withSpotFleetRequestIds",
        "getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
\n@return The IDs of the Spot fleet requests.*/",
        "getterMethodName" : "getSpotFleetRequestIds",
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            "documentation" : null
        },
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
        }
    }
}
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"name" : "Member"}
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
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"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestIds",
"setterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds The IDs of the Spot fleet requests.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotFleetRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"varargSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSpotFleetRequestIds(java.util.Collection)} or
{@link #withSpotFleetRequestIds(java.util.Collection)} if you want to override the existing values.</p>
@param spotFleetRequestIds The IDs of the Spot fleet requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "spotFleetRequestIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of the Spot fleet requests.</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "TerminateInstances",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>
@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTerminateInstances",
"getterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>
@return Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.*/",
"getterMethodName" : "getTerminateInstances",
"getterModel" : {
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TerminateInstances",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName": "terminateInstances",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "TerminateInstances",
"setterDocumentation": "/**\n* Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n* @param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.*/",
"setterMethodName": "setTerminateInstances",
"setterModel": {
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  "variableName": "terminateInstances",
  "variableType": "Boolean",
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"simple": true,
"varargSetterDocumentation": "/**\n* Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n* @param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "terminateInstances",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
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    "c2jName": "SpotFleetRequestIds",
    "c2jShape": "ValueStringList",
    "deprecated": false,
    "documentation": "<p>The IDs of the Spot fleet requests.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* The IDs of the Spot fleet requests.\n* @param spotFleetRequestIds The IDs of the Spot fleet requests.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withSpotFleetRequestIds",
  }
};
"getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@return The IDs of the Spot fleet requests. */",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
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"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "spotFleetRequestId",
      "uri" : false
    }
  }
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestIds",
"setterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds The IDs of the Spot fleet requests.*/",
"setterMethodName" : "setSpotFleetRequestIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "spotFleetRequestIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds The IDs of the Spot fleet requests.*/
@NOTE:&lt;b&gt; This method appends the values to the existing list (if any). Use {link #setSpotFleetRequestIds(java.util.Collection)} or {link #withSpotFleetRequestIds(java.util.Collection)} if you want to override the existing values.&lt;/p&gt;
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "spotFleetRequestIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"TerminateInstances" : {
"c2jName" : "TerminateInstances",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>
@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTerminateInstances",
"getterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>
@return Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.*/",
"getterMethodName" : "getTerminateInstances",
"xmlNameSpaceUri" : null
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"getterModel": {
    "returnType": "Boolean",
    "documentation": null
},
"http": {
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
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    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "TerminateInstances",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "terminateInstances",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "TerminateInstances",
"setterDocumentation": "Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethod Name": "setTerminateInstances",
"setterModel": {
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    "variableName": "terminateInstances",
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    "documentation": ".",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
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"simple": true,
"vargSetterDocumentation": "Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableType": "Boolean",
    "documentation": "Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n"}
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
],
"xmlNameSpaceUri" : null
}
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"requestSignerClassFqcn" : null,
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"shapeName" : "CancelSpotFleetRequestsRequest",
"unmarshaller" : null,
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"variableName" : "cancelSpotFleetRequestsRequest",
"variableType" : "CancelSpotFleetRequestsRequest",
"documentation" : null,
"simpleType" : "CancelSpotFleetRequestsRequest",
"variableSetterType" : "CancelSpotFleetRequestsRequest"
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"wrapper" : false
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"CancelSpotFleetRequestsResult" : {
"c2jName" : "CancelSpotFleetRequestsResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of CancelSpotFleetRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "UnsuccessfulFleetRequests",
"c2jShape" : "CancelSpotFleetRequestsErrorSet",
"deprecated" : false,
"documentation" : "<p>Information about the Spot fleet requests that are not successfully canceled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the Spot fleet requests that are not successfully canceled.</p>\n@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessfulFleetRequests",}
Information about the Spot fleet requests that are not successfully canceled.

**getterDocumentation**

```java
/**
 * Information about the Spot fleet requests that are not successfully canceled.
 */
```

**getterMethodName**

```
getUnsuccessfulFleetRequests
```

**getterModel**

```
{
  "returnType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation" : null
}
```

**http**

```
{
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "unsuccessfulFleetRequestSet",
  "uri" : false
}
```

**idempotencyToken**

```
false
```

**list**

```
true
```

**listModel**

```
{
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "CancelSpotFleetRequestsErrorItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n @param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n @return *
 */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
    }
  }
}
```

**http**

```
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"unmarshallLocationName" : "item",
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  "variableName" : "member",
  "variableType" : "CancelSpotFleetRequestsErrorItem",
  "documentation" : "",
  "simpleType" : "CancelSpotFleetRequestsErrorItem",
  "variableSetterType" : "CancelSpotFleetRequestsErrorItem"
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  "variableType" : "CancelSpotFleetRequestsErrorItem",
  "documentation" : "",
  "simpleType" : "CancelSpotFleetRequestsErrorItem",
  "variableSetterType" : "CancelSpotFleetRequestsErrorItem"
},
"xmlNameSpaceUri" : null
},

"memberLocationName" : "item",
"memberType" : "CancelSpotFleetRequestsErrorItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
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"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<CancelSpotFleetRequestsErrorItem>"},
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"mapModel" : null,
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"variableName" : "unsuccessfulFleetRequests",
"variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
"documentation" : "",
"simpleType" : "List<CancelSpotFleetRequestsErrorItem>",
"variableSetterType" : "java.util.Collection<CancelSpotFleetRequestsErrorItem>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Spot fleet requests that are not successfully canceled.<p/>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
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"variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
"documentation" : "<p>Information about the Spot fleet requests that are not successfully canceled.<p>
>Returns a reference to this object so that method calls can be chained together.*/",
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    "c2jShape": "CancelSpotFleetRequestsSuccessItem",
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    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
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      "documentation": null
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    "uri": false
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@param member */",
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  "variableType" : "CancelSpotFleetRequestsSuccessItem",
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  "variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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  "documentation" : "",
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  "variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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"xmlNameSpaceUri" : null
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"templateType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>"
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  "documentation": "",
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},
"simple": false,
"vargSetterDocumentation": "/**p>Information about the Spot fleet requests that are successfully canceled.<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSuccessfulFleetRequests(java.util.Collection)} or {@link #withSuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.<p@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation": "<p>Information about the Spot fleet requests that are successfully canceled.</p>",
    "simpleType": "List<CancelSpotFleetRequestsSuccessItem>",
    "variableSetterType": "java.util.Collection<CancelSpotFleetRequestsSuccessItem>",
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  "xmlNameSpaceUri": null
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  "interfaceType" : "java.util.List",
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    "documentation" : "",
    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "CancelSpotFleetRequestsSuccessItem",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
      "uri" : false
    }
  }
}
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"uri" : false
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@param member */",
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"setterModel" : {
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"documentation" : "",
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"variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
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"variableType" : "CancelSpotFleetRequestsSuccessItem",
"documentation" : "",
"simpleType" : "CancelSpotFleetRequestsSuccessItem",
"variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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"xmlNameSpaceUri" : null
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"memberType" : "CancelSpotFleetRequestsSuccessItem",
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"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"simpleType" : "CancelSpotFleetRequestsSuccessItem",
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"templateType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>"
},
"map" : false,
"mapModel" : null,
"name" : "SuccessfulFleetRequests",
"setterDocumentation" : "/**<p>Information about the Spot fleet requests that are successfully
"}

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canceled.

```java
@param successfulFleetRequests Information about the Spot fleet requests that are successfully canceled.

```
"additionalMarshallingPath" : null,
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"uri" : false
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    "documentation" : "",
    "enumType" : null,
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@return Returns a reference to this object so that
method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "CancelSpotFleetRequestsErrorItem",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
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  "variableName" : "unsuccessfulFleetRequests",
  "variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation" : "",
  "simpleType" : "List<CancelSpotFleetRequestsErrorItem>",
  "variableSetterType" : "java.util.Collection<CancelSpotFleetRequestsErrorItem>",
  "simple" : false,
  "varargSetterDocumentation" : ""/**\p>Information about the Spot fleet requests that are not successfully canceled.<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setUnsuccessfulFleetRequests(java.util.Collection) } or { @link #withUnsuccessfulFleetRequests(java.util.Collection) } if you want to override the existing values.<p>\n@profile unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.<\n\p@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
    "documentation" : "Information about the Spot fleet requests that are not successfully canceled.<p>\”,
    "simpleType" : "List<CancelSpotFleetRequestsErrorItem>",
    "variableSetterType" : "java.util.Collection<CancelSpotFleetRequestsErrorItem>",
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  "requestSignerClassFqn" : null,
  "required" : null,
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    "resultWrapper" : null
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    "variableName" : "cancelSpotFleetRequestsSuccessItem",
    "variableType" : "CancelSpotFleetRequestsSuccessItem",
    "documentation" : null,
    "simpleType" : "CancelSpotFleetRequestsSuccessItem",
    "variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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  "wrapper" : false
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"customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
*\n@\n*param spotFleetRequestId The ID of the Spot fleet request.

@\n*\n*return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSpotFleetRequestId",
    "getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
*\n@\n*return The ID of the Spot fleet request.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The current state of the Spot fleet request.
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@return Returns a reference to this object so that method calls can be chained together.
@see BatchState*/",
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@\param previousSpotFleetRequestState The previous state of the Spot fleet request.
@\return Returns a reference to this
object so that method calls can be chained together.

```java
@see BatchState*/
```

```
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@\param currentSpotFleetRequestState The current state of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
@see BatchState*/",
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@\return The current state of the Spot fleet request.
@see BatchState*/",
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"mapModel" : null,
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  "variableType" : "CancelSpotInstanceRequestState",
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  "variableSetterType" : "CancelSpotInstanceRequestState"
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:return Returns a reference to this object so that method calls can be chained together.
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"getterDocumentation": ":return *
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"variableSetterType": "String"
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One or more Spot instance request IDs.*$/",
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 "variableType" : "java.util.List<String>",
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},
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"varargSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@nl@nl
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setSpotInstanceRequestIds(java.util.Collection)} or { @link #withSpotInstanceRequestIds(java.util.Collection)} if
you want to override the existing values.</p>@nl@nl
@nl@param spotInstanceRequestIds
One or more Spot instance request IDs.
@nl@nl
@nl@return Returns a reference to this object so that method calls can be chained together.*"/
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 "fluentSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
 @param

 @return Returns a reference to this object so that
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"documentation" : null
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"statusCode" : false,
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"uri" : false
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"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
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  "variableName": "cancelSpotInstanceRequestsRequest",
  "variableType": "CancelSpotInstanceRequestsRequest",
  "documentation": null,
  "simpleType": "CancelSpotInstanceRequestsRequest",
  "variableSetterType": "CancelSpotInstanceRequestsRequest"
},
"wrapper": false
},
"CancelSpotInstanceRequestsResult": {
  "c2jName": "CancelSpotInstanceRequestsResult",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of CancelSpotInstanceRequests.</p>",
  "enums": null,
  "errorCode": null,
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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     "documentation": "<p>One or more Spot instance requests.</p>",
     "enumType": null,
     "fluentSetterDocumentation": "/**<p>One or more Spot instance requests.</p>
     * @param cancelledSpotInstanceRequests One or more Spot instance requests.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
     "fluentSetterMethodName": "withCancelledSpotInstanceRequests",
     "getterDocumentation": "/**<p>One or more Spot instance requests.</p>
     * @return One or more Spot instance requests.</returns.*",
     "getterMethodName": "getCancelledSpotInstanceRequests",
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      "documentation": null
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"statusCode": false,
"unmarshallLocationName": "SpotInstanceRequestSet",
"uri": false
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"interfaceType": "java.util.List",
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"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**@return */",
"getterMethodName": "getMember",
"getterModel": {
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"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
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@param member */",
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"variableSetterType" : "CancelledSpotInstanceRequest"
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"variableName" : "member",
"variableType" : "CancelledSpotInstanceRequest",
"documentation" : "",
"simpleType" : "CancelledSpotInstanceRequest",
"variableSetterType" : "CancelledSpotInstanceRequest"
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"memberType" : "CancelledSpotInstanceRequest",
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CancelledSpotInstanceRequest",
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"templateType" : "java.util.List<CancelledSpotInstanceRequest>"
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"map" : false,
"mapModel" : null,
"name" : "CancelledSpotInstanceRequests",
"setterDocumentation" : "/**\nOne or more Spot instance requests.*/",
"setterMethodName" : "setCancelledSpotInstanceRequests"
"setterModel" : {
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  "variableName" : "cancelledSpotInstanceRequests",
  "variableType" : "java.util.List<CancelledSpotInstanceRequest>",
  "documentation" : "",
  "simpleType" : "List<CancelledSpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/*\n<p>One or more Spot instance requests.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setCancelledSpotInstanceRequests(java.util.Collection)] or [@link
#withCancelledSpotInstanceRequests(java.util.Collection)] if you want to override the existing
values.</p>@param cancelledSpotInstanceRequests One or more Spot instance requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<CancelledSpotInstanceRequest>",
  "documentation" : "<p>One or more Spot instance requests.</p>",
  "simpleType" : "List<CancelledSpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
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"xmlNameSpaceUri" : null
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    "c2jShape" : "CancelledSpotInstanceRequestList",
    "deprecated" : false,
    "documentation" : "<p>One or more Spot instance requests.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n<p>One or more Spot instance requests.</p>@param cancelledSpotInstanceRequests One or more Spot instance requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCancelledSpotInstanceRequests",
    "getterDocumentation" : "/*\n<p>One or more Spot instance requests.</p>@return One or more Spot instance requests.*/",
    "getterMethodName" : "getCancelledSpotInstanceRequests",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "simple" : false,
      "documentation" : "",
      "simpleType" : "List<CancelledSpotInstanceRequest>",
      "variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
    }
  }
},
"xmlNameSpaceUri" : null
}
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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"variableName" : "member",
"variableType" : "CancelledSpotInstanceRequest",
"documentation" : "",
"simpleType" : "CancelledSpotInstanceRequest",
"variableSetterType" : "CancelledSpotInstanceRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "CancelledSpotInstanceRequest",
"documentation" : "",
"simpleType" : "CancelledSpotInstanceRequest",
"variableSetterType" : "CancelledSpotInstanceRequest"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "CancelledSpotInstanceRequest",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<CancelledSpotInstanceRequest>"
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"map" : false,
"mapModel" : null,
"name" : "CancelledSpotInstanceRequests",
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@param cancelledSpotInstanceRequests One or more Spot instance requests.</p>*/",
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"setterModel" : {
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"variableName" : "cancelledSpotInstanceRequests",
"variableType" : "cancelledSpotInstanceRequests",
"variableType" : "java.util.List<CancelledSpotInstanceRequest>""}
"documentation" : "",
"simpleType" : "List<CancelledSpotInstanceRequest>",
"variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "*/<p>One or more Spot instance requests.\n<p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setCancelledSpotInstanceRequests(java.util.Collection)] or [@link #withCancelledSpotInstanceRequests(java.util.Collection)] if you want to override the existing values.\n\n@p param cancelledSpotInstanceRequests One or more Spot instance requests.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "cancelledSpotInstanceRequests",
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"documentation" : "<p>One or more Spot instance requests.</p>
"simpleType" : "List<CancelledSpotInstanceRequest>",
"variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>">
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CancelSpotInstanceRequestsResult",
"unmarshaller" : {
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"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "CancelSpotInstanceRequestsResult",
"variableName" : "cancelSpotInstanceRequestsResult",
"variableType" : "CancelSpotInstanceRequestsResult",
"documentation" : null,
"simpleType" : "CancelSpotInstanceRequestsResult",
"variableSetterType" : "CancelSpotInstanceRequestsResult"
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"wrapper" : false
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"CancelledSpotInstanceRequest" : {
"c2jName" : "CancelledSpotInstanceRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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ID of the Spot instance request. */
  "setterMethodName": "setSpotInstanceRequestId",
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    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
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  "simple": true,
  "varargSetterDocumentation": "/**<p>The ID of the Spot instance request.</p>
  @param spotInstanceRequestId The ID of the Spot instance request.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType": "String",
    "documentation": "<p>The ID of the Spot instance request.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
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  "xmlNameSpaceUri": null
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"c2jShape": "CancelSpotInstanceRequestState",
"deprecated": false,
"documentation": "<p>The state of the Spot instance request.</p>",
"enumType": "CancelSpotInstanceRequestState",
"fluentSetterDocumentation": "/**<p>The state of the Spot instance request.</p>
  @param state The state of the Spot instance request.
  @return Returns a reference to this object so that method calls can be chained together.
  @see CancelSpotInstanceRequestState*/",
  "fluentSetterMethodName": "withState",
  "getterDocumentation": "/**<p>The state of the Spot instance request.</p>
  @return The state of the Spot instance request.
  @see CancelSpotInstanceRequestState*/",
  "getterMethodName": "getState",
  "getterModel": {
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    "documentation": null
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"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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@param state The state of the Spot instance request.
@see CancelSpotInstanceRequestState*/",
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"setterModel" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the Spot instance request.</p>
@param state The state of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.
@see CancelSpotInstanceRequestState*/",
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  "variableType" : "String",
  "documentation" : "<p>The state of the Spot instance request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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    "c2jShape" : "String",
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    "documentation" : "<p>The ID of the Spot instance request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withSpotInstanceRequestId",
"getterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@return The ID of the Spot instance request.*\*/",
"getterMethodName" : "getSpotInstanceRequestId",
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotInstanceRequestId",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.*\*/",
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"setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.*\*/
@return Returns a reference to this object so that method calls can be chained together.*\*/
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"documentation" : "<p>The ID of the Spot instance request.</p>",
"simpleType" : "String",
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"State" : {
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"c2jShape" : "CancelSpotInstanceRequestState",
"deprecated" : false,
"documentation" : "<p>The state of the Spot instance request.</p>",
"enumType" : "CancelSpotInstanceRequestState",
"fluentSetterDocumentation" : "/**<p>The state of the Spot instance request.</p>
@param state The state of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.
@see CancelSpotInstanceRequestState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the Spot instance request.</p>
@return The state of the Spot instance request.
@see CancelSpotInstanceRequestState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The state of the Spot instance request.</p>
@param state The state of the Spot instance request.
@see CancelSpotInstanceRequestState*/",
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"setterModel" : {
"returnType" : "String",
"documentation" : null
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The state of the Spot instance request.</p>
@param state The state of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.
@see CancelSpotInstanceRequestState*/",
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"variableType" : "String",
"documentation" : "<p>The state of the Spot instance request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CancelledSpotInstanceRequest",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CancelledSpotInstanceRequest",
"variableName" : "cancelledSpotInstanceRequest",
"variableType" : "CancelledSpotInstanceRequest",
"documentation" : null,
"simpleType" : "CancelledSpotInstanceRequest",
"variableSetterType" : "CancelledSpotInstanceRequest"
},
"wrapper" : false
},
"ClassicLinkDnsSupport" : {
"c2jName" : "ClassicLinkDnsSupport",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}.
"deprecated" : false,
"documentation" : "<p>Describes the ClassicLink DNS support status of a VPC.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { 
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : { 
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpcId",
  "setterModel" : { 

"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The ID of the VPC.
 */
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClassicLinkDnsSupported",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * Indicates whether ClassicLink DNS support is enabled for the VPC.
 */
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the
VPC.
@return
Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withClassicLinkDnsSupported",
"getterDocumentation" : "/**
 * Indicates whether ClassicLink DNS support is enabled for the
VPC.
 */
@return
Indicates whether ClassicLink DNS support is enabled for the VPC.
*/",
"getterMethodName" : "getClassicLinkDnsSupported",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClassicLinkDnsSupported",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "classicLinkDnsSupported",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClassicLinkDnsSupported",
"setterDocumentation" : "/** <p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setClassicLinkDnsSupported",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "classicLinkDnsSupported",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "classicLinkDnsSupported",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
", "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
},
"membersAsMap" : {
  "ClassicLinkDnsSupported" : {
    "c2jName" : "ClassicLinkDnsSupported",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
", "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withClassicLinkDnsSupported",
    "getterDocumentation" : "/** <p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@return Indicates whether ClassicLink DNS support is enabled for the VPC.
"
"getterMethodName" : "getClassicLinkDnsSupported",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClassicLinkDnsSupported",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "classicLinkDnsSupported",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClassicLinkDnsSupported",
"setterDocumentation" : "/**<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.*\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClassicLinkDnsSupported",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "classicLinkDnsSupported",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether ClassicLink DNS support is enabled for the VPC.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "classicLinkDnsSupported",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Boolean"}
"variableSetterType" : "Boolean",
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the VPC.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;&lt;code&gt;\n@param vpcId The ID of the VPC\n\nreturn Returns a reference to this object so that method calls can be chained together.*&lt;/code&gt;*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;&lt;code&gt;\n@return The ID of the VPC.*&lt;/code&gt;*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;&lt;code&gt;\n@param vpcId The ID of the VPC.*&lt;/code&gt;*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param vpcId The ID of the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "The ID of the VPC.
\n@param vpcId The ID of the VPC.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ClassicLinkDnsSupport",
"variableName" : "classicLinkDnsSupport",
"variableType" : "ClassicLinkDnsSupport",
"documentation" : null,
"simpleType" : "ClassicLinkDnsSupport",
"variableSetterType" : "ClassicLinkDnsSupport",
"wrapper" : false
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"deprecated" : false,
"documentation" : "Describes a linked EC2-Classic instance."
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
  @param instanceId The ID of the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
  @return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
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    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceId",
  "setterDocumentation" : "/**<p>The ID of the instance.</p>
  @param instanceId The ID of the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setInstanceId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"name" : "VpcId",
"setterDocumentation" : "/**\n * The ID of the VPC.
 */
@param vpcId The ID of the VPC.

setterMethodName" : "setVpcId",
"setterModel" : {,
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the VPC.
 */
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.

variable" : {,
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "The ID of the VPC.
    
    variableSetterType" : "String",
},
"xmlNameSpaceUri" : null,
}, {,
    "c2jName" : "Groups",
    "c2jShape" : "GroupIdentifierList",
    "deprecated" : false,
    "documentation" : "A list of security groups.
    
    fluentSetterDocumentation" : "/**\n    * A list of security groups.
    * @param groups A list of security groups.
    * @return Returns a reference to this object so that method calls can be chained together.
    */
    
    fluentSetterMethodName" : "withGroups",
    "getterDocumentation" : "/**\n    * A list of security groups.
    */
    
    getterMethodName" : "getGroups",
    "getterModel" : {
        "returnType" : "java.util.List<
GroupIdentifier>",
        "documentation" : null,
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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    },
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupSet",
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"setterModel" : {
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    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "GroupIdentifier",
    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "**<p>A list of security groups.</p>\n@param groups A list of security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
    "variableName" : "groups",
    "variableType" : "java.util.List<GroupIdentifier>",
    "documentation" : "",
    "simpleType" : "List<GroupIdentifier>",
    "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of security groups.</p>\n@param groups A list of security groups.*/"}
appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link 
#withGroups(java.util.Collection)} if you want to override the existing values.</p>

```java
@appends the values to the existing list (if any). Use { @link 
#setGroups(java.util.Collection)} or { @link 
#withGroups(java.util.Collection)} if you want to override the existing values.

```
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Tag",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*
   */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return *
   */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Tag",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*
   */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*
   */"}
method calls can be chained together.*"/",
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            "variableName" : "member",
            "variableType" : "Tag",
            "documentation" : "",
            "simpleType" : "Tag",
            "variableSetterType" : "Tag"
          },
          "xmlNameSpaceUri" : null
        },
        "memberLocationName" : "item",
        "memberType" : "Tag",
        "map" : false,
        "marshallNonAutoConstructedEmptyLists" : false,
        "memberAdditionalMarshallingPath" : null,
        "memberAdditionalUnmarshallingPath" : null,
        "sendEmptyQueryString" : false,
        "simple" : false,
        "simpleType" : "Tag",
        "templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
        "templateType" : "java.util.List<Tag>"
      },
      "map" : false,
      "mapModel" : null,
      "name" : "Tags",
      "setterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
@param tags Any tags assigned to the instance.*/",
      "setterMethodName" : "setTags",
      "setterModel" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
        "variableName" : "tags",
        "variableType" : "java.util.List<Tag>",
        "documentation" : "",
        "simpleType" : "List<Tag>",
        "variableSetterType" : "java.util.Collection<Tag>"
      },
      "simple" : false,
      "varargSetterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection) } or { @link #withTags(java.util.Collection) } if you want to override the existing values.<p/>
@param tags Any tags assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together.*"/",
      "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
        "variableName" : "tags",
        "variableType" : "java.util.List<Tag>",
        "documentation" : "<p>Any tags assigned to the instance.</p>",
        "simpleType" : "List<Tag>",
        "simple" : false,
        "simpleType" : "List<Tag>",
        "simple" : false,
        "simpleType" : "List<Tag>",
        "simple" : false
      }
    }
```
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
] }

"membersAsMap" : {
  "Groups" : {
    "c2jName" : "Groups",
    "c2jShape" : "GroupIdentifierList",
    "deprecated" : false,
    "documentation" : "<p>A list of security groups.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of security groups.</p>
@\n\n@param groups A list of security groups.\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroups",
    "getterDocumentation" : "/**<p>A list of security groups.</p>
@\n\n@return A list of security groups.*/",
    "getterMethodName" : "getGroups",
    "getterModel" : {
      "returnType" : "java.util.List<GroupIdentifier>",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
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      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "groupSet",
      "uri" : false
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    "list" : true,
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      "interfaceType" : "java.util.List",
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        "c2jName" : "member",
        "c2jShape" : "GroupIdentifier",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    },
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateOrDefaultType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
],
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>A list of security groups.</p>
@param groups A list of security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of security groups.</p>

@<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values. */

@param groups A list of security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "<p>A list of security groups.</p>

"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
],

"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the instance.
"
"enumerateType": null,
"fluentSetterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*\"",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "/**<p>The ID of the instance.</p>
@return The ID of the instance.*\"",
"getterMethodName": "getInstanceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*\"",
"setterMethodName": "setInstanceId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "instanceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*\"",
"variable": {
"variableDeclarationType": "String",
"variableName": "instanceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
}
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
 "c2jName" : "Tags",
 "c2jShape" : "TagList",
 "deprecated" : false,
 "documentation" : "<p>Any tags assigned to the instance.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
 * Any tags assigned to the instance.
 */
 @param tags Any tags assigned to the instance.
 @return Returns a reference to this object so that method calls can be chained together.
 */",
 "fluentSetterMethodName" : "withTags",
 "getterDocumentation" : "/**
 * Any tags assigned to the instance.
 */
 @return Any tags assigned to the instance.
 */",
 "getMethodName" : "getTags",
 "getterModel" : {
 "returnType" : "java.util.List<Tag>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "TagSet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "tagSet",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "Tag",
 "deprecated" : false,
 "documentation" : ",
"
**Tags**

Any tags assigned to the instance. Use methods like `setTags(java.util.Collection)` or `withTags(java.util.Collection)` to add or override the tags.

**VpcId**

Any tags assigned to the instance. Returns a reference to this object so that method calls can be chained together.
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ClassicLinkInstance",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ClassicLinkInstance",
  "variableName": "classicLinkInstance",
  "variableType": "ClassicLinkInstance",
  "documentation": null,
  "simpleType": "ClassicLinkInstance",
  "variableSetterType": "ClassicLinkInstance"
},
"wrapper": false
},
"ClientData": {
  "c2jName": "ClientData",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes the client-specific data.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [{
    "c2jName": "UploadStart",
    "documentation": "<p>The ID of the VPC.</p>"
  }],
  "xmlNameSpaceUri": null
}
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time that the disk upload starts.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time that the disk upload starts.</p>
*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUploadStart",
"getterDocumentation" : "/**<p>The time that the disk upload starts.</p>
*\n@return The time that the disk upload starts.*\n",
"getterMethodName" : "getUploadStart",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadStart",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UploadStart",
"uri" : false
},
idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadStart",
"setterDocumentation" : "/**<p>The time that the disk upload starts.</p>
*\n@param uploadStart The time that the disk upload starts.*\n",
"setterMethodName" : "setUploadStart",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "uploadStart",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time that the disk upload starts.</p>
@param uploadStart The time that the disk upload starts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "uploadStart",
"variableType" : "java.util.Date",
"documentation" : "<p>The time that the disk upload starts.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UploadEnd",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time that the disk upload ends.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUploadEnd",
"getterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@return The time that the disk upload ends.*/",
"getterMethodName" : "getUploadEnd",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadEnd",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UploadEnd",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "UploadEnd",
"setterDocumentation": "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.*/",
"setterMethodName": "setUploadEnd",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "uploadEnd",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "uploadEnd",
  "variableType": "java.util.Date",
  "documentation": "<p>The time that the disk upload ends.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
{"c2jName": "UploadSize",
"c2jShape": "Double",
"deprecated": false,
"documentation": "<p>The size of the uploaded disk image, in GiB.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The size of the uploaded disk image, in GiB.</p>
@param uploadSize The size of the uploaded disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUploadSize",
"getterDocumentation": "<p>The size of the uploaded disk image, in GiB.</p>
@return The size of the uploaded disk image, in GiB.

"getterMethodName": "getUploadSize",
"getterModel": {
  "returnType": "Double",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UploadSize",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadSize",
"setterDocumentation" : "/**\n* The size of the uploaded disk image, in GiB.
* @param uploadSize The size of the uploaded disk image, in GiB.
* @return Returns a reference to this object so that method calls can be chained together.\n*/",
"setterMethodName" : "setUploadSize",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "uploadSize",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The size of the uploaded disk image, in GiB.
* @param uploadSize The size of the uploaded disk image, in GiB.
* @return Returns a reference to this object so that method calls can be chained together.\n*/",
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "uploadSize",
  "variableType" : "Double",
  "documentation" : "The size of the uploaded disk image, in GiB.\n",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Comment",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A user-defined comment about the disk upload.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* A user-defined comment about the disk upload.\n* @param comment A user-defined comment about the disk upload.\n* @return Returns a reference to this object so that method calls can
be chained together. */

"fluentSetterMethodName" : "withComment",
"getterDocumentation" : "/**<p>A user-defined comment about the disk upload.<p/>
\n@return A user-defined comment about the disk upload.*/",
"getterMethodName" : "getComment",
"getterModel" : { 
"returnType" : "String",
"documentation" : null 
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Comment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Comment",
"uri" : false 
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Comment",
"setterDocumentation" : "/**<p>A user-defined comment about the disk upload.<p/>
\n@param comment A user-defined comment about the disk upload.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setComment",
"setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "comment",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A user-defined comment about the disk upload.<p/>
\n@param comment A user-defined comment about the disk upload.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "comment",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"variableType" : "String",
"documentation" : "<p>A user-defined comment about the disk upload.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
"membersAsMap" : {
"Comment" : {
"c2jName" : "Comment",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A user-defined comment about the disk upload.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A user-defined comment about the disk upload.</p>*/
@param comment A user-defined comment about the disk upload.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withComment",
"getterDocumentation" : "/**<p>A user-defined comment about the disk upload.</p>*/
@return A user-defined comment about the disk upload.
*/",
"getterMethodName" : "getComment",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Comment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Comment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Comment",
"setterDocumentation" : "/**<p>A user-defined comment about the disk upload.</p>*/


"setterMethodName": "setComment",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "comment",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n A user-defined comment about the disk upload.\n @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "comment",
  "variableType": "String",
  "documentation": "<p>A user-defined comment about the disk upload.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UploadEnd": {
  "c2jName": "UploadEnd",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The time that the disk upload ends.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n The time that the disk upload ends.\n @param uploadEnd The time that the disk upload ends.\n @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withUploadEnd",
  "getterDocumentation": "/**\n The time that the disk upload ends.\n @return The time that the disk upload ends. */",
  "getMethodName": "getUploadEnd",
  "getterModel": {
    "returnType": "java.util.Date",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
"location" : null,
"marshallLocationName" : "UploadEnd",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UploadEnd",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadEnd",
"setterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.*/",
"setterMethodName" : "setUploadEnd",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "uploadEnd",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "uploadEnd",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time that the disk upload ends.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"UploadSize" : {
  "c2jName" : "UploadSize",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The size of the uploaded disk image, in GiB.</p>",
  "simpleType" : "Double",
  "variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "uploadEnd",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The time that the disk upload ends.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNameSpaceUri" : null
},
"UploadSize" : {
  "c2jName" : "UploadSize",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The size of the uploaded disk image, in GiB.</p>",
  "simpleType" : "Double",
  "variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "uploadEnd",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The time that the disk upload ends.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNameSpaceUri" : null
},
"UploadSize" : {
  "c2jName" : "UploadSize",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The size of the uploaded disk image, in GiB.</p>",
  "simpleType" : "Double",
  "variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "uploadEnd",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The time that the disk upload ends.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNameSpaceUri" : null
},
"UploadSize" : {
  "c2jName" : "UploadSize",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The size of the uploaded disk image, in GiB.</p>",
  "simpleType" : "Double",
  "variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "uploadEnd",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The time that the disk upload ends.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNameSpaceUri" : null
}
"getterDocumentation" : "/**<p>The size of the uploaded disk image, in GiB.</p>
@return The size of the uploaded disk image, in GiB.*/",
"getterMethodName" : "getUploadSize",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : false,
  "marshallLocationName" : "UploadSize",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UploadSize",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadSize",
"setterDocumentation" : "/**<p>The size of the uploaded disk image, in GiB.</p>
@param uploadSize The size of the uploaded disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUploadSize",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "uploadSize",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the uploaded disk image, in GiB.</p>
@param uploadSize The size of the uploaded disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "uploadSize",
  "variableType" : "Double",
  "documentation" : "<p>The size of the uploaded disk image, in GiB.</p>"
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlnsSpaceUri" : null
},
"UploadStart" : {
"c2jName" : "UploadStart",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time that the disk upload starts."
"enumType" : null,
"fluentSetterDocumentation" : "The time that the disk upload starts.\n@\param uploadStart The time that the disk upload starts.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUploadStart",
"getterDocumentation" : "The time that the disk upload starts.\n@return The time that the disk upload starts.*/",
"getterMethodName" : "getUploadStart",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadStart",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UploadStart",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadStart",
"setterDocumentation" : "The time that the disk upload starts.\n@\param uploadStart The time that the disk upload starts.*/",
"setterMethodName" : "setUploadStart",
"setterModel" : {
"variableDeclarationType" : "java.util.Date"}
"variableName": "uploadStart",
"variableType": "java.util.Date",
"documentation": "",
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/*\<p>The time that the disk upload starts.\</p>\n@\param uploadStart The time that the disk upload starts.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "java.util.Date",
"variableName": "uploadStart",
"variableType": "java.util.Date",
"documentation": "<p>The time that the disk upload starts.</p>",
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
}
]}
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ClientData",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
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"variable": {
"variableDeclarationType": "ClientData",
"variableName": "clientData",
"variableType": "ClientData",
"documentation": null,
"simpleType": "ClientData",
"variableSetterType": "ClientData"
},
"wrapper": false
},
"ConfirmProductInstanceRequest": {
"c2jName": "ConfirmProductInstanceRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation" : "<p>Contains the parameters for ConfirmProductInstance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "ConfirmProductInstance",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "ProductCode",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The product code. This must be a product code that you own.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>\n@param productCode The product code. This must be a product code that you own.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCode",
  "getterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>\n@return The product code. This must be a product code that you own.*/",
  "getterMethodName" : "getProductCode",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "ProductCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProductCode",
    "uri" : false
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  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductCode",
"setterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
@param productCode The product code. This must be a product code that you own.*/",
"setterMethodName" : "setProductCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
@param productCode The product code. This must be a product code that you own.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCode",
  "variableType" : "String",
  "documentation" : "The product code. This must be a product code that you own.<p>

@return The ID of the instance.

public String getInstanceId() {
    return instanceId;
}

public void setInstanceId(String instanceId) {
    this.instanceId = instanceId;
}


"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>

@http { "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of
instance.

@ReturnValue Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>@param instanceId The ID of the instance.</p>

@ReturnValue Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
],
"ProductCode" : {
  "c2jName" : "ProductCode",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The product code. This must be a product code that you own.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
@returns {ProductCode} The product code. This must be a product code that you own.
*/",
  "getterMethodName" : "getProductCode",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProductCode",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ProductCode",
  "setterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
@returns {ProductCode} The product code. This must be a product code that you own.
*/",
  "setterMethodName" : "setProductCode",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "productCode",
  },
  "variableSett...
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
@param productCode The product code. This must be a product code that you own.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCode",
  "variableType" : "String",
  "documentation" : "<p>The product code. This must be a product code that you own.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ProductCode", "InstanceId" ],
"shapeName" : "ConfirmProductInstanceRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ConfirmProductInstanceRequest",
  "variableName" : "confirmProductInstanceRequest",
  "variableType" : "ConfirmProductInstanceRequest",
  "documentation" : null,
  "simpleType" : "ConfirmProductInstanceRequest",
  "variableSetterType" : "ConfirmProductInstanceRequest"
},
"wrapper" : false
},
"ConfirmProductInstanceResult" : {
  "c2jName" : "ConfirmProductInstanceResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ConfirmProductInstance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "OwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOwnerId",
  "getterDocumentation" : "/**<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>@return The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",
  "getterMethodName" : "getOwnerId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OwnerId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ownerId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "OwnerId",
  "setterDocumentation" : "/**<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",
} ]
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>
@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>
@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance."
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
    "OwnerId" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n\n@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "enumType" : null,
        "fluentSetterDocumentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n\n@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withOwnerId",
        "getterDocumentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n\n@return The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",
        "getterMethodName" : "getOwnerId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "OwnerId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "ownerId",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "OwnerId",
        "setterDocumentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n\n@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",
        "setterMethodName" : "setOwnerId",
        "setterModel" : {
        }
    }
},
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n\n@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
}
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>*/
@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : "<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Return" : {
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>*/
@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withReturnValue",
"getterDocumentation" : "/*<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>*/
@param return The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.
@return The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.*"",
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**\n * The return value of the request. Returns \<code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n */
@param returnValue The return value of the request. Returns \<code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The return value of the request. Returns \<code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n */
@param returnValue The return value of the request. Returns \<code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "\<p>\The return value of the request. Returns \<code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\</p>\"
},
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ConfirmProductInstanceResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ConfirmProductInstanceResult",
  "variableName" : "confirmProductInstanceResult",
  "variableType" : "ConfirmProductInstanceResult",
  "documentation" : null,
  "simpleType" : "ConfirmProductInstanceResult",
  "variableSetterType" : "ConfirmProductInstanceResult"
},
"wrapper" : false
},
"ContainerFormat" : {
  "c2jName" : "ContainerFormat",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Ova",
    "value" : "ova"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ContainerFormat",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  }
}
"variable" : {
    "variableDeclarationType" : "ContainerFormat",
    "variableName" : "containerFormat",
    "variableType" : "ContainerFormat",
    "documentation" : null,
    "simpleType" : "ContainerFormat",
    "variableSetterType" : "ContainerFormat"
},
"wrapper" : false
},
"ConversionTask" : {
    "c2jName" : "ConversionTask",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes a conversion task.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "ConversionTaskId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the conversion task.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the conversion task.</p>\n@returns{String} The ID of the conversion task.\n\n@returns{String} The ID of the conversion task.*/",
        "fluentSetterMethodName" : "withConversionTaskId",
        "getterDocumentation" : "/**<p>The ID of the conversion task.</p>\n@returns{String} The ID of the conversion task.*/",
        "getterMethodName" : "getConversionTaskId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ConversionTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTaskId",
"setterDocumentation" : "/**<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task.*/",
"setterMethodName" : "setConversionTaskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "conversionTaskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "conversionTaskId",
"variableType" : "String",
"documentation" : "<p>The ID of the conversion task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ExpirationTime",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the
expiration time, we automatically cancel the task.\n@param expirationTime The time when the task expires. If
the upload isn't complete before the expiration time, we automatically cancel the task.\n@return Returns a reference
to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withExpirationTime",
"getterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@return The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.*/",
"getterMethodName" : "getExpirationTime",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ExpirationTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "expirationTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExpirationTime",
"setterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.*/",
"setterMethodName" : "setExpirationTime",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "expirationTime",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@param expirationTime The time when the task expires. If
"setterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.*/

"setterMethodName" : "setExpirationTime",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "expirationTime",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@param expirationTime The time when the task expires. If
"setterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.*/

"setterMethodName" : "setExpirationTime",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "expirationTime",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@param expirationTime The time when the task expires. If
the upload isn't complete before the expiration time, we automatically cancel the task.\n@return Returns a reference to this object so that method calls can be chained together.*/
   "variable" : {  
   "variableDeclarationType" : "String",
   "variableName" : "expirationTime",
   "variableType" : "String",
   "documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
   },
   "xmlNameSpaceUri" : null
],
"c2jName" : "ImportInstance",
"c2jShape" : "ImportInstanceTaskDetails",
"deprecated" : false,
"documentation" : "<p>If the task is for importing an instance, this contains information about the import instance task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the task is for importing an instance, this contains information about the import instance task.</p>@param importInstance If the task is for importing an instance, this contains information about the import instance task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportInstance",
"getterDocumentation" : "/**<p>If the task is for importing an instance, this contains information about the import instance task.</p>
@return If the task is for importing an instance, this contains information about the import instance task.*/",
"getterMethodName" : "getImportInstance",
"getterModel" : {
   "returnType" : "ImportInstanceTaskDetails",
   "documentation" : null
   },
   "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ImportInstance",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "importInstance",
   "uri" : false
   },
   "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportInstance",
"setterDocumentation" : /*<p>If the task is for importing an instance, this contains information about the import instance task.</p>@param importInstance If the task is for importing an instance, this contains information about the import instance task.*/",
"setterMethodName" : "setImportInstance",
"setterModel" : {
  "variableDeclarationType" : "ImportInstanceTaskDetails",
  "variableName" : "importInstance",
  "variableType" : "ImportInstanceTaskDetails",
  "documentation" : "",
  "simpleType" : "ImportInstanceTaskDetails",
  "variableSetterType" : "ImportInstanceTaskDetails"
},
"simple" : false,
"varargSetterDocumentation" : /*<p>If the task is for importing an instance, this contains information about the import instance task.</p>@param importInstance If the task is for importing an instance, this contains information about the import instance task.*/
"variable" : {
  "variableDeclarationType" : "ImportInstanceTaskDetails",
  "variableName" : "importInstance",
  "variableType" : "ImportInstanceTaskDetails",
  "documentation" : "If the task is for importing an instance, this contains information about the import instance task.
@return Returns a reference to this object so that method calls can be chained together.*"/
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ImportVolume",
"c2jShape" : "ImportVolumeTaskDetails",
"deprecated" : false,
"documentation" : "If the task is for importing a volume, this contains information about the import volume task.
@return Returns a reference to this object so that method calls can be chained together.*"/
,"enumType" : null,
"fluentSetterDocumentation" : /*<p>If the task is for importing a volume, this contains information about the import volume task.</p>@param importVolume If the task is for importing a volume, this contains information about the import volume task.*/
"fluentSetterMethodName" : "withImportVolume",
"getterDocumentation" : /*<p>If the task is for importing a volume, this contains information about the import volume task.</p>@return If the task is for importing a volume, this contains information about the import volume task.*/
"getterMethodName" : "getImportVolume",
"setterMethodName" : "setImportVolume",
"getterModel" : {
  "returnType" : "ImportVolumeTaskDetails",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportVolume",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "importVolume",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportVolume",
"setterDocumentation" : "/**<p>If the task is for importing a volume, this contains information about the
import volume task.</p>
@param importVolume If the task is for importing a volume, this contains information
about the import volume task.*/",
"setterMethodName" : "setImportVolume",
"setterModel" : {
  "variableDeclarationType" : "ImportVolumeTaskDetails",
  "variableName" : "importVolume",
  "variableType" : "ImportVolumeTaskDetails",
  "documentation" : "",
  "simpleType" : "ImportVolumeTaskDetails",
  "variableSetterType" : "ImportVolumeTaskDetails"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>If the task is for importing a volume, this contains information about the
import volume task.</p>
@param importVolume If the task is for importing a volume, this contains information
about the import volume task.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "ImportVolumeTaskDetails",
  "variableName" : "importVolume",
  "variableType" : "ImportVolumeTaskDetails",
  "documentation" : "<p>If the task is for importing a volume, this contains information about the import
volume task.</p>",

"simpleType" : "ImportVolumeTaskDetails",
"variableSetterType" : "ImportVolumeTaskDetails"
},
"xmlnsSpaceUri" : null
],
"c2jName" : "State",
"c2jShape" : "ConversionTaskState",
"deprecated" : false,
"documentation" : "<p>The state of the conversion task.</p>",
"enumType" : "ConversionTaskState",
"fluentSetterDocumentation" : "/**<p>The state of the conversion task.</p>\n@param state The state of the conversion task.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ConversionTaskState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the conversion task.</p>\n@return The state of the conversion task.\n@see ConversionTaskState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the conversion task.</p>\n@param state The state of the conversion task.\n@see ConversionTaskState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state"}
"variableType": "String",
"documentation": ",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\pnThe state of the conversion task.\n\param state The state of the conversion task.\n\return Returns a reference to this object so that method calls can be chained together.\n\see ConversionTaskState*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "<p>The state of the conversion task.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "StatusMessage",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The status message related to the conversion task.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\pnThe status message related to the conversion task.\n\param statusMessage The status message related to the conversion task.\n\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStatusMessage",
"getterDocumentation": "/**\pnThe status message related to the conversion task.\n\return The status message related to the conversion task.*/",
"getterMethodName": "getStatusMessage",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "StatusMessage",
  "queryString": null,
  "statusCode": false,
  "unmarshallLocationName": "statusMessage"}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>The status message related to the conversion task.</p>
@param statusMessage The status message related to the conversion task.*"/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status message related to the conversion task.</p>
@param statusMessage The status message related to the conversion task.*"/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "<p>The status message related to the conversion task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the task.</p>
@param tags Any tags assigned to the task.*"/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the task.</p>
@return Any tags assigned to the task.*"/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n@param tags Any tags assigned to the task.</p><p>@param tags Any tags assigned to the task.*/",
"setterMethodName" : "setTags"
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the task.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p><p>@param tags Any tags assigned to the task.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>Any tags assigned to the task.</p>",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "ConversionTaskId" : {
        "c2jName" : "ConversionTaskId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the conversion task.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the conversion task.</p><p>@param conversionTaskId The ID of the conversion task.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withConversionTaskId",
        "getterDocumentation" : "/**<p>The ID of the conversion task.</p><p>@return The ID of the conversion task.</p>*/",
        "getterMethodName" : "getConversionTaskId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
null,
"marshallLocationName" : "ConversionTaskId",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "conversionTaskId",
"uri" : false
},
"setIdempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTaskId",
"setterDocumentation" : "/**<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task. */
setterMethodname" : "setConversionTaskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "conversionTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task.
@return Returns a reference to this object so that method calls can be chained together. */
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "conversionTaskId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the conversion task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ExpirationTime" : {
  "c2jName" : "ExpirationTime",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>
@param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
@return Returns a reference"
to this object so that method calls can be chained together.*/*",
    "fluentSetterMethodName" : "withExpirationTime",
    "getterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\nreturn The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.*"",
    "getterMethodName" : "getExpirationTime",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ExpirationTime",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "expirationTime",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ExpirationTime",
    "setterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\nparam expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.*"",
    "setterMethodName" : "setExpirationTime",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "expirationTime",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\n@param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.\nreturn Returns a reference to this object so that method calls can be chained together.*"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "expirationTime",
  "variableType" : "String",
  "documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ImportInstance" : {
  "c2jName" : "ImportInstance",
  "c2jShape" : "ImportInstanceTaskDetails",
  "deprecated" : false,
  "documentation" : "<p>If the task is for importing an instance, this contains information about the import instance task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>If the task is for importing an instance, this contains information about the import instance task.</p>*/
@<param importInstance If the task is for importing an instance, this contains information about the import instance task.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImportInstance",
  "getterDocumentation" : "/**<p>If the task is for importing an instance, this contains information about the import instance task.</p>*/
@<param importInstance If the task is for importing an instance, this contains information about the import instance task.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterModel" : {
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    "documentation" : null
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "importInstance",
    "uri" : false
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  "list" : false,
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"mapModel" : null,
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@param importInstance If the task is for importing an instance, this contains information about the import instance task.
*/",
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  "variableName" : "importInstance",
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  "documentation" : "",
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  "variableSetterType" : "ImportInstanceTaskDetails"
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"simple" : false,
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@param importInstance If the task is for importing an instance, this contains information about the import instance task.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableName" : "importInstance",
  "variableType" : "ImportInstanceTaskDetails",
  "documentation" : "",
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  "variableSetterType" : "ImportInstanceTaskDetails"
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"ImportVolume" : {
  "c2jName" : "ImportVolume",
  "c2jShape" : "ImportVolumeTaskDetails",
  "deprecated" : false,
  "documentation" : "If the task is for importing a volume, this contains information about the import volume task.
*/",
  "simpleType" : "ImportVolumeTaskDetails",
  "variableSetterType" : "ImportVolumeTaskDetails"
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"xmlNameSpaceUri" : null
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  "c2jName" : "ImportVolume",
  "c2jShape" : "ImportVolumeTaskDetails",
  "deprecated" : false,
  "documentation" : "If the task is for importing a volume, this contains information about the import volume task.
*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "If the task is for importing a volume, this contains information about the import volume task.
*/
",  
  "fluentSetterMethodName" : "withImportVolume",
  "getterDocumentation" : "If the task is for importing a volume, this contains information about the import volume task.
*/
",  
  "getterMethodName" : "getImportVolume",
  "setterDocumentation" : "If the task is for importing a volume, this contains information about the import volume task.
*/
",  
  "setterMethodName" : "setImportVolume",
  "setterModel" : {
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    "variableType" : "ImportVolumeTaskDetails",
    "documentation" : "",
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    "variableSetterType" : "ImportVolumeTaskDetails"
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  "simple" : false,
  "varargSetterDocumentation" : "If the task is for importing a volume, this contains information about the import volume task.
@param importVolume If the task is for importing a volume, this contains information about the import volume task.
@return Returns a reference to this object so that method calls can be chained together.
*/
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    "variableType" : "ImportVolumeTaskDetails",
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    "variableSetterType" : "ImportVolumeTaskDetails"
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  "xmlNameSpaceUri" : null
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  "returnType" : "ImportVolumeTaskDetails",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "importVolume",
  "uri" : false
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"map" : false,
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@param importVolume If the task is for importing a volume, this contains information about the import volume task.*/",
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  "variableType" : "ImportVolumeTaskDetails",
  "documentation" : "",
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@param importVolume If the task is for importing a volume, this contains information about the import volume task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "statusCode" : false,
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    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
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},
"State": {
"c2jName": "State",
"c2jShape": "ConversionTaskState",
"deprecated": false,
"documentation": "&lt;p&gt;The state of the conversion task.&lt;/p&gt;",
"enumType": "ConversionTaskState",
"fluentSetterDocumentation": "/\*\*&lt;p&gt;The state of the conversion task.&lt;/p&gt;\*\@
@return The state of the conversion task.&lt;br/&gt;&lt;param name="state"&gt;The state of the conversion task.&lt;/param&gt;&lt;/\*\*\*/",
"fluentSetterMethodName": "withState",
"getterDocumentation": "/\*\*&lt;p&gt;The state of the conversion task.&lt;/p&gt;\*\@
@return The state of the conversion task.&lt;br/&gt;&lt;param name="state"&gt;The state of the conversion task.&lt;/param&gt;&lt;/\*\*\*/",
"getterMethodName": "getState",
"getterModel": {
"returnType": "String",
"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"list": false,
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"mapModel": null,
"name": "State",
"setterDocumentation": "/\*\*&lt;p&gt;The state of the conversion task.&lt;/p&gt;\*\@
@return Returns a reference to this object so that method calls can be chained together.&lt;br/&gt;&lt;see ConversionTaskState*/",
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"variableSetterType": "ImportVolumeTaskDetails"
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"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the conversion task.</p>
@param state The state of the conversion task.
@return Returns a reference to this object so that method calls can be chained together.
@see ConversionTaskState*/",
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"variableType" : "String",
"documentation" : "The state of the conversion task.
",
"simpleType" : "String",
"variableSetterType" : "String"
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"StatusMessage" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The status message related to the conversion task.
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status message related to the conversion task.</p>
@param statusMessage The status message related to the conversion task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>The status message related to the conversion task.</p>
@return The status message related to the conversion task.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together. */",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**p>Any tags assigned to the task.</p>@param
tags Any tags assigned to the task.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**p>Any tags assigned to the task.</p>@param
tags Any tags assigned to the task. */",
  "getterMethodName" : "getTags",
  "getterModel" : {

"returnType" : "java.util.List<Tag>",
"documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "unmarshallLocationName" : "tagSet",
  "uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "Tag",
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    "documentation" : "",
    "enumType" : null,
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method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return *
" getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "Item",
    }
  }
}
"queryString" : false,
"statusCode" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**
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"setterModel" : {
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"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlnsSpaceUri" : null
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"memberType" : "Tag",
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Tag>
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"setterModel" : {
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  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Any tags assigned to the task.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setTags(java.util.Collection)} or \{@link #withTags(java.util.Collection)} if you want to override the existing values.\n@param tags Any tags assigned to the task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the task.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
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"xmlNameSpaceUri" : null
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"shapeName" : "ConversionTask",
"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : null,
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
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"ConversionTaskState" : {"c2jName" : "ConversionTaskState"}
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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"documentation" : "",
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    "value" : "active"
}, {
    "name" : "Cancelling",
    "value" : "cancelling"
}, {
    "name" : "Cancelled",
    "value" : "cancelled"
}, {
    "name" : "Completed",
    "value" : "completed"
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ConversionTaskState",
"unmarshaller" : {
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    "resultWrapper" : null
},
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    "variableType" : "ConversionTaskState",
    "documentation" : null,
    "simpleType" : "ConversionTaskState",
    "variableSetterType" : "ConversionTaskState"
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"wrapper" : false
},
"CopyImageRequest" : {
"c2jName" : "CopyImageRequest",
"customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CopyImage.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [
    {
        "c2jName" : "SourceRegion",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The name of the region that contains the AMI to copy.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The name of the region that contains the AMI to copy.</p>
@param
sourceRegion The name of the region that contains the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withSourceRegion",
        "getterDocumentation" : "/**<p>The name of the region that contains the AMI to copy.</p>
@return The name of the region that contains the AMI to copy. */",
        "getterMethodName" : "getSourceRegion",
        "getterModel" : {
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            "documentation" : null
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            "additionalUnmarshallingPath" : null,
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            "additionalUnmarshallingPath" : null,
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"unmarshallLocationName": "SourceRegion",
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"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceRegion",
"setterDocumentation": "/**
<p>The name of the region that contains the AMI to copy.</p>
@param sourceRegion The name of the region that contains the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"setterModel": {
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  "variableName": "sourceRegion",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The name of the region that contains the AMI to copy.</p>
@param sourceRegion The name of the region that contains the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableName": "sourceRegion",
  "variableType": "String",
  "documentation": "<p>The name of the region that contains the AMI to copy.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "SourceImageId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the AMI to copy.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withSourceImageId",
"getterDocumentation": "/**
<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
@return The ID of the AMI to copy.
*/",
"getMethodName": "getSourceImageId",}
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  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceImageId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceImageId",
"setterDocumentation" : "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "sourceImageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI to copy.</p>\n@param sourceImageId The ID of the AMI to copy.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "sourceImageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI to copy.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the new AMI in the destination region.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the new AMI in the destination region.</p>
@returns Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/**<p>The name of the new AMI in the destination region.</p>
@returns The name of the new AMI in the destination region.
*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Name",
  "setterDocumentation" : "/**<p>The name of the new AMI in the destination region.</p>
@returns The name of the new AMI in the destination region.
*/",
  "setterMethodName" : "setName",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"simple" : true,

"varargSetterDocumentation" : "/**\n* The name of the new AMI in the destination region.
* @return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "The name of the new AMI in the destination region.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlnsSpaceUri" : null,

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description for the new AMI in the destination region.",
"enumType" : null,

"fluentSetterDocumentation" : "/**\n* A description for the new AMI in the destination region.
* @return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withDescription",

"getterDocumentation" : "/**\n* A description for the new AMI in the destination region.
* @return A description for the new AMI in the destination region.
* /**",

"getterMethodName" : "getDescription",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,

"simple" : true,

"varargSetterDocumentation" : "/**\n* The name of the new AMI in the destination region.
* @param name
* The name of the new AMI in the destination region.
* @return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "The name of the new AMI in the destination region.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlnsSpaceUri" : null,

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description for the new AMI in the destination region.
* @param description
* A description for the new AMI in the destination region.
* @return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withDescription",

"getterDocumentation" : "/**\n* A description for the new AMI in the destination region.
* @return A description for the new AMI in the destination region.
* /**",

"getterMethodName" : "getDescription",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel"
"map"
"mapModel"
"name"
"setterDocumentation" : "/**<p>A description for the new AMI in the destination region.<p>
@param description A description for the new AMI in the destination region.
*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the new AMI in the destination region.<p>
@param description A description for the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the new AMI in the destination region.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>.
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>.
  "return" : Returns a reference to this object so that method calls can be chained together.<p>"*/",
  "fluentSetterMethodName" : "withClientToken",
  "getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>.
  "return" : Returns a reference to this object so that method calls can be chained together.<p>"*/",
  "getterMethodName" : "getClientToken",
  "getterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>.
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "return" : Returns a reference to this object so that method calls can be chained together.<p>"*/",
  "varargGetterMethodName" : "withClientToken",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>.
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
How to Ensure Idempotency

**getterMethodName** : "getClientToken",
**getterModel** : {
  "returnType" : "String",
  "documentation" : null
},
**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientToken",
  "uri" : false
},
**idempotencyToken** : false,
**list** : false,
**listModel** : null,
**map** : false,
**mapModel** : null,
**name** : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</i>.

@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</i>.

*/",
**setterMethodName** : "setClientToken",
**setterModel** : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
**simple** : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \n@return Returns a reference to this object so that method calls can be chained together.*\n"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : ":<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \n\n"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : ":Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \n\n"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \n\n@return Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \n\n"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \n\n@return Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-
default AWS Key Management Service (AWS KMS) CMK is specified with `<code>KmsKeyId</code>`. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a>` in the `<i>Amazon Elastic Compute Cloud User Guide</i>.

```
"getterMethodName" : "getEncrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with `<code>KmsKeyId</code>`. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a>` in the `<i>Amazon Elastic Compute Cloud User Guide</i>.

@param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with `<code>KmsKeyId</code>`. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a>` in the `<i>Amazon Elastic Compute Cloud User Guide</i>.

 setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
```
"varargSetterDocumentation": "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide</p>.
@param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a>.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable": {
    "variableDeclarationType": "Boolean",
    "variableName": "encrypted",
    "variableType": "Boolean",
    "documentation": "Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.

    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,

"c2jName": "KmsKeyId",
"c2jShape": "String",
"deprecated": false,

"documentation": "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:us-east-1:<i>account-id</i>:key:<i>key-id</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

    "enumType": null,
    "fluentSetterDocumentation": "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:us-east-1:<i>account-id</i>:key:<i>key-id</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

    "enumType": null,"
CMK for EBS is used. The ARN contains the `<code>arn:aws:kms</code>` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `<code>key</code>` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`.

The specified CMK must exist in the region that the snapshot is being copied to. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set.

`@return Returns a reference to this object so that method calls can be chained together.*`
**setterDocumentation** : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the `arn:aws:kms` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `key` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.<p>

**setterMethodName** : "setKmsKeyId",

**setterModel** : {
    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the `arn:aws:kms` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `key` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.<p>

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the
<code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set. </p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
} ],
"membersAsMap" : {
 "ClientToken" : {
 "c2jName" : "ClientToken",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>*/",
 "fluentSetterMethodName" : "withClientToken",
 "getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>*/",
 "getterMethodName" : "getClientToken",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" target="_blank">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" target="_blank">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" target="_blank">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" target="_blank">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" target="_blank">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>.
"simpleType" : "String",  "variableSetterType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description for the new AMI in the destination region.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A description for the new AMI in the destination region.</p>
   * @param description A description for the new AMI in the destination region.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**<p>A description for the new AMI in the destination region.</p>
   * @return A description for the new AMI in the destination region.
   */",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Description",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Description",
  "setterDocumentation" : "/**<p>A description for the new AMI in the destination region.</p>
   * @param description A description for the new AMI in the destination region.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setDescription",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
  }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the new AMI in the destination region.</p>
@param description A description for the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description for the new AMI in the destination region.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
",
"getterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
",
"getterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

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```json
"getterMethod\_Name" : "get\_Encrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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"http" : {
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  "additional\_UnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "is\_Payload" : false,
  "is\_Streaming" : false,
  "location" : null,
  "marshall\_Location\_Name" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshall\_Location\_Name" : "encrypted",
  "uri" : false
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"idempotency\_Token" : false,
"list" : false,
"list\_Model" : null,
"map" : false,
"map\_Model" : null,
"name" : "Encrypted",
"setter\_Documentation" : "/**\n * Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>Kms\_KeyId</code>. For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html). For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html) in the Amazon Elastic Compute Cloud User Guide.*/\n *
 @param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>Kms\_KeyId</code>. For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html). For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html) in the Amazon Elastic Compute Cloud User Guide.*/",
"setter\_Method\_Name" : "set\_Encrypted",
"setter\_Model" : {
  "variable\_Declaration\_Type" : "Boolean",
  "variable\_Name" : "encrypted",
  "variable\_Type" : "Boolean",
  "documentation" : "",
  "simple\_Type" : "Boolean",
  "variable\_Setter\_Type" : "Boolean"
},
"simple" : true
```
"vargSetterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide</i>. @param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide</i>. @return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Boolean",
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  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide</i>.

  @param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:</i>:<i>012345678910</i>:<i>:key</i>:<i>:abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean",

    "KmsKeyId" : {
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      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:</i>:<i>012345678910</i>:<i>:key</i>:<i>:abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:</i>:<i>012345678910</i>:<i>:key</i>:<i>:abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/"}
CMK for EBS is used. The ARN contains the `<code>arn:aws:kms</code>` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `<code>key</code>` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4ed56ef</i>`. The specified CMK must exist in the region that the snapshot is being copied to. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set. 

```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the `<code>arn:aws:kms</code>` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `<code>key</code>` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4ed56ef</i>`. The specified CMK must exist in the region that the snapshot is being copied to. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set. 
```

```
The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<code>key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

@return Returns a reference to this object so that method calls can be chained together.

@see http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-properties-ec2-image-copy.html#aws-properties-ec2-image-copy-kmskeyid

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<code>key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.
<code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i></code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>

```

"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
},
"Name" : {
"c2jName" : "Name",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the new AMI in the destination region.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the new AMI in the destination region.</p>
@param
@name The name of the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>The name of the new AMI in the destination region.</p>
@return The name of the new AMI in the destination region.*/",
"getterMethodName" : "getName",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Name",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The name of the new AMI in the destination region.</p>
@param name The name of the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "name",
  "variableType": "String",
  "documentation": "<p>The name of the new AMI in the destination region.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SourceImageId": {
  "c2jName": "SourceImageId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the AMI to copy.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSourceImageId",
  "getterDocumentation": "/**<p>The ID of the AMI to copy.</p>
@return The ID of the AMI to copy.*/",
  "getterMethodName": "getSourceImageId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
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  "http": {
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    "greedy": false,
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    "isStreaming": false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceImageId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceImageId",
"setterDocumentation" : "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.*/",
"setterMethodName" : "setSourceImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceImageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI to copy.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"SourceRegion" : {
  "c2jName" : "SourceRegion",
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  "deprecated" : false,
  "documentation" : "<p>The name of the region that contains the AMI to copy.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the region that contains the AMI to copy.</p>
@param sourceRegion The name of the region that contains the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSourceRegion",
  "getterDocumentation" : "/**<p>The name of the region that contains the AMI to copy.</p>
@param sourceRegion The name of the region that contains the AMI to copy.*/",}
name of the region that contains the AMI to copy.

"getterMethodName" : "getSourceRegion",
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceRegion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SourceRegion",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceRegion",
"setterDocumentation" : "The name of the region that contains the AMI to copy.\n@param sourceRegion The name of the region that contains the AMI to copy.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"setterMethodName" : "setSourceRegion",
"setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The name of the region that contains the AMI to copy.\n@return Returns a reference to this object so that method calls can be chained together.\n",
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    "variableName" : "sourceRegion",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType": "String",
"xmlNameSpaceUri": null
}

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"shapeName": "CopyImageRequest",
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"variableType": "CopyImageRequest",
"documentation": null,
"simpleType": "CopyImageRequest",
"variableSetterType": "CopyImageRequest"
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"wrapper": false
},
"CopyImageResult": {
"c2jName": "CopyImageResult",
"customization": {
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the output of CopyImage.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "ImageId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the new AMI.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n* The ID of the new AMI.
*\n* @param imageId The ID of the new AMI.
*\n* @return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName": "withImageId",
"getterDocumentation": "/**\n* The ID of the new AMI.
*\n* @return The ID of the new AMI.\*/",
"getterMethodName": "getImageId",
"unmarshaller": null,
"variable": {
"variableDeclarationType": "CopyImageRequest",
"variableName": "copyImageRequest",
"variableType": "CopyImageRequest",
"documentation": null,
"simpleType": "CopyImageRequest",
"variableSetterType": "CopyImageRequest"
},
"wrapper": false
}
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  "ImageId" : {
    "c2jName" : "ImageId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the new AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the new AMI.</p><p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withImageId",
    "getterDocumentation" : "/**<p>The ID of the new AMI.</p><p>\n@return The ID of the new AMI.</p>*/",
    "getterMethodName" : "getImageId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ImageId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "imageId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ImageId",
    "setterDocumentation" : "/**<p>The ID of the new AMI.</p><p>\n@param imageId The ID of the new AMI.</p>*/",
    "setterMethodName" : "setImageId",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "imageId",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
  },
"varargSetterDocumentation" : "/*\n\n@param imageId The ID of the new AMI.*/\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "The ID of the new AMI.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CopyImageResult",

"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {
  "variableDeclarationType" : "CopyImageResult",
  "variableName" : "copyImageResult",
  "variableType" : "CopyImageResult",
  "documentation" : null,
  "simpleType" : "CopyImageResult",
  "variableSetterType" : "CopyImageResult"
},

"wrapper" : false
},

"CopySnapshotRequest" : {
  "c2jName" : "CopySnapshotRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the parameters for CopySnapshot.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "encodingType" : "JSON",
    "operationName" : "CopySnapshot",
    "requestName" : "CopySnapshotRequest",
    "responseName" : "CopySnapshotResponse",
    "requestMarshallerClassFqcn" : null,
    "responseMarshallerClassFqcn" : null,
    "requestMemberName" : "CopySnapshotRequest",
    "responseMemberName" : "CopySnapshotResponse",
    "marshalledResponseMemberName" : null,
    "unmarshallerClassFqcn" : null,
    "requiredMemberNames" : null,
    "responseMarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
    "responseMarshallerProviderClassFqcn" : null,
    "responseUnmarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
    "responseUnmarshallerProviderClassFqcn" : null,
    "marshalledResponseMemberNames" : null,
    "retryStrategyClassFqcn" : null,
    "retryStrategyProviderClassFqcn" : null,
    "locationMarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
    "locationUnmarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
    "requiredMembers" : null,
    "responseClassFqcn" : "com.amazonaws.IoTThingsGraphCopySnapshotResponse",
    "requestClassFqcn" : "com.amazonaws.IoTThingsGraphCopySnapshotRequest",
    "responseUnmarshallerClassFqcn" : null,
    "requestUnmarshallerClassFqcn" : null,
    "shapeName" : "CopySnapshotRequest",
    "nameExpression" : "CopySnapshotRequest",
    "signatureVersion" : "V3",
    "responseMarshallerProviderClass" : "com.amazonawsmarshaller.json.standard.XmlToJSONMarshallerProvider",  
    "requestMarshallerProviderClass" : "com.amazonawsmarshaller.json.standard.XmlToJSONMarshallerProvider", 
    "responseUnmarshallerProviderClass" : "com.amazonawsmarshaller.json.standard.XmlUnmarshallerProvider", 
    "requestUnmarshallerProviderClass" : "com.amazonawsmarshaller.json.standard.XmlUnmarshallerProvider", 
    "marshallerContext" : 
  },
  "requiredMemberNames" : null,
  "responseUnmarshallerClassFqcn" : null,
  "requestUnmarshallerClassFqcn" : null,
  "shapeName" : "CopySnapshotRequest",
  "nameExpression" : "CopySnapshotRequest",
  "signatureVersion" : "V3",
  "responseMarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
  "responseMarshallerProviderClassFqcn" : null,
  "responseUnmarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
  "responseUnmarshallerProviderClassFqcn" : null,
  "marshalledResponseMemberNames" : null,
  "retryStrategyClassFqcn" : null,
  "retryStrategyProviderClassFqcn" : null,
  "locationMarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
  "locationUnmarshallerProviderType" : "SINGLE_REQUEST_SINGULAR",
  "requiredMembers" : null,
"action" : "CopySnapshot",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
],
"members" : [ {
  "c2jName" : "SourceRegion",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the region that contains the snapshot to be copied.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>*/
    @param sourceRegion The ID of the region that contains the snapshot to be copied.
    @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withSourceRegion",
  "getterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>
    @return The ID of the region that contains the snapshot to be copied. */",
  "getterMethodName" : "getSourceRegion",
  "getterModel" : { "returnType" : "String", "documentation" : null },
  "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "SourceRegion", "setterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>
    @param sourceRegion The ID of the region that contains the snapshot to be copied. */",
    "setterMethodName" : "setSourceRegion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceRegion",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>
@param sourceRegion The ID of the region that contains the snapshot to be copied.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceRegion",
    "variableType" : "String",
    "documentation" : "<p>The ID of the region that contains the snapshot to be copied.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceSnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS snapshot to copy.</p>
"description" : "The ID of the EBS snapshot to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSnapshotId",
"getterDocumentation" : "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.
@return The ID of the EBS snapshot to copy.*/",
"getterMethodName" : "getSourceSnapshotId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceSnapshotId"}
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SourceSnapshotId",
"uri": false,
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceSnapshotId",
"setterDocumentation": "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.</p>*/",
"setterMethodName": "setSourceSnapshotId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "sourceSnapshotId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.</p>\n@return Returns a reference to this object so that method calls can be chained together."",
"variable": {
"variableDeclarationType": "String",
"variableName": "sourceSnapshotId",
"variableType": "String",
"documentation": "<p>The ID of the EBS snapshot to copy.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNameSpaceUri": null,
],
"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A description for the EBS snapshot.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A description for the EBS snapshot.</p>
@param description A description for the EBS snapshot.</p>\n@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/**<p>A description for the EBS snapshot.</p>
@return A description for the EBS snapshot.</p>",
"getterMethodName": "getDescription"
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n\n<p>A description for the EBS snapshot.</p>
@param description A description for the EBS snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n<p>A description for the EBS snapshot.</p>
@param description A description for the EBS snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the EBS snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "DestinationRegion",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The destination region to use in the `<code>PresignedUrl</code>` parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a `<code>PresignedUrl</code>` parameter, where it is required.</p> <p><code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as `ec2.us-east-1.amazonaws.com` (in the AWS CLI, this is specified with the `<code>--region</code>` parameter or the default region in your AWS configuration file). </p> 
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The destination region to use in the `<code>PresignedUrl</code>` parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a `<code>PresignedUrl</code>` parameter, where it is required.</p> <p><code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as `ec2.us-east-1.amazonaws.com` (in the AWS CLI, this is specified with the `<code>--region</code>` parameter or the default region in your AWS configuration file). </p> 
@param destinationRegion The destination region to use in the `<code>PresignedUrl</code>` parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a `<code>PresignedUrl</code>` parameter, where it is required. </p> <p><code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as `ec2.us-east-1.amazonaws.com` (in the AWS CLI, this is specified with the `<code>--region</code>` parameter or the default region in your AWS configuration file). </p> 
@return Returns a reference to this object so that method calls can be chained together.*/,
  "fluentSetterMethodName" : "withDestinationRegion",
  "getterDocumentation" : "/**<p>The destination region to use in the `<code>PresignedUrl</code>` parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a `<code>PresignedUrl</code>` parameter, where it is required.</p> <p><code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as `ec2.us-east-1.amazonaws.com` (in the AWS CLI, this is specified with the `<code>--region</code>` parameter or the default region in your AWS configuration file). </p> 
@return The destination region to use in the `<code>PresignedUrl</code>` parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a `<code>PresignedUrl</code>` parameter, where it is required. </p> <p><code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as `ec2.us-east-1.amazonaws.com` (in the AWS CLI, this is specified with the `<code>--region</code>` parameter or the default region in your AWS configuration file). </p> 
*/",
  "getterMethodName" : "getDestinationRegion",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationRegion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationRegion",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationRegion",
"setterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p>
<note><p>CopySnapshot</p></note>
"setterMethodName" : "setDestinationRegion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationRegion",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p>
<note><p>CopySnapshot</p></note>
"variableDeclarationType" : "String",
"variableName" : "destinationRegion",
"variableType" : "String",
"documentation" : "The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.

<note>
<code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).
</note>

"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
"c2jName" : "PresignedUrl",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in "Authenticating Requests by Using Query Parameters (AWS Signature Version 4)" in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

"enumType" : null,
"fluentSetterDocumentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in "Authenticating Requests by Using Query Parameters (AWS Signature Version 4)" in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in "Authenticating Requests by Using Query Parameters (AWS Signature Version 4)" in the <i>Amazon Simple Storage Service Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.
"}
API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```java
public String getPresignedUrl() {
    // Implementation
}
```

API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

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public String getPresignedUrl() {
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The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the iAmazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

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public String getPresignedUrl() {
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The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the iAmazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```java
public String getPresignedUrl() {
    // Implementation
}
```
**setterDocumentation** : "/*<p>The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.</p>\n\n@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.*/",

"setterMethodName" : "setPresignedUrl",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "presignedUrl",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/*<p>The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.</p>\n\n@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and
include the `<code>SourceRegion</code>`, `<code>SourceSnapshotId</code>`, and `<code>DestinationRegion</code>` parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state.

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "presignedUrl",
  "variableType" : "String",
  "documentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `<code>PresignedUrl</code>` should use the snapshot source endpoint, the `<code>CopySnapshot</code>` action, and include the `<code>SourceRegion</code>`, `<code>SourceSnapshotId</code>`, and `<code>DestinationRegion</code>` parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state."*/
```

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "presignedUrl",
  "variableType" : "String",
  "documentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `<code>PresignedUrl</code>` should use the snapshot source endpoint, the `<code>CopySnapshot</code>` action, and include the `<code>SourceRegion</code>`, `<code>SourceSnapshotId</code>`, and `<code>DestinationRegion</code>` parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state."*/
```

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "presignedUrl",
  "variableType" : "String",
  "documentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `<code>PresignedUrl</code>` should use the snapshot source endpoint, the `<code>CopySnapshot</code>` action, and include the `<code>SourceRegion</code>`, `<code>SourceSnapshotId</code>`, and `<code>DestinationRegion</code>` parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state."*/
```

```
whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```java
/**
 * Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @param encrypted Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public void setEncrypted(boolean encrypted) {
    this.encrypted = encrypted;
}
```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when
creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter
is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace,
followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace,
and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a
<code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

"enumType" : null,
"fluentSetterDocumentation" : "/**\nsThe full ARN of the AWS Key Management Service (AWS KMS) CMK
to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if
this parameter is not specified, the default CMK for EBS is used. The ARN contains the
<code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK
owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.
\*/",
"fluentSetterMethodName" : "withKmsKeyId",
"getterDocumentation" : "/**\nsThe full ARN of the AWS Key Management Service (AWS KMS) CMK
to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this
parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace,
followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace,
class AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.
\n@return Returns a reference to this object so that method calls can
be chained together.*\n",
"getterMethodName" : "getKmsKeyId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "KmsKeyId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "kmsKeyId",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"name": "KmsKeyId",
"setterDocumentation": "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to
use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this
parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code>
namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code>
namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>.
The specified CMK must exist
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.</p>\n@param kmsKeyId The full ARN of the AWS Key
Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if
you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN
contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of
the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-
1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.*/
@param kmsKeyId The full ARN of the AWS Key
Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if
you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN
contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of
the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-
1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.*/",
"setterMethodName": "setKmsKeyId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "kmsKeyId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"vargSetterDocumentation": "/**<p>The full ARN of the AWS Key Management Service (AWS KMS)
CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default
CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the
<code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK
owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-
1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.*/
@param kmsKeyId The full ARN of the AWS Key
Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if
you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN
contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK
owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-
1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.*/
```
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

@return Returns a reference to this object so that method calls can be chained together. */

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "kmsKeyId",
        "variableType" : "String",
        "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
}]
"membersAsMap" : {
    "Description" : {
        "c2jName" : "Description",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "A description for the EBS snapshot.",
        "enumType" : null,
        "fluentSetterDocumentation" : "A description for the EBS snapshot.",
        "getterDocumentation" : "A description for the EBS snapshot.
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
```

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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the EBS snapshot.</p>
@param description A description for the EBS snapshot.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the EBS snapshot.</p>
@param description A description for the EBS snapshot.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the EBS snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"DestinationRegion" : {
  "c2jName" : "DestinationRegion",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The destination region to use in the <code>PresignedUrl</code> parameter of a
snapshot copy operation. This parameter is only valid for specifying the destination region in a
"
**PresignedUrl** parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> <note>"The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> <note>"The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> <note>"The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> <note>"The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> <note>"The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> <note>"The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> <note>"The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.

```java
/**
 * @param destinationRegion The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName" : "withDestinationRegion",

"getterDocumentation" : "The destination region to use in the **PresignedUrl** parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a **PresignedUrl** parameter, where it is required.

```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationRegion",
"setterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> </note>\n@<param destinationRegion The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDestinationRegion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "destinationRegion",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> </note>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "destinationRegion",
    "variableType" : "String",
    "documentation" : "",
    "<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> "}
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### Encrypted

Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with `KmsKeyId`.

You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with `KmsKeyId`. For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html).
Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
@param encrypted Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
@return Returns a reference to this object so that method calls can be chained together.*/

<variable>
  <variableDeclarationType>Boolean</variableDeclarationType>
  <variableName>encrypted</variableName>
  <variableType>Boolean</variableType>
  <documentation><p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
</documentation>
</variable>

<KmsKeyId>
  <c2jName>KmsKeyId</c2jName>
  <c2jShape>String</c2jShape>
  <deprecated>false</deprecated>
  <documentation><p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p></documentation>
</KmsKeyId>

<%* The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/

@n@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-
The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
null
```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
null
```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
null
```
parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>

```java
@JsonSetter
public void setKmsKeyId(String kmsKeyId) {
    // setter logic
}
```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```
public @param kmsKeyId

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.
```

```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.
```

```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>
```

```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>
```

```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>
```

```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>
```

```

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>
```

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The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PresignedUrl" : {
  "c2jName" : "PresignedUrl",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```
  "getterDocumentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```
  "getterDocumentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```
  "getterDocumentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```
  "getterDocumentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```
an optional parameter in all other cases. The `<code>PresignedUrl</code>` should use the snapshot source endpoint, the `<code>CopySnapshot</code>` action, and include the `<code>SourceRegion</code>`, `<code>SourceSnapshotId</code>`, and `<code>DestinationRegion</code>` parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in [Authenticating Requests by Using Query Parameters (AWS Signature Version 4)](http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html) in the *Amazon Simple Storage Service API Reference*. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state. */

**getterMethodName** : "getPresignedUrl",
**getterModel** : {
  "returnType" : "String",
  "documentation" : null
},

**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PresignedUrl",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "presignedUrl",
  "uri" : false
},

```
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "PresignedUrl",
  "setterDocumentation" : "/**p>The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `<code>PresignedUrl</code>` should use the snapshot source endpoint,
the &lt;code&gt;CopySnapshot&lt;/code&gt; action, and include the &lt;code&gt;SourceRegion&lt;/code&gt;, &lt;code&gt;SourceSnapshotId&lt;/code&gt;, and &lt;code&gt;DestinationRegion&lt;/code&gt; parameters. The &lt;code&gt;PresignedUrl&lt;/code&gt; must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in &lt;a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html"&gt;Authenticating Requests by Using Query Parameters (AWS Signature Version 4)&lt;/a&gt; in the &lt;i&gt;Amazon Simple Storage Service API Reference&lt;/i&gt;. An invalid or improperly signed &lt;code&gt;PresignedUrl&lt;/code&gt; will cause the copy operation to fail asynchronously, and the snapshot will move to an &lt;code&gt;error&lt;/code&gt; state.&lt;/p&gt;&lt;param&gt;presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The &lt;code&gt;PresignedUrl&lt;/code&gt; should use the snapshot source endpoint, the &lt;code&gt;CopySnapshot&lt;/code&gt; action, and include the &lt;code&gt;SourceRegion&lt;/code&gt;, &lt;code&gt;SourceSnapshotId&lt;/code&gt;, and &lt;code&gt;DestinationRegion&lt;/code&gt; parameters. The &lt;code&gt;PresignedUrl&lt;/code&gt; must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in &lt;a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html"&gt;Authenticating Requests by Using Query Parameters (AWS Signature Version 4)&lt;/a&gt; in the &lt;i&gt;Amazon Simple Storage Service API Reference&lt;/i&gt;. An invalid or improperly signed &lt;code&gt;PresignedUrl&lt;/code&gt; will cause the copy operation to fail asynchronously, and the snapshot will move to an &lt;code&gt;error&lt;/code&gt; state.&lt;/p&gt;&lt;param&gt;presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The &lt;code&gt;PresignedUrl&lt;/code&gt; should use the snapshot source endpoint, the &lt;code&gt;CopySnapshot&lt;/code&gt; action, and include the &lt;code&gt;SourceRegion&lt;/code&gt;, &lt;code&gt;SourceSnapshotId&lt;/code&gt;, and &lt;code&gt;DestinationRegion&lt;/code&gt; parameters. The &lt;code&gt;PresignedUrl&lt;/code&gt; must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in &lt;a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html"&gt;Authenticating Requests by Using Query Parameters (AWS Signature Version 4)&lt;/a&gt; in the &lt;i&gt;Amazon Simple Storage Service API Reference&lt;/i&gt;. An invalid or improperly signed &lt;code&gt;PresignedUrl&lt;/code&gt; will cause the copy operation to
fail asynchronously, and the snapshot will move to an `<code>error</code>` state.

```java
public void copySnapshots()
{
    // Method implementation...
}
```

The parameter `PresignedUrl` is a pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `<code>PresignedUrl</code>` should be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic as described in the [Authenticating Requests by Using Query Parameters (AWS Signature Version 4)](http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html). An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state.
"marshallLocationName" : "SourceRegion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceRegion",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceRegion",
"setterDocumentation" : "/*<p>The ID of the region that contains the snapshot to be copied.</p>*/",
"setterMethodName" : "setSourceRegion",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sourceRegion",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the region that contains the snapshot to be copied.</p>*/",
"varargSetterMethodName" : "withSourceRegion",
"getterDocumentation" : "/*<p>The ID of the region that contains the snapshot to be copied.</p>*/",
"getterMethodName" : "getSourceRegion",
"getterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sourceRegion",
"variableType" : "String",
"documentation" : "<p>The ID of the region that contains the snapshot to be copied.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SourceSnapshotId" : {
"c2jName" : "SourceSnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS snapshot to copy.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the EBS snapshot to copy.</p>*/",
"fluentSetterMethodName" : "withSourceSnapshotId",
"getterDocumentation" : "/*<p>The ID of the EBS snapshot to copy.</p>*/",
"getterMethodName" : "getSourceSnapshotId",
"getterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSnapshotId",
"variableType" : "String",
"documentation" : "<p>The ID of the EBS snapshot to copy.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
snapshot to copy. */
getterMethodId" : "getSourceSnapshotId",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceSnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceSnapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSnapshotId",
"setterDocumentation" : "\n\n@param sourceSnapshotId The ID of the EBS snapshot to copy.\n@return Returns a reference to this object so that method calls can be chained
together. */",
"setterMethodId" : "setSourceSnapshotId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSnapshotId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "",
"simpleSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\n\n@param sourceSnapshotId The ID of the EBS snapshot to copy.
\n@return Returns a reference to this object so that method calls can be chained
together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSnapshotId",
"variableType" : "String",
"documentation" : "\nThe ID of the EBS snapshot to copy.\n\n@return Returns a reference to this object so that method calls can be chained
together. */",
"simpleType" : "String"}
"variableSetterType" : "String",
],
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SourceRegion", "SourceSnapshotId" ],
"shapeName" : "CopySnapshotRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CopySnapshotRequest",
"variableName" : "copySnapshotRequest",
"variableType" : "CopySnapshotRequest",
"documentation" : null,
"simpleType" : "CopySnapshotRequest",
"variableSetterType" : "CopySnapshotRequest"
},
"wrapper" : false
},
"CopySnapshotResult" : {
"c2jName" : "CopySnapshotResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CopySnapshot.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new snapshot.</p>
\n@param snapshotId The ID of the new snapshot.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the new snapshot.</p>
\n@return The ID of the new snapshot.
\n*/",
"getterMethodName" : "getSnapshotId",
"variable" : {
"variableDeclarationType" : "CopySnapshotRequest",
"variableName" : "copySnapshotRequest",
"variableType" : "CopySnapshotRequest",
"documentation" : null,
"simpleType" : "CopySnapshotRequest",
"variableSetterType" : "CopySnapshotRequest"
},
"wrapper" : false
},
"CopySnapshotResult" : {
"c2jName" : "CopySnapshotResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of CopySnapshot.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new snapshot.</p>
\n@param snapshotId The ID of the new snapshot.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the new snapshot.</p>
\n@return The ID of the new snapshot.
\n*/",
"getterMethodName" : "getSnapshotId",
"xmlNameSpaceUri" : null
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"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "SnapshotId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "snapshotId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the new snapshot.</p>
@param snapshotId The ID of the new snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
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    "variableName" : "snapshotId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>The ID of the new snapshot.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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    "variableName" : "snapshotId",
    "variableType" : "String",
    "documentation" : "The ID of the new snapshot.
    @param snapshotId The ID of the new snapshot.
    @return Returns a reference to this object so that method calls can be chained together."/
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"xmlNameSpaceUri" : null
}.
]
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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    "resultWrapper" : null
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"variable" : {
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    "variableName" : "copySnapshotResult",
    "variableType" : "CopySnapshotResult",
    "documentation" : null,
    "simpleType" : "CopySnapshotResult",
    "variableSetterType" : "CopySnapshotResult"
},
"wrapper" : false
],
"CreateCustomerGatewayRequest" : {
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    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Contains the parameters for CreateCustomerGateway.
    @param snapshotId The ID of the new snapshot.
    @return Returns a reference to this object so that method calls can be chained together."/
},
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "Type",
  "c2jShape" : "GatewayType",
  "deprecated" : false,
  "documentation" : "<p>The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).</p>",
  "enumType" : "GatewayType",
  "fluentSetterDocumentation" : "/**<p>The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).</p>
  @param type The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see GatewayType*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**<p>The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).</p>
  @return The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).\n  @see GatewayType*/",
  "getterMethodName" : "getType",
  "getterModel" : {
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    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "Type",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel": null,
"name": "Type",
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"setterMethodName": "setType",
"setterModel": {
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  "variableName": "type",
  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The type of VPN connection that this customer gateway supports</p>
@code\n@type The type of VPN connection that this customer gateway supports\n@endcode\n@see GatewayType*/",
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  "variableName": "type",
  "variableType": "String",
  "documentation": "<p>The type of VPN connection that this customer gateway supports</p>\n@code\n@endcode",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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{ "c2jName": "PublicIp",
 "c2jShape": "String",
 "deprecated": false,
 "documentation": "<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n@code\n@endcode",
 "enumType": null,
 "fluentSetterDocumentation": "/** <p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>
@code\n@endcode\n@see PublicIp*/",
 "fluentSetterMethodName": "withPublicIp",
 "getterDocumentation": "/** <p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>
@endcode\n@see PublicIp*/",
 "getterMethodName": "getPublicIp",
 "getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "isStreaming": false,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "IpAddress",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n@param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.*/",
"setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n@param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri" : null,
}, {
"c2jName" : "BgpAsn",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "For devices that support BGP, the customer gateway's BGP ASN.
Default: 65000",
"enumType" : null,
"fluentSetterDocumentation" : "For devices that support BGP, the customer gateway's BGP ASN.
Default: 65000
@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withBgpAsn",
"getterDocumentation" : "For devices that support BGP, the customer gateway's BGP ASN.
Default: 65000
@return For devices that support BGP, the customer gateway's BGP ASN.
*/",
"getterMethodName" : "getBgpAsn",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BgpAsn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BgpAsn",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BgpAsn",
"setterDocumentation" : "For devices that support BGP, the customer gateway's BGP ASN.
Default: 65000
@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.
@return For devices that support BGP, the customer gateway's BGP ASN.
*/",
"setterMethodName" : "setBgpAsn",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "bgpAsn",
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"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nFor devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000\n\n@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "bgpAsn",
"variableType" : "Integer",
"documentation" : "For devices that support BGP, the customer gateway's BGP ASN.

Default: 65000
\n@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "For devices that support BGP, the customer gateway's BGP ASN.

Default: 65000\n\n@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "*/**\nFor devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000\n\n@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBgpAsn",
"getterDocumentation" : "*/**\nFor devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000\n\n@return For devices that support BGP, the customer gateway's BGP ASN.
\nDefault: 65000*/",
"getterMethodName" : "getBgpAsn",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"is Payload" : false,
"is Streaming" : false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "BgpAsn",
"uri": false
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"idempotencyToken": false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "BgpAsn",
"setterDocumentation": "/**<p>For devices that support BGP, the customer gateway's BGP ASN.</p><p>Default: 65000</p>@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.</p><p>Default: 65000*/",
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"setterModel": {
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"variableName": "bgpAsn",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"simple": true,
"varargSetterDocumentation": "/**<p>For devices that support BGP, the customer gateway's BGP ASN.</p><p>Default: 65000</p>@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.</p><p>Default: 65000\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType": "Integer",
"variableName": "bgpAsn",
"variableType": "Integer",
"documentation": "<p>For devices that support BGP, the customer gateway's BGP ASN.</p><p>Default: 65000</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"xmlNameSpaceUri": null
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"PublicIp": {
"c2jName": "PublicIp",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>",
"enumType": null,
"fluentSetterDocumentation": "<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>"}
interface. The address must be static.

```java
@javax.annotation.Parameters("publicIp")
public IpAddress getPublicIp() {
    return ...;
}
```

The address must be static.

```java
@javax.annotation.Parameters("publicIp")
public void setPublicIp(String ipAddress) {
    ...;
}
```

The address must be static.
gateway's outside interface. The address must be static.

```java
publicIp
```

get

set

Returns a reference to this object so that method calls can be chained together.

```java
public String publicIp(
```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**<p>The type of VPN connection that this customer gateway supports
(<code>ipsec.1</code>).\n@param type The type of VPN connection that this customer gateway supports
(<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained
together.\n@see GatewayType*/",
"setterMethodName" : "setType",
"setterModel" : {
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    "variableName" : "type",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of VPN connection that this customer gateway supports
(<code>ipsec.1</code>).\n@param type The type of VPN connection that this customer gateway supports
(<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained
together.\n@see GatewayType*/",
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    "variableName" : "type",
    "variableType" : "String",
    "documentation" : "<p>The type of VPN connection that this customer gateway supports
(<code>ipsec.1</code>).\n",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Type", "PublicIp", "BgpAsn" ],
"shapeName" : "CreateCustomerGatewayRequest",
"unmarshaller" : null,
"variable" : {
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    "variableName" : "createCustomerGatewayRequest",
    "variableType" : "CreateCustomerGatewayRequest",
    "documentation" : null,
    "simpleType" : "CreateCustomerGatewayRequest",
    "variableSetterType" : "CreateCustomerGatewayRequest"
}.
"wrapper": false
},
"CreateCustomerGatewayResult": {
"c2jName": "CreateCustomerGatewayResult",
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": ":p>Contains the output of CreateCustomerGateway.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
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    "c2jName": "CustomerGateway",
    "c2jShape": "CustomerGateway",
    "deprecated": false,
    "documentation": ":p>Information about the customer gateway.</p>",
    "enumType": null,
    "fluentSetterDocumentation": ":**\<p>Information about the customer gateway.</p>\n@param customerGateway Information about the customer gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withCustomerGateway",
    "getterDocumentation": ":**\<p>Information about the customer gateway.</p>\n@return Information about the customer gateway.*/",
    "getterMethodName": "getCustomerGateway",
    "getterModel": {
      "returnType": "CustomerGateway",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "CustomerGateway",
      "queryString": false,
      "statusCode": false,
      "wrapper": false,
    }
  }
}
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"unmarshallLocationName" : "customerGateway",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGateway",
"setterDocumentation" : "/**<p>Information about the customer gateway.</p>
@param customerGateway Information about the customer gateway.*/",
"setterMethodName" : "setCustomerGateway",
"setterModel" : {
  "variableDeclarationType" : "CustomerGateway",
  "variableName" : "customerGateway",
  "variableType" : "CustomerGateway",
  "documentation" : "",
  "simpleType" : "CustomerGateway",
  "variableSetterType" : "CustomerGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the customer gateway.</p>
@param customerGateway Information about the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "customerGateway",
  "variableType" : "CustomerGateway",
  "documentation" : "<p>Information about the customer gateway.</p>",
  "simpleType" : "CustomerGateway",
  "variableSetterType" : "CustomerGateway"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "CustomerGateway" : {
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    "c2jShape" : "CustomerGateway",
    "deprecated" : false,
    "documentation" : "<p>Information about the customer gateway. */",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the customer gateway.</p>
@param customerGateway Information about the customer gateway. @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withCustomerGateway",
    "getterDocumentation" : "/**<p>Information about the customer gateway. */",
    "getterMethodName" : "getCustomerGateway",
    "setterDocumentation" : "/**<p>Information about the customer gateway. */",
    "setterMethodName" : "setCustomerGateway",
    "setterModel" : {
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      "variableName" : "customerGateway",
      "variableType" : "CustomerGateway",
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      "simpleType" : "CustomerGateway",
      "variableSetterType" : "CustomerGateway"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>Information about the customer gateway. */",
    "variable" : {
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      "variableName" : "customerGateway",
      "variableType" : "CustomerGateway",
      "documentation" : "<p>Information about the customer gateway.</p>",
      "simpleType" : "CustomerGateway",
      "variableSetterType" : "CustomerGateway"
    },
    "xmlNameSpaceUri" : null
  }
}];
"getterModel" : {
  "returnType" : "CustomerGateway",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGateway",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "customerGateway",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGateway",
"setterDocumentation" : "/**
\n@param customerGateway Information about the customer gateway.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCustomerGateway",
"setterModel" : {
  "variableDeclarationType" : "CustomerGateway",
  "variableName" : "customerGateway",
  "variableType" : "CustomerGateway",
  "documentation" : "",
  "simpleType" : "CustomerGateway",
  "variableSetterType" : "CustomerGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**
\n@param customerGateway Information about the customer gateway.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "CustomerGateway",
  "variableName" : "customerGateway",
  "variableType" : "CustomerGateway",
  "documentation" : "<p>Information about the customer gateway.</p>",
  "simpleType" : "CustomerGateway",
  "variableSetterType" : "CustomerGateway"
},
"setterDocumentation" : "/**
\n@param customerGateway Information about the customer gateway.
\n@returns Returns a reference to this object so that method calls can be chained together.*/"}
"deprecated" : false,
"documentation" : "<p>A DHCP configuration option.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A DHCP configuration option.</p>
@returns A DHCP configuration option.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withDhcpConfigurations",
"getterDocumentation" : "/**<p>A DHCP configuration option.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getDhcpConfigurations",
"getterModel" : {
  "returnType" : "java.util.List<DhcpConfiguration>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpConfiguration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dhcpConfiguration",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "DhcpConfiguration",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns member\n@returns Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "DhcpConfiguration",
      "documentation" : null
    }
  }
}
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType" : "java.util.List<DhcpConfiguration>"}

"map" : false,
"mapModel" : null,
"name" : "DhcpConfigurations",
"setterDocumentation" : "/**<p>A DHCP configuration option.\n@param dhcpConfigurations A DHCP configuration option.*/",
"setterMethodName" : "setDhcpConfigurations",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "",
"simpleType" : "List<DhcpConfiguration>",
"variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A DHCP configuration option.\n\n@NOTE: This method appends the values to the existing list (if any). Use {@link #setDhcpConfigurations(java.util.Collection)} or {@link #withDhcpConfigurations(java.util.Collection)} if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "<p>A DHCP configuration option.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"DhcpConfigurations" : {
"c2jName" : "DhcpConfigurations",
"c2jShape" : "NewDhcpConfigurationList",
"deprecated" : false,
"documentation" : "<p>A DHCP configuration option.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "<p>A DHCP configuration option.\n\n@return Returns a reference to this object so that method calls can be chained together.*/"}}
together. */

"getterMethodName" : "getDhcpConfigurations",
"getterModel" : {
  "returnType" : "java.util.List<DhcpConfiguration>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpConfiguration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dhcpConfiguration",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "DhcpConfiguration",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n    \n    * \n    * @param member \n    * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n    \n    * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "DhcpConfiguration",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "DhcpConfiguration",
    "variableName" : "member",
    "variableType" : "DhcpConfiguration",
    "documentation" : "",
    "simpleType" : "DhcpConfiguration",
    "variableSetterType" : "DhcpConfiguration"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "DhcpConfiguration",
    "variableName" : "member",
    "variableType" : "DhcpConfiguration",
    "documentation" : "",
    "simpleType" : "DhcpConfiguration",
    "variableSetterType" : "DhcpConfiguration"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "DhcpConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType" : "java.util.List<DhcpConfiguration>",
}
,"map" : false,
"mapModel" : null,
"name" : "DhcpConfigurations",
"setterDocumentation" : "/**<p>A DHCP configuration option.</p>
@param dhcpConfigurations A DHCP configuration option.*/",
"setterMethodName" : "setDhcpConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : "",
  "simpleType" : "List<DhcpConfiguration>",
  "variableSetterType" : "java.util.Collection<DhcpConfiguration>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A DHCP configuration option.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDhcpConfigurations(java.util.Collection)} or {@link #withDhcpConfigurations(java.util.Collection)} if you want to override the existing values.</p>
@param dhcpConfigurations A DHCP configuration option.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : "<p>A DHCP configuration option.</p>
  "simpleType" : "List<DhcpConfiguration>",
  "variableSetterType" : "java.util.Collection<DhcpConfiguration>",
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DhcpConfigurations" ],
"shapeName" : "CreateDhcpOptionsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateDhcpOptionsRequest",
  "variableName" : "createDhcpOptionsRequest",
  "variableType" : "CreateDhcpOptionsRequest",
  "documentation" : null,
  "simpleType" : "CreateDhcpOptionsRequest",
  "variableSetterType" : "CreateDhcpOptionsRequest",
}.
"wrapper" : false,
"CreateDhcpOptionsResult" : {
"c2jName" : "CreateDhcpOptionsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateDhcpOptions.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "DhcpOptions",
"c2jShape" : "DhcpOptions",
"deprecated" : false,
"documentation" : "<p>A set of DHCP options.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpOptions",
"getterDocumentation" : "/**<p>A set of DHCP options.</p>\n@return A set of DHCP options.</p>*/",
"getterMethodName" : "getDhcpOptions",
"getterModel" : {
"returnType" : "DhcpOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dhcpOptions",
"uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptions",
"setterDocumentation" : "/**\n<p>A set of DHCP options.</p>\n@param dhcpOptions A set of DHCP options.*/",
"setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "dhcpOptions",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>A set of DHCP options.</p>\n@param dhcpOptions A set of DHCP options.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "dhcpOptions",
  "variableType" : "DhcpOptions",
  "documentation" : "<p>A set of DHCP options.</p>",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},
"xmlnsSpaceUri" : null
},
"membersAsMap" : {
  "DhcpOptions" : {
    "c2jName" : "DhcpOptions",
    "c2jShape" : "DhcpOptions",
    "deprecated" : false,
    "documentation" : "<p>A set of DHCP options.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>A set of DHCP options.</p>\n@param dhcpOptions A set of DHCP options.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDhcpOptions",
    "getterDocumentation" : "/**\n<p>A set of DHCP options.</p>\n@return A set of DHCP options.*/",
    "getterMethodName" : "getDhcpOptions",
    "getterModel" : {
      "returnType" : "DhcpOptions",
      "documentation" : null
    },
    "http" : {
      "idempotencyToken" : false,
      "list" : false,
      "listModel" : null,
      "map" : false,
      "mapModel" : null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dhcpOptions",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptions",
"setterDocumentation" : "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options.</param
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "dhcpOptions",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options.</param
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "dhcpOptions",
  "variableType" : "DhcpOptions",
  "documentation" : "<p>A set of DHCP options.</p",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},
"xmlNameSpaceUri" : null
}
"shapeName" : "CreateDhcpOptionsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateDhcpOptionsResult",
  "variableName" : "createDhcpOptionsResult",
  "variableType" : "CreateDhcpOptionsResult",
  "documentation" : null,
  "simpleType" : "CreateDhcpOptionsResult",
  "variableSetterType" : "CreateDhcpOptionsResult"
},
"wrapper" : false
],
"CreateEgressOnlyInternetGatewayRequest" : {
  "c2jName" : "CreateEgressOnlyInternetGatewayRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateEgressOnlyInternetGateway",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The ID of the VPC for which to create the egress-only Internet gateway.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*&lt;p&gt;The ID of the VPC for which to create the egress-only Internet gateway.&lt;/p&gt;\n@<param> vpcId The ID of the VPC for which to create the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "metadata" : {
      "commentedIn" : null,
      "expectedType" : null,
      "name" : null,
      "originalType" : null,
      "shapeName" : null,
      "unmarshallers" : null
    }
  }
}
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet
gateway.</p>\n*@return The ID of the VPC for which to create the egress-only Internet gateway.*\*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet
gateway.</p>\n*@param vpcId The ID of the VPC for which to create the egress-only Internet gateway.*\*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet
gateway.</p>\n*@param vpcId The ID of the VPC for which to create the egress-only Internet gateway.\n*@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String"}
The ID of the VPC for which to create the egress-only Internet gateway.

For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

Unique, case-sensitive identifier you provide to ensure the idempotency of the request.

For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

Returns a reference to this object so that method calls can be chained together.

Unique, case-sensitive identifier you provide to ensure the idempotency of the request.

For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

Returns Unique, case-sensitive identifier you provide to ensure the idempotency of the request.

For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

A reference to this object so that method calls can be chained together.

Unique, case-sensitive identifier you provide to ensure the idempotency of the request.

For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

A reference to this object so that method calls can be chained together.
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": /**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setClientToken",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "clientToken",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": /**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
   "variableDeclarationType": "String",
   "variableName": "clientToken",
   "variableType": "String",
   "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
   "simpleType": "String",
   "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
   "ClientToken": {
   "c2jName": "ClientToken",
   "c2jShape": "String",
   "idempotencyToken": false,
   "list": false,
   "listModel": null,
   "map": false,
   "mapModel": null,
   "name": "ClientToken",
   "setterDocumentation": /**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
   "setterMethodName": "setClientToken",
   "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "clientToken",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
      "variableSetterType": "String"
   },
   "simple": true,
   "varargSetterDocumentation": /**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
   "variable": {
      "variableDeclarationType": "String",
      "variableName": "clientToken",
      "variableType": "String",
      "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
      "simpleType": "String",
      "variableSetterType": "String"
   },
   "xmlNameSpaceUri": null
}]}
request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

```javascript
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

@return Returns a reference to this object so that method calls can be chained together.

```
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "CreateEgressOnlyInternetGatewayRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateEgressOnlyInternetGatewayRequest",
  "variableName" : "createEgressOnlyInternetGatewayRequest",
  "variableType" : "CreateEgressOnlyInternetGatewayRequest",
  "documentation" : null,
  "simpleType" : "CreateEgressOnlyInternetGatewayRequest",
  "variableSetterType" : "CreateEgressOnlyInternetGatewayRequest"
},
"wrapper" : false
},
"CreateEgressOnlyInternetGatewayResult" : {
  "c2jName" : "CreateEgressOnlyInternetGatewayResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "EgressOnlyInternetGateway",
    "c2jShape" : "EgressOnlyInternetGateway",
    "deprecated" : false,
    "documentation" : "<p>Information about the egress-only Internet gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param egressOnlyInternetGateway Information about the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**\nInformation about the egress-only Internet gateway.\n*/",
    "required" : false,
    "variableDeclarationType" : "EgressOnlyInternetGateway",
    "variableName" : "egressOnlyInternetGateway",
    "variableType" : "EgressOnlyInternetGateway",
    "variableSetterType" : "EgressOnlyInternetGateway"
  }
],
"wrapper" : false
}
"getterMethodName" : "getEgressOnlyInternetGateway",
"getterModel" : {
  "returnType" : "EgressOnlyInternetGateway",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EgressOnlyInternetGateway",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "egressOnlyInternetGateway",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGateway",
"setterDocumentation" : "/**\n@param egressOnlyInternetGateway Information about the egress-only Internet gateway.*/",
"setterMethodName" : "setEgressOnlyInternetGateway",
"setterModel" : {
  "variableDeclarationType" : "EgressOnlyInternetGateway",
  "variableName" : "egressOnlyInternetGateway",
  "variableType" : "EgressOnlyInternetGateway",
  "documentation" : "",
  "simpleType" : "EgressOnlyInternetGateway",
  "variableSetterType" : "EgressOnlyInternetGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param egressOnlyInternetGateway Information about the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "EgressOnlyInternetGateway",
  "variableName" : "egressOnlyInternetGateway",
  "variableType" : "EgressOnlyInternetGateway",
  "documentation" : "\nInformation about the egress-only Internet gateway.\n",
  "simpleType" : "EgressOnlyInternetGateway",
  "variableSetterType" : "EgressOnlyInternetGateway"
"variableType" : "String",
"documentation" : "",
"simpleType" : "",
"variableSetterType" : "String",
}
,"simple" : true,
"varargSetterDocumentation" : "/**
\* <p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
\@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.
\@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
 "ClientToken" : {
 "c2jName" : "ClientToken",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
\* <p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
\@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.
\@return Returns a reference to this object so that method calls can be chained together. */",
 "fluentSetterMethodName" : "withClientToken",
 "getterDocumentation" : "/**
\* <p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
\@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. */",
 "getterMethodName" : "getClientToken",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<br/>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<br/>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<br/>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EgressOnlyInternetGateway" : {
"c2jName" : "EgressOnlyInternetGateway",
"c2jShape" : "EgressOnlyInternetGateway",
"deprecated" : false,
"documentation" : "Information about the egress-only Internet gateway.<br/>
",
"enumType" : null,
"fluentSetterDocumentation" : "Information about the egress-only Internet gateway.<br/>
@n@param
egressOnlyInternetGateway Information about the egress-only Internet gateway.

@return Returns a reference to this object so that method calls can be chained together.*\*/

"fluentSetterMethodName" : "withEgressOnlyInternetGateway",
"getterDocumentation" : "/**\p>Information about the egress-only Internet gateway.</p>\n@return Information about the egress-only Internet gateway.*\*/",
"getterMethodName" : "getEgressOnlyInternetGateway",
"getterModel" : {
"returnType" : "EgressOnlyInternetGateway",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGateway",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGateway",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGateway",
"setterDocumentation" : "/**\p>Information about the egress-only Internet gateway.</p>\n@param egressOnlyInternetGateway Information about the egress-only Internet gateway.*\*/",
"setterMethodName" : "setEgressOnlyInternetGateway",
"setterModel" : {
"variableDeclarationType" : "EgressOnlyInternetGateway",
"variableName" : "egressOnlyInternetGateway",
"variableType" : "EgressOnlyInternetGateway",
"documentation" : "",
"simpleType" : "EgressOnlyInternetGateway",
"variableSetterType" : "EgressOnlyInternetGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**\p>Information about the egress-only Internet gateway.</p>\n@param egressOnlyInternetGateway Information about the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "EgressOnlyInternetGateway",
"variableName" : "egressOnlyInternetGateway",
"variableType" : "EgressOnlyInternetGateway",
"documentation" : "",n"simpleType" : "EgressOnlyInternetGateway",
"variableSetterType" : "EgressOnlyInternetGateway"}
"variableName" : "egressOnlyInternetGateway",
"variableType" : "EgressOnlyInternetGateway",
"documentation" : "<p>Information about the egress-only Internet gateway.</p>",
"simpleType" : "EgressOnlyInternetGateway",
"variableSetterType" : "EgressOnlyInternetGateway"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CreateEgressOnlyInternetGatewayResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CreateEgressOnlyInternetGatewayResult",
"variableName" : "createEgressOnlyInternetGatewayResult",
"variableType" : "CreateEgressOnlyInternetGatewayResult",
"documentation" : null,
"simpleType" : "CreateEgressOnlyInternetGatewayResult",
"variableSetterType" : "CreateEgressOnlyInternetGatewayResult"
}
"wrapper" : false
},
"CreateFlowLogsRequest" : {
"c2jName" : "CreateFlowLogsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateFlowLogs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CreateFlowLogs",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {
  "c2jName": "ResourceIds",
  "c2jShape": "ValueStringList",
  "deprecated": false,
  "documentation": "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>" ,
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withResourceIds",
  "getterDocumentation": "/**<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>\n@return One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources*/",
  "getterMethodName": "getResourceIds",
  "getterModel": { 
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": { 
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ResourceId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ResourceId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": { 
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": [ 
      "c2jName": "member",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": ""
    ]
  }
}
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together */",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"variableSetterType": "String"
"documentation" : ",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
}
},
"map" : false,
"mapModel" : null,
"name" : "ResourceIds",
"setterDocumentation" : "/**<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>@param resourceIds One or more subnet, network interface, or VPC IDs.</p><p>Constraints: Maximum of 1000 resources*/",
"setterMethodName" : "setResourceIds",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>
}
},
"map" : false,
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>


"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>


"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>


"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>


"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>


"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>


"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "resourceIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>"},
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
"c2jName" : "ResourceType",
"c2jShape" : "FlowLogsResourceType",
"deprecated" : false,
"documentation" : "The type of resource on which to create the flow log."
"enumType" : "FlowLogsResourceType",
"fluentSetterDocumentation" : "The type of resource on which to create the flow log.

@see FlowLogsResourceType*/",
"fluentSetterMethodName" : "withResourceType",
"getterDocumentation" : "The type of resource on which to create the flow log.

@see FlowLogsResourceType*/",
"getterMethodName" : "getResourceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ResourceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceType",
"setterDocumentation" : "The type of resource on which to create the flow log.

@see FlowLogsResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : ""
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>The type of resource on which to create the flow log.</p>
@param resourceType The type of resource on which to create the flow log.
@return Returns a reference to this object so that method calls can be chained together.
@see FlowLogsResourceType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "resourceType",
"variableType" : "String",
"documentation" : "The type of resource on which to create the flow log.";
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TrafficType",
"c2jShape" : "TrafficType",
"deprecated" : false,
"documentation" : "The type of traffic to log.
@param trafficType The type of traffic to log.
@return Returns a reference to this object so that method calls can be chained together.
@see TrafficType*/",
"fluentSetterMethodName" : "withTrafficType",
"getterDocumentation" : /**<p>The type of traffic to log.</p>
@return The type of traffic to log.
@see TrafficType*/",
"getterMethodName" : "getTrafficType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TrafficType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TrafficType",
"uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TrafficType",
"setterDocumentation" : "/**<p>The type of traffic to log.\n@param trafficType The type of traffic to log.\n@see TrafficType*/",
"setterMethodName" : "setTrafficType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of traffic to log.\n@param trafficType The type of traffic to log.\n@return Returns a reference to this object so that method calls can be chained together.\n@see TrafficType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "<p>The type of traffic to log.\n<br>"n@varargSetterDocumentation" : "/**<p>The name of the CloudWatch log group.\n@return Returns a reference to this object so that method calls can be chained together.\n@see LogGroupName*/",
"getterDocumentation" : "/**<p>The name of the CloudWatch log group.\n@return The name of the CloudWatch log group.\n@see LogGroupName*/",
"getterMethodName" : "getLogGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : "null"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LogGroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogGroupName",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LogGroupName",
"setterDocumentation" : "/**<p>The name of the CloudWatch log group.</p>
@param logGroupName The name of the CloudWatch log group.*/",
"setterMethodName" : "setLogGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "logGroupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the CloudWatch log group.</p>
@param logGroupName The name of the CloudWatch log group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "logGroupName",
  "variableType" : "String",
  "documentation" : "<p>The name of the CloudWatch log group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "DeliverLogsPermissionArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
@returns Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withDeliverLogsPermissionArn",
"getterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@return The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>*/",
"getterMethodName" : "getDeliverLogsPermissionArn",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeliverLogsPermissionArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeliverLogsPermissionArn",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsPermissionArn",
"setterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>*/",
"setterMethodName" : "setDeliverLogsPermissionArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "deliverLogsPermissionArn",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple": true,
"varargSetterDocumentation": /**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.\n@returns A reference to this object so that method calls can be chained together.*/"*/
"variable": {
  "variableDeclarationType": "String",
  "variableName": "deliverLogsPermissionArn",
  "variableType": "String",
  "documentation": "<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.\n</p>\n@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "ClientToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType": null,
"fluentSetterDocumentation": "/*<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withClientToken",
"getterDocumentation": "/*<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>\n@returns Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>"*/",
"getterMethodName": "getClientToken",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a></p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a></p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

"flattened" : false,
"greedy" : false,

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
"ClientToken" : {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency</a>.<p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency</a>.\n@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency</a>.\n@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DeliverLogsPermissionArn" : {
"c2jName" : "DeliverLogsPermissionArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeliverLogsPermissionArn",
"getterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@return The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.*/",
"getterMethodName" : "getDeliverLogsPermissionArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeliverLogsPermissionArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DeliverLogsPermissionArn",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsPermissionArn",
"setterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeliverLogsPermissionArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsPermissionArn",
  "variableType" : "String",
  "variableUsageType" : "Optional"}
**Documentation**

The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.

```java
@Param deliverLogsPermissionArn
```

The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.

```java
@Return
```

Returns a reference to this object so that method calls can be chained together.

```java
public class DeliverLogsPermissionArn {
    private String deliverLogsPermissionArn;

    public DeliverLogsPermissionArn withDeliverLogsPermissionArn(String deliverLogsPermissionArn) {
        this.deliverLogsPermissionArn = deliverLogsPermissionArn;
        return this;
    }

    public String getDeliverLogsPermissionArn() {
        return deliverLogsPermissionArn;
    }
}
```

**FluentSetter Documentation**

The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.

```java
public class DeliverLogsPermissionArn {
    private String deliverLogsPermissionArn;

    public DeliverLogsPermissionArn withDeliverLogsPermissionArn(String deliverLogsPermissionArn) {
        this.deliverLogsPermissionArn = deliverLogsPermissionArn;
        return this;
    }

    public String getDeliverLogsPermissionArn() {
        return deliverLogsPermissionArn;
    }
}
```

**Getter Documentation**

The name of the CloudWatch log group.

```java
public class DeliverLogsPermissionArn {
    private String deliverLogsPermissionArn;

    public DeliverLogsPermissionArn withDeliverLogsPermissionArn(String deliverLogsPermissionArn) {
        this.deliverLogsPermissionArn = deliverLogsPermissionArn;
        return this;
    }

    public String getDeliverLogsPermissionArn() {
        return deliverLogsPermissionArn;
    }
}
```

**HTTP**

Additional Marshalling Path: null

Additional Unmarshalling Path: null

Flattened: false

Greedy: false

Header: false

Is Payload: false

Is Streaming: false

Location: null

marshallLocationName: "LogGroupName"

queryString: false
"statusCode" : false,
"unmarshallLocationName" : "LogGroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LogGroupName",
"setterDocumentation" : "/**<p>The name of the CloudWatch log group.</p>
@param logGroupName The name of the CloudWatch log group.*/",
"setterMethodName" : "setLogGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "logGroupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the CloudWatch log group.</p>
@param logGroupName The name of the CloudWatch log group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "logGroupName",
  "variableType" : "String",
  "documentation" : "<p>The name of the CloudWatch log group.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ResourceIdS" : {
  "c2jName" : "ResourceIdS",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more subnet, network interface, or VPC IDs.</p>
  <p>Constraints: Maximum of 1000 resources</p>*/",
  "fluentSetterMethodName" : "withResourceIdS",
  "getterDocumentation" : "/**<p>One or more subnet, network interface, or VPC IDs.</p>
  <p>Constraints: Maximum of 1000 resources</p>*/
  <p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "name" : "ResourceIdS",
  "setterDocumentation" : "/**<p>One or more subnet, network interface, or VPC IDs.</p>
  <p>Constraints: Maximum of 1000 resources</p>*/",
  "setterMethodName" : "setResourceIdS",
  "setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ResourceIdS",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more subnet, network interface, or VPC IDs.</p>
  <p>Constraints: Maximum of 1000 resources</p>*/
  <p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ResourceIdS",
  "variableType" : "String",
  "documentation" : "<p>One or more subnet, network interface, or VPC IDs.
  Constraints: Maximum of 1000 resources</p>*/",
  "xmlNameSpaceUri" : null
}
Maximum of 1000 resources</p><p>@return One or more subnet, network interface, or VPC IDs.</p>

Constraints: Maximum of 1000 resources*/

"getterMethodName" : "getResourceIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ResourceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResourceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "ResourceIds",
"setterDocumentation": "/**
 One or more subnet, network interface, or VPC IDs.

 Constraints: Maximum of 1000 resources
 */",
"setterMethodName": "setResourceIds",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
 "variableName": "resourceIds",
 "variableType": "java.util.List<String>",
 "documentation": "",
 "simpleType": "List<String>",
 "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**
 One or more subnet, network interface, or VPC IDs.

 Constraints: Maximum of 1000 resources

 NOTE: This method appends the values to
 the existing list (if any). Use
 @link #setResourceIds(java.util.Collection) or
 @link #withResourceIds(java.util.Collection) if you want to override the
 existing values.

 @param resourceIds One or more subnet, network interface, or VPC IDs.

 @return Returns a reference to this object so that method calls can be
 chained together. */",
"variable": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
 "variableName": "resourceIds",
 "variableType": "java.util.List<String>",
 "documentation": "One or more subnet, network interface, or VPC IDs.

 Constraints: Maximum of 1000 resources",
 "simpleType": "List<String>",
 "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"ResourceType": {
 "c2jName": "ResourceType",
 "c2jShape": "FlowLogsResourceType",
 "deprecated": false,
 "documentation": "The type of resource on which to create the flow log.

 @param resourceType The type of resource on which to create the flow log.

 @return Returns a reference to this object so that method calls can be
 chained together.
 @see FlowLogsResourceType*/",
 "getterMethodName": "getResourceType",
 "getterDocumentation": "The type of resource on which to create the flow log.

 @param resourceType The type of resource on which to create the flow log.

 @return Returns a reference to this object so that method calls can be
 chained together.
 @see FlowLogsResourceType*/"
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceType",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceType",
"setterDocumentation" : "/**\n * The type of resource on which to create the flow log.
 * @param resourceType The type of resource on which to create the flow log.
 * @see FlowLogsResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The type of resource on which to create the flow log.
 * @param resourceType The type of resource on which to create the flow log.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see FlowLogsResourceType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "<p>The type of resource on which to create the flow log.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"TrafficType" : {
  "c2jName" : "TrafficType",
  "c2jShape" : "TrafficType",
  "deprecated" : false,
  "documentation" : "<p>The type of traffic to log.</p>",
  "enumType" : "TrafficType",
  "fluentSetterDocumentation" : "/**<p>The type of traffic to log.</p><p>@param trafficType The type of traffic to log.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p><p>@see TrafficType*/",
  "fluentSetterMethodName" : "withTrafficType",
  "getterDocumentation" : "/**<p>The type of traffic to log.</p><p>@return The type of traffic to log.</p><p>@see TrafficType*/",
  "getterMethodName" : "getTrafficType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "statusCode" : false,
    "unmarshallLocationName" : "TrafficType",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "TrafficType",
  "setterDocumentation" : "/**<p>The type of traffic to log.</p><p>@param trafficType The type of traffic to log.</p><p>@see TrafficType*/",
  "setterMethodName" : "setTrafficType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "trafficType",
    "variableType" : "String",
    "documentation" : "",
"xmlNameSpaceUri" : null
},
"TrafficType" : {
  "c2jName" : "TrafficType",
  "c2jShape" : "TrafficType",
  "deprecated" : false,
  "documentation" : "<p>The type of traffic to log.</p>",
  "enumType" : "TrafficType",
  "fluentSetterDocumentation" : "/**<p>The type of traffic to log.</p><p>@param trafficType The type of traffic to log.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p><p>@see TrafficType*/",
  "fluentSetterMethodName" : "withTrafficType",
  "getterDocumentation" : "/**<p>The type of traffic to log.</p><p>@return The type of traffic to log.</p><p>@see TrafficType*/",
  "getterMethodName" : "getTrafficType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "TrafficType",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "TrafficType",
  "setterDocumentation" : "/**<p>The type of traffic to log.</p><p>@param trafficType The type of traffic to log.</p><p>@see TrafficType*/",
  "setterMethodName" : "setTrafficType",
  "setterModel" : {
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    "variableName" : "trafficType",
    "variableType" : "String",
    "documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The type of traffic to log.\n*@param trafficType The type of traffic to log.\n*@return Returns a reference to this object so that method calls can be chained together.\n*\n*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "trafficType",
"variableType" : "String",
"documentation" : "<p>The type of traffic to log.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ResourceIds", "ResourceType", "TrafficType", "LogGroupName", "DeliverLogsPermissionArn" ],
"shapeName" : "CreateFlowLogsRequest",
"unmarshaller" : null,
"variable" : {
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"variableType" : "CreateFlowLogsRequest",
"documentation" : null,
"simpleType" : "CreateFlowLogsRequest",
"variableSetterType" : "CreateFlowLogsRequest"
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"wrapper" : false
},
"CreateFlowLogsResult" : {
"c2jName" : "CreateFlowLogsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateFlowLogs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
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"hasStatusCodeMember" : false,
"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>The IDs of the flow logs.</p>
@param flowLogIds The IDs of the flow logs.*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the flow logs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFlowLogIds(java.util.Collection)} or {@link #withFlowLogIds(java.util.Collection)} if you want to override the existing values.</p>
@param flowLogIds The IDs of the flow logs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IDs of the flow logs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
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"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
"variableLocationName" : "item",
"variableType" : "String"
of the request.<p>@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>/*/

"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>/*/

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>/*/

"variable" : {

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"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemSet",
"deprecated" : false,
"documentation" : "<p>Information about the flow logs that could not be created successfully.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the flow logs that could not be created successfully.</p>
@param unsuccessful Information about the flow logs that could not be created successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "/**<p>Information about the flow logs that could not be created successfully.</p>
@return Information about the flow logs that could not be created successfully.*/",
"getterMethodName" : "getUnsuccessful",
"getterModel" : {
"returnType" : "java.util.List<UnsuccessfulItem>",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Unsuccessful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member"}
"c2jShape": "UnsuccessfulItem",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "UnsuccessfulItem",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "UnsuccessfulItem",
  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "documentation": "",
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableDeclarationType" : "UnsuccessfulItem",
"variableName" : "member",
"variableType" : "UnsuccessfulItem",
"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**<p>Information about the flow logs that could not be created successfully.</p>
@param unsuccessful Information about the flow logs that could not be created successfully.*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the flow logs that could not be created successfully.</p><p>Note: This method appends the values to the existing list (if any). Use {@link #setUnsuccessful(java.util.Collection)} or {@link #withUnsuccessful(java.util.Collection)} if you want to override the existing values.</p><p>@param unsuccessful Information about the flow logs that could not be created successfully.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "<p>Information about the flow logs that could not be created successfully.</p>",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
"xmlNameSpaceUri" : null

"membersAsMap" : {
  "ClientToken" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>\n@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
    "getterMethodName" : "getClientToken",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ClientToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "clientToken",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ClientToken",
    "setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
    "setterMethodName" : "setClientToken",
  }
}
"setterModel": {
    "variableDeclarationType": "String",
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    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\<p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "clientToken",
    "variableType": "String",
    "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"FlowLogIds": {
    "c2jName": "FlowLogIds",
    "c2jShape": "ValueStringList",
    "deprecated": false,
    "documentation": "<p>The IDs of the flow logs.\</p>",
    "enumType": null,
    "fluentSetterDocumentation": "<p>The IDs of the flow logs.\n@param flowLogIds The IDs of the flow logs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withFlowLogIds",
    "getterDocumentation": "<p>The IDs of the flow logs.\n@return The IDs of the flow logs.\n\</p>",
    "getterMethodName": "getFlowLogIds",
    "getterModel": {
        "returnType": "java.util.List<String>",
        "documentation": null
    },
    "http": {
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        "additionalUnmarshallingPath": null,
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        "greedy": false,
        "header": false,
        "isPayload": false,
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        "additionalUnmarshallingPath": null,
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        "additionalUnmarshallingPath": null,
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        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
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        "additionalUnmarshallingPath": null,
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        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
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        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "flowLogIdSet",
"uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member */",
"}}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 @param member 
 @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>The IDs of the flow logs.</p>
 @param flowLogIds The IDs of the flow logs.</p>*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,

/*\s+<\p>The IDs of the flow logs.</\p>\n\<\b>NOTE:</\b> This method appends the values to the existing list (if any). Use {@link #setFlowLogIds(java.util.Collection)} or {@link #withFlowLogIds(java.util.Collection)} if you want to override the existing values.</p>\n@param flowLogIds The IDs of the flow logs.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "flowLogIds",
"variableType" : "java.util.List<String>",
"documentation" : "The IDs of the flow logs.",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},

"xmlNameSpaceUri" : null
},

"Unsuccessful" : {

"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemSet",
"deprecated" : false,
"documentation" : "Information about the flow logs that could not be created successfully.",
"enumType" : null,
"fluentSetterDocumentation" : "Information about the flow logs that could not be created successfully.\n@param unsuccessful Information about the flow logs that could not be created successfully.\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "Information about the flow logs that could not be created successfully.\n@return Information about the flow logs that could not be created successfully.*/

"getterMethodName" : "getUnsuccessful",
"getterModel" : {

"returnType" : "java.util.List<UnsuccessfulItem>",
"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Unsuccessful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "UnsuccessfulItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return 
*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "UnsuccessfulItem",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : false,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "UnsuccessfulItem",
      "variableName" : "member",
      "variableType" : "UnsuccessfulItem",
      "documentation" : "",
      "simpleType" : "UnsuccessfulItem",
    }
  }
}
"variableSetterType": "UnsuccessfulItem",
},
"simple": false,
"varargSetterDocumentation": "<p>Information about the flow logs that could not be created successfully.</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setUnsuccessful(java.util.Collection)} or {@link #withUnsuccessful(java.util.Collection)} if you want to override the existing values.</p>

\n
@param unsuccessful Information about the flow logs that could not be created successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "UnsuccessfulItem",
"variableName": "member",
"variableType": "UnsuccessfulItem",
"documentation": "",
"simpleType": "UnsuccessfulItem",
"variableSetterType": "UnsuccessfulItem"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "UnsuccessfulItem",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "UnsuccessfulItem",
"templateImplType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType": "java.util.List<UnsuccessfulItem>
",
"map": false,
"mapModel": null,
"name": "Unsuccessful",
"setterDocumentation": "Information about the flow logs that could not be created successfully.\n
@param unsuccessful Information about the flow logs that could not be created successfully.*/",
"setterMethodName": "setUnsuccessful",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName": "unsuccessful",
"variableType": "java.util.List<UnsuccessfulItem>",
"documentation": "",
"simpleType": "List<UnsuccessfulItem>",
"variableSetterType": "java.util.Collection<UnsuccessfulItem>"
},
"simple": false,
"varargSetterDocumentation": "Information about the flow logs that could not be created successfully.\n
@param unsuccessful Information about the flow logs that could not be created successfully.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "<p>Information about the flow logs that could not be created successfully.</p>",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
],
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateFlowLogsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateFlowLogsResult",
  "variableName" : "createFlowLogsResult",
  "variableType" : "CreateFlowLogsResult",
  "documentation" : null,
  "simpleType" : "CreateFlowLogsResult",
  "variableSetterType" : "CreateFlowLogsResult"
},
"wrapper" : false
},
"CreateImageRequest" : {
  "c2jName" : "CreateImageRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateImage.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateImage",
    "locationName" : null,
    "requestUri" : "/",
    "variableDeclarationType" : "CreateImageRequest",
    "variableName" : "createImageRequest",
    "variableType" : "CreateImageRequest",
    "documentation" : null,
    "simpleType" : "CreateImageRequest",
    "variableSetterType" : "CreateImageRequest"
  },
  "wrapper" : false
},
"CreateImageRequest" : {
  "c2jName" : "CreateImageRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateImage.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateImage",
    "locationName" : null,
    "requestUri" : "/",
    "variableDeclarationType" : "CreateImageRequest",
    "variableName" : "createImageRequest",
    "variableType" : "CreateImageRequest",
    "documentation" : null,
    "simpleType" : "CreateImageRequest",
    "variableSetterType" : "CreateImageRequest"
  },
  "wrapper" : false
}
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
],
"members" : [ {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p><h2> @return Returns a reference to this object so that method calls can be chained together.</h2>*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p><h2> @return The ID of the instance.</h2>*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p><h2> @return The ID of the instance.</h2>*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p><p>@param instanceId The ID of the instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.",
"xmlNameSpaceUri" : null,
},
"c2jName" : "Name",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces (), periods (), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>
@param name A name for the new image.
@return A name for the new image.

"fluentSetterDocumentation" : "/**<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces (), periods (), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces (), periods (), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p><p>@return A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces (), periods (), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>*/",
"getterMethodName" : "getName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "name",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "name",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/*<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)*/
@param name A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;A description for the new image.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;A description for the new image.&lt;/p&gt;&lt;tt&gt;@param description A description for the new image.&lt;/tt&gt;&lt;tt&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/tt&gt;*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**&lt;p&gt;A description for the new image.&lt;/p&gt;&lt;tt&gt;@return A description for the new image.&lt;/tt&gt;*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**&lt;p&gt;A description for the new image.&lt;/p&gt;&lt;tt&gt;@param description A description for the new image.&lt;/tt&gt;&lt;tt&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/tt&gt;*/",
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**&lt;p&gt;A description for the new image.&lt;/p&gt;&lt;tt&gt;@param description A description for the new image.&lt;/tt&gt;&lt;tt&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/tt&gt;*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>A description for the new image.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "NoReboot",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>
@param noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNoReboot",
"getterDocumentation" : "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>
@return By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.*/",
"getterMethodName" : "getNoReboot",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NoReboot",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "noReboot",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NoReboot",
"setterDocumentation" : "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>
@param noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.*/",
"setterMethodName" : "setNoReboot",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "noReboot",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>
@param noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "noReboot",
  "variableType" : "Boolean",
  "documentation" : "<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingRequestList",
"deprecated" : false,
"documentation" : "<p>Information about one or more block device mappings.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@param
blockDeviceMappings Information about one or more block device mappings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@return Information about one or more block device mappings.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<BlockDeviceMapping>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "blockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "BlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "BlockDeviceMapping",
  "documentation" : null
}
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "BlockDeviceMapping",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "BlockDeviceMapping",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
    "variableDeclarationType": "BlockDeviceMapping",
    "variableName": "member",
    "variableType": "BlockDeviceMapping",
    "documentation": "",
    "simpleType": "BlockDeviceMapping",
    "variableSetterType": "BlockDeviceMapping"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "BlockDeviceMapping",
    "variableName": "member",
    "variableType": "BlockDeviceMapping",
    "documentation": "",
    "simpleType": "BlockDeviceMapping",
    "variableSetterType": "BlockDeviceMapping"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "BlockDeviceMapping",
"memberType": "BlockDeviceMapping",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"}

"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@param blockDeviceMappings Information about one or more block device mappings.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setBlockDeviceMappings(java.util.Collection)} or { @link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings Information about one or more block device mappings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "<p>Information about one or more block device mappings.</p>",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlnsNameSpaceUri" : null
}

"membersAsMap" : {
  "BlockDeviceMappings" : {
    "c2jName" : "BlockDeviceMappings",
    "c2jShape" : "BlockDeviceMappingRequestList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more block device mappings.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@param blockDeviceMappings Information about one or more block device mappings.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "name" : "BlockDeviceMappings",
    "setterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@param blockDeviceMappings Information about one or more block device mappings.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setBlockDeviceMappings",
    "setterModel" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
      "variableName" : "blockDeviceMappings",
      "variableType" : "java.util.List<BlockDeviceMapping>",
      "documentation" : "",
      "simpleType" : "List<BlockDeviceMapping>",
      "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
    }
  }
}
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@return Information about one or more block device mappings. */",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "blockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "BlockDeviceMapping",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BlockDeviceMapping",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 3796
"templateImplType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType": "java.util.List<BlockDeviceMapping>"
},
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/**<p>Information about one or more block device mappings.</p>
@param blockDeviceMappings Information about one or more block device mappings.*/",
"setterMethodName": "setBlockDeviceMappings",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more block device mappings.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings Information about one or more block device mappings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "<p>Information about one or more block device mappings.</p>",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri": null
},
"Description": {
  "c2jName": "Description",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>A description for the new image.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>A description for the new image.</p>
@param description A description for the new image.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDescription",
  "getterDocumentation": "/**<p>A description for the new image.</p>
@return A description for the new image.*/",
  "getterMethodName": "getDescription",
  "getterModel": {
    "returnType": "String"
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
},
&idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the new image.</p>
@param description A description for
the new image.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*/p>A description for the new image.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the new image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}"
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
  @return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceId",
  "setterDocumentation" : "/**<p>The ID of the instance.</p>
  @param instanceId The ID of the instance.*/",
  "setterMethodName" : "setInstanceId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
  @param instanceId The ID of the"
instance.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Name": {
  "c2jName": "Name",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>A name for the new image.</p>  <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_) in the name. Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_) in the name.</p>
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>A name for the new image.</p>  <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_) in the name.</p>
  <p>@param name A name for the new image.</p>  <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_) in the name.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withName",
  "getterDocumentation": "/**<p>A name for the new image.</p>  <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_) in the name.</p>
  <p>@return A name for the new image.</p>  <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_) in the name.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getName",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Name",
    "queryString": false,
    "statusCode": false,
    "queryLocationName": "Name",
    "statusLocationName": "Name",
    "multiValue": false,
    "multiValueLocationName": "Name"},
  "httpMapper": null,
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Name",
  "queryString": false,
  "statusCode": false,
  "queryLocationName": "Name",
  "statusLocationName": "Name",
  "multiValue": false,
  "multiValueLocationName": "Name"}
"unmarshallLocationName" : "name",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>A name for the new image.</p>
<p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>
@param name A name for the new image.</p>
<p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)*"*/",
"setterMethodName" : "setName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A name for the new image.</p>
<p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)*"*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "<p>A name for the new image.</p>
<p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>

"NoReboot" : {
"c2jName" : "NoReboot",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image."

"xmlNameSpaceUri" : null
},
"NoReboot" : {
"c2jName" : "NoReboot",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image."
When this option is used, file system integrity on the created image can't be guaranteed.

"enumType" : null,
"fluentSetterDocumentation" : "/**\nBy default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.\n
@noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.\n
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNoReboot",
"getterDocumentation" : "/**\nBy default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.\n
@return By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed. */",
"getterMethodName" : "getNoReboot",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NoReboot",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "noReboot",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NoReboot",
"setterDocumentation" : "/**\nBy default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.\n
@noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed. */"
By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

@noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

@return Returns a reference to this object so that method calls can be chained together.

By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

@return Returns a reference to this object so that method calls can be chained together.
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateImage.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { 
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new AMI.</p>
@param imageId The ID of the new AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the new AMI.</p>
@return The ID of the new AMI.*/",
"getterMethodName" : "getImageId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the new AMI.</p>
@param imageId The ID of the new AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new AMI.</p>
@param imageId The ID of the new AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the new AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ImageId" : {
    "c2jName" : "ImageId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the new AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the new AMI.</p>
@param imageId The ID of the new AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withImageId",
    "getterDocumentation" : "/**<p>The ID of the new AMI.</p>
@return The ID of the new AMI.*/",
    "getterMethodName" : "getImageId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"variableName" : "createImageResult",
"variableType" : "CreateImageResult",
"documentation" : null,
"simpleType" : "CreateImageResult",
"variableSetterType" : "CreateImageResult"
},
"wrapper" : false
},
"CreateInstanceExportTaskRequest" : {
"c2jName" : "CreateInstanceExportTaskRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateInstanceExportTask.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateInstanceExportTask",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.</p>*/
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.</p>*/
    "getterMethodName" : "getDescription",
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  3807"}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.</p>
@param description A description for the conversion task or the resource being exported. The maximum length is 255 bytes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.</p>
@param description A description for the conversion task or the resource being exported. The maximum length is 255 bytes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "varargSetterType" : "String"
}"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p><p>@return The ID of the instance.</p>*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p><p>@return The ID of the instance.</p>*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "TargetEnvironment",
"c2jShape" : "ExportEnvironment",
"deprecated" : false,
"documentation" : "<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.
@return The target virtualization environment.
@see ExportEnvironment*/",
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"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetEnvironment",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetEnvironment",
"setterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.
@see ExportEnvironment*/",
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   "variableName" : "targetEnvironment",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.
@see ExportEnvironment*/",
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   "variableName" : "targetEnvironment",
   "variableType" : "String",
   "documentation" : "<p>The target virtualization environment.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
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"c2jShape" : "ExportToS3TaskSpecification",
"deprecated" : false,
"documentation" : "<p>The format and location for an instance export task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The format and location for an instance export task.</p>
@param exportToS3Task The format and location for an instance export task.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withExportToS3Task",
"getterDocumentation" : "/**<p>The format and location for an instance export task.</p>
@return The format and location for an instance export task.
@see ExportToS3Task*/",
"getterMethodName" : "getExportToS3Task",
"getterModel" : {
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   "documentation" : null
},
"http" : {
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   "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "exportToS3",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExportToS3Task",
"setterDocumentation" : "/**<p>The format and location for an instance export task.</p>
@param
exportToS3Task The format and location for an instance export task.*/",
"setterMethodName" : "setExportToS3Task",
"setterModel" : {
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 "variableName" : "exportToS3Task",
 "variableType" : "ExportToS3TaskSpecification",
 "documentation" : "",
 "simpleType" : "ExportToS3TaskSpecification",
 "variableSetterType" : "ExportToS3TaskSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The format and location for an instance export task.</p>
@param
exportToS3Task The format and location for an instance export task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableName" : "exportToS3Task",
 "variableType" : "ExportToS3TaskSpecification",
 "documentation" : "<p>The format and location for an instance export task.</p>",
 "simpleType" : "ExportToS3TaskSpecification",
 "variableSetterType" : "ExportToS3TaskSpecification"
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"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
 "Description" : {
 "c2jName" : "Description",
 "c2jShape" : "String",
 "deprecated" : false,
"documentation" : "]<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "]<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.

```java
@parameter

public Description getDescription()

@returns

A description for the conversion task or the resource being exported. The maximum length is 255 bytes.

```",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "]<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.</p>

```java
@returns

A description for the conversion task or the resource being exported. The maximum length is 255 bytes.

```",
"getterMethodName" : "getDescription",
"getterModel" : {

```
private String description;

```",
"http" : {

```
private String description;

```}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "]<p>A description for the conversion task or the resource being exported. The maximum length is 255 bytes.

```java
@returns

A description for the conversion task or the resource being exported. The maximum length is 255 bytes.

```",
"setterMethodName" : "setDescription",
"setterModel" : {

```
private String description;

```}}
A description for the conversion task or the resource being exported. The maximum length is 255 bytes.

A description for the conversion task or the resource being exported. The maximum length is 255 bytes.

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The format and location for an instance export task.

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The format and location for an instance export task.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExportToS3Task",
"setterDocumentation" : "/**<p>The format and location for an instance export task.</p>
@param
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"setterMethodName" : "setExportToS3Task",
"setterModel" : {
  "variableDeclarationType" : "ExportToS3TaskSpecification",
  "variableName" : "exportToS3Task",
  "variableType" : "ExportToS3TaskSpecification",
  "documentation" : "",
  "simpleType" : "ExportToS3TaskSpecification",
  "variableSetterType" : "ExportToS3TaskSpecification"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The format and location for an instance export task.</p>
@param
exportToS3Task The format and location for an instance export task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType" : "ExportToS3TaskSpecification",
  "variableName" : "exportToS3Task",
  "variableType" : "ExportToS3TaskSpecification",
  "documentation" : "<p>The format and location for an instance export task.</p>",
  "simpleType" : "ExportToS3TaskSpecification",
  "variableSetterType" : "ExportToS3TaskSpecification"
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"xmlNameSpaceUri" : null,
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param
instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\nThe ID of the instance.\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "\nThe ID of the instance.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetEnvironment" : {
  "c2jName" : "TargetEnvironment",
  "c2jShape" : "ExportEnvironment",
  "deprecated" : false,
  "documentation" : "\nThe target virtualization environment.\n"}
"enumType" : "ExportEnvironment",
"fluentSetterDocumentation" : "/**<p>The target virtualization environment.</p>
@param
@see ExportEnvironment*/",
"fluentSetterMethodName" : "withTargetEnvironment",
"getterDocumentation" : "/**<p>The target virtualization environment.</p>
@return The target virtualization environment.
@see ExportEnvironment*/",
"getterMethodName" : "getTargetEnvironment",
"getterModel" : { 
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "targetEnvironment",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param targetEnvironment The target virtualization environment.
@see ExportEnvironment*/",
"setterMethodName" : "setTargetEnvironment",
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  "variableDeclarationType" : "String",
  "variableName" : "targetEnvironment",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@see ExportEnvironment*/", 
"varargSetterMethodName" : "withTargetEnvironment"}
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    "variableType" : "String",
    "documentation" : "<p>The target virtualization environment.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
"required" : [ "InstanceId" ],
"shapeName" : "CreateInstanceExportTaskRequest",
"unmarshaller" : null,
"variable" : {
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    "variableName" : "createInstanceExportTaskRequest",
    "variableType" : "CreateInstanceExportTaskRequest",
    "documentation" : null,
    "simpleType" : "CreateInstanceExportTaskRequest",
    "variableSetterType" : "CreateInstanceExportTaskRequest"
},
"wrapper" : false
},
"CreateInstanceExportTaskResult" : {
    "c2jName" : "CreateInstanceExportTaskResult",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output for CreateInstanceExportTask.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "ExportTask",
        "c2jShape" : "ExportTask",
        "deprecated" : false,
        "documentation" : "<p>Information about the instance export task.</p>"},
    ]
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the instance export task.
param exportTask Information about the instance export task.
return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withExportTask",
"getterDocumentation" : "/**<p>Information about the instance export task.
return Information about the instance export task.*/",
"getterMethodName" : "getExportTask",
"getterModel" : {
"returnType" : "ExportTask",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ExportTask",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "exportTask",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExportTask",
"setterDocumentation" : "/**<p>Information about the instance export task.
param exportTask Information about the instance export task.*/",
"setterMethodName" : "setExportTask",
"setterModel" : {
"variableDeclarationType" : "ExportTask",
"variableName" : "exportTask",
"variableType" : "ExportTask",
"documentation" : "",
"simpleType" : "ExportTask",
"variableSetterType" : "ExportTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the instance export task.
return Returns a reference to this object so that method calls can be
chained together.*/";
"variable" : {
  "variableDeclarationType" : "ExportTask",
  "variableName" : "exportTask",
  "variableType" : "ExportTask",
  "documentation" : "<p>Information about the instance export task.</p>",
  "simpleType" : "ExportTask",
  "variableSetterType" : "ExportTask"
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"membersAsMap" : {
  "ExportTask" : {
    "c2jName" : "ExportTask",
    "c2jShape" : "ExportTask",
    "deprecated" : false,
    "documentation" : "<p>Information about the instance export task.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the instance export task.</p>@param exportTask Information about the instance export task.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withExportTask",
    "getterDocumentation" : "/**<p>Information about the instance export task.</p>@return Information about the instance export task.<p>*/",
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    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "exportTask",
      "uri" : false
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    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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"setterDocumentation" : "/**<p>Information about the instance export task.</p>
@param exportTask
Information about the instance export task.*/",
"setterMethodName" : "setExportTask",
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  "variableName" : "exportTask",
  "variableType" : "ExportTask",
  "documentation" : "",
  "simpleType" : "ExportTask",
  "variableSetterType" : "ExportTask"
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"varargSetterDocumentation" : "/**<p>Information about the instance export task.</p>
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Information about the instance export task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "ExportTask",
  "documentation" : "<p>Information about the instance export task.</p>",
  "simpleType" : "ExportTask",
  "variableSetterType" : "ExportTask"
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "createInstanceExportTaskResult",
  "variableType" : "CreateInstanceExportTaskResult",
  "documentation" : null,
  "simpleType" : "CreateInstanceExportTaskResult",
  "variableSetterType" : "CreateInstanceExportTaskResult"
},
"wrapper" : false
},
"CreateInternetGatewayRequest" : {
  "c2jName" : "CreateInternetGatewayRequest",
  "customization" : {


"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateInternetGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CreateInternetGateway",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateInternetGatewayRequest",
"unmarshaller" : null,
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"variableName" : "createInternetGatewayRequest",
"variableType" : "CreateInternetGatewayRequest",
"documentation" : null,
"simpleType" : "CreateInternetGatewayRequest",
"variableSetterType" : "CreateInternetGatewayRequest"
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"wrapper" : false
},
"CreateInternetGatewayResult" : {
"c2jName" : "CreateInternetGatewayResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateInternetGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CreateInternetGateway",
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"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateInternetGatewayResult",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateInternetGatewayResult",
"variableName" : "createInternetGatewayResult",
"variableType" : "CreateInternetGatewayResult",
"documentation" : null,
"simpleType" : "CreateInternetGatewayResult",
"variableSetterType" : "CreateInternetGatewayResult"
},
"wrapper" : false
}
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {"c2jName" : "InternetGateway",
   "c2jShape" : "InternetGateway",
   "deprecated" : false,
   "documentation" : "<p>Information about the Internet gateway.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>Information about the Internet gateway.</p>@param internetGateway Information about the Internet gateway.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "fluentSetterMethodName" : "withInternetGateway",
   "getterDocumentation" : "/**<p>Information about the Internet gateway.</p>@return Information about the Internet gateway.</p>*/",
   "getterMethodName" : "getInternetGateway",
   "getterModel" : {
     "returnType" : "InternetGateway",
     "documentation" : null
   },
   "http" : {
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     "additionalUnmarshallingPath" : null,
     "flattened" : false,
     "greedy" : false,
     "header" : false,
     "isPayload" : false,
     "isStreaming" : false,
     "location" : null,
     "marshallLocationName" : "InternetGateway",
     "queryString" : false,
     "statusCode" : false,
     "unmarshallLocationName" : "internetGateway",
     "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "InternetGateway",
   "setterDocumentation" : "/**<p>Information about the Internet gateway.</p>@param internetGateway Information about the Internet gateway.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "setterMethodName" : "setInternetGateway",
}];
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  "variableName" : "internetGateway",
  "variableType" : "InternetGateway",
  "documentation" : "",
  "simpleType" : "InternetGateway",
  "variableSetterType" : "InternetGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Internet gateway.</p>
@param internetGateway Information about the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "InternetGateway",
  "documentation" : "<p>Information about the Internet gateway.</p>",
  "simpleType" : "InternetGateway",
  "variableSetterType" : "InternetGateway"
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    "c2jShape" : "InternetGateway",
    "deprecated" : false,
    "documentation" : "<p>Information about the Internet gateway.</p>",
    "enumType" : null,
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@param internetGateway Information about the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInternetGateway",
    "getterDocumentation" : "/**<p>Information about the Internet gateway.</p>
@return Information about the Internet gateway.*/",
    "getterMethodName" : "getInternetGateway",
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      "documentation" : null
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      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
Information about the Internet gateway.

```java
/**
 * Information about the Internet gateway.
 * @param internetGateway
 * @return Returns a reference to this object so that method calls can be chained together.
 */

InternetGateway internetGateway;

internetGateway = new InternetGateway();

```

Information about the Internet gateway.

```java
/**
 * Information about the Internet gateway.
 * @param
 * internetGateway
 * Information about the Internet gateway.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

InternetGateway internetGateway;

internetGateway = new InternetGateway();

```
"variableDeclarationType" : "CreateInternetGatewayResult",
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"documentation" : null,
"simpleType" : "CreateInternetGatewayResult",
"variableSetterType" : "CreateInternetGatewayResult"
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"customization" : {
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  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
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"deprecated" : false,
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"hasStreamingMember" : false,
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  "locationName" : null,
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  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
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  "deprecated" : false,
  "documentation" : "<p>A unique name for the key pair. </p> <p>Constraints: Up to 255 ASCII characters</p> ",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A unique name for the key pair. </p> <p>Constraints: Up to 255 ASCII characters</p> <br/>\n@<span class="param">keyName</span> A unique name for the key pair.<p> Constraints: Up to 255 ASCII characters</p> <br/>\n@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withKeyName",
  "getterDocumentation" : "/**<p>A unique name for the key pair. </p> <p>Constraints: Up to 255 ASCII characters</p> <br/>\n@return A unique name for the key pair.<p> Constraints: Up to 255 ASCII characters</p> <br/>\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "getterModel" : {
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"documentation": null,
},
"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "KeyName",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "KeyName",
"setterDocumentation": "/**<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>\n@param keyName A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>\n@return Returns a reference to this object so that method calls can be chained together.*)",
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"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>\n@param keyName A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters\n@return Returns a reference to this object so that method calls can be chained together.*")",
"variable": {
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  "variableName": "keyName",
  "variableType": "String",
  "documentation": "<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>\n@param keyName A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters
@return Returns a reference to this object so that method calls can be chained together.*"",
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            "greedy" : false,
            "header" : false,
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            "isStreaming" : false,
            "location" : null,
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "KeyName",
            "uri" : false
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            "returnType" : "String",
            "documentation" : null
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            "unmarshallingLocationName"
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        "locationName" : "KeyName",
        "network" : {
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
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            "isStreaming" : false,
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            "statusCode" : false,
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            "uri" : false
        },
        "isTypeWithResponseMetadata" : false
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/

A unique name for the key pair.

Constraints: Up to 255 ASCII characters

@returns Returns a reference to this object so that method calls can be chained together. */",
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"documentation" : "A unique name for the key pair.

Constraints: Up to 255 ASCII characters",
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"xmlNameSpaceUri" : null
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"wrappedMemberSimpleType" : "KeyPair"
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"deprecated" : false,
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"enums" : null,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "deprecated" : false,
  "documentation" : "<p>Describes a key pair.</p>"
  
  
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Describes a key pair.</p>
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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  @return Describes a key pair.
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    "documentation" : null
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    "isPayload" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "KeyPair",
    "uri" : false
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  "map" : false,
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  @param keyPair Describes a key pair.
  */",
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  "setterModel" : {

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"variableSetterType" : "KeyPair"
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"variableType" : "KeyPair",
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@param keyPair Describes a key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"varargSetterDocumentation" : "/**<p>Describes a key pair.</p><\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "KeyPair",
"documentation" : "<p>Describes a key pair.</p>
@param keyPair Describes a key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variable" : {
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"variableName" : "keyPair",
"variableType" : "KeyPair",
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@param keyPair Describes a key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simple" : false,
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"variableType" : "KeyPair",
"documentation" : "<p>Describes a key pair.</p>
@param keyPair Describes a key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"uri" : false
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"list" : false,
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"mapModel" : null,
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  "variableName" : "keyPair",
  "variableType" : "KeyPair",
  "documentation" : "",
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  "variableSetterType" : "KeyPair"
},
"simple" : false,
"varargSetterDocumentation" : "/**Describes a key pair.<p>@param keyPair Describes a key pair.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "KeyPair",
  "documentation" : "Describes a key pair.",
  "simpleType" : "KeyPair",
  "variableSetterType" : "KeyPair"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
},
"variable" : {
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  "variableName" : "createKeyPairResult",
  "variableType" : "CreateKeyPairResult",
  "documentation" : null,
  "simpleType" : "CreateKeyPairResult",
  "variableSetterType" : "CreateKeyPairResult"
"CreateNatGatewayRequest" : {
  "c2jName" : "CreateNatGatewayRequest",
  "customization" : {
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  "deprecated" : false,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
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     "documentation" : "<p>The subnet in which to create the NAT gateway.</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/*<p>The subnet in which to create the NAT gateway.</p>\n@\n@\ntext Returns a reference to this object so that method calls can be chained together.*/",
     "fluentSetterMethodName" : "withSubnetId",
     "getterDocumentation" : "/*<p>The subnet in which to create the NAT gateway.</p>\n@\n@\ntext The subnet in which to create the NAT gateway.*/",
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       "documentation" : null
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       "additionalUnmarshallingPath" : null,
       "flattened" : false,
     }
  }
}
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/*\n@\nparam subnetId The subnet in which to create the NAT gateway.
*/",
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"setterModel" : {
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  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@\nparam subnetId The subnet in which to create the NAT gateway
\n@\nreturn Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The subnet in which to create the NAT gateway.</p>
  
  <p>@param subnetId The subnet in which to create the NAT gateway.</p>
  
  <p>@return Returns a reference to this object so that method calls can be chained together.</p>
  
  </p>
},
"variableSetterType" : "String"},
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},
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
  
  <p>@enumType : null,
"
"fluentSetterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>*/
@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
@return The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AllocationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>*/
@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAllocationId",
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  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
**The allocation ID of an Elastic IP address to associate with the NAT gateway.** If the Elastic IP address is associated with another resource, you must first disassociate it.

```java
@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.
@return Returns a reference to this object so that method calls can be chained together.*/

```
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
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"header" : false,
"isPayload" : false,
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"location" : null,
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"statusCode" : false,
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"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p> @param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p> @return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p> @param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p> \n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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<br><p>Constraint: Maximum 64 ASCII characters.</p>",

"simpleType" : "String",
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"xmlNameSpaceUri" : null
],
"membersAsMap" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
<br>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p><br>
\n@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.<br>
\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
<br>
\n@return The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "AllocationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AllocationId",
    "uri" : false
},

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AllocationId",
"setterDocumentation": "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>\n@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.*/",
"setterMethodName": "setAllocationId",
"setterModel": {
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  "variableName": "allocationId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>\n@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
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  "c2jName": "ClientToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "&lt;p&gt;Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Maximum 64 ASCII characters.&lt;/p&gt;",
  "enumType": null,
  "fluentSetterDocumentation": "/**&lt;p&gt;Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Maximum 64 ASCII characters.&lt;/p&gt;",
  "Setter": null,
  "SetterDocumentation": "/**&lt;p&gt;Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Maximum 64 ASCII characters.&lt;/p&gt;",
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  "setterMethodName": "setClientToken",
  "setterModel": {
    "class": null,
    "enumType": null,
    "documentation": "&lt;p&gt;Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Maximum 64 ASCII characters.&lt;/p&gt;",
    "name": "ClientToken",
    "simple": true,
    "variable": {
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      "variableType": "String",
      "simpleType": "String",
      "variableSetterType": "String"
    }
  }
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"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
    "c2jName" : "SubnetId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The subnet in which to create the NAT gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The subnet in which to create the NAT gateway.</p>
@param subnetId The subnet in which to create the NAT gateway.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSubnetId",
    "getterDocumentation" : "/**<p>The subnet in which to create the NAT gateway.</p>
@return The subnet in which to create the NAT gateway.</p>*/",
    "getterMethodName" : "getSubnetId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**
 * The subnet in which to create the NAT gateway.
 * @param subnetId The subnet in which to create the NAT gateway.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setSubnetId",
"setterModel" : {
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   "variableName" : "subnetId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The subnet in which to create the NAT gateway.
 * @param subnetId The subnet in which to create the NAT gateway.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
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   "variableType" : "String",
   "documentation" : "<p>The subnet in which to create the NAT gateway.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SubnetId", "AllocationId" ],
"shapeName" : "CreateNatGatewayRequest",
"unmarshaller" : null,
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  "variableDeclarationType" : "CreateNatGatewayRequest",
  "variableName" : "createNatGatewayRequest",
  "variableType" : "CreateNatGatewayRequest",
  "documentation" : null,
  "simpleType" : "CreateNatGatewayRequest",
  "variableSetterType" : "CreateNatGatewayRequest"
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"wrapper" : false
},
"CreateNatGatewayResult" : {
  "c2jName" : "CreateNatGatewayResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateNatGateway.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
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      "c2jName" : "NatGateway",
      "c2jShape" : "NatGateway",
      "deprecated" : false,
      "documentation" : "<p>Information about the NAT gateway.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the NAT gateway.</p栝
    \n    @param natGateway

    Information about the NAT gateway.
    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withNatGateway",
      "getterDocumentation" : "/**<p>Information about the NAT gateway.</p栝
    \n    @return Information about the

    NAT gateway.*/",
      "getterMethodName" : "getNatGateway",
      "getterModel" : {
        "returnType" : "NatGateway",
        "documentation" : null
      },
      "http" : {
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      }
    }
  ]
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGateway",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGateway",
"setterDocumentation" : "/**<p>Information about the NAT gateway.</p>
@param natGateway Information about the NAT gateway.*/
setterMethodName" : "setNatGateway",
"setterModel" : {
  "variableDeclarationType" : "NatGateway",
  "variableName" : "natGateway",
  "variableType" : "NatGateway",
  "documentation" : "",
  "simpleType" : "NatGateway",
  "variableSetterType" : "NatGateway"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the NAT gateway.</p>
@param natGateway Information about the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
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  "variableType" : "NatGateway",
  "documentation" : "<p>Information about the NAT gateway.</p>
  "simpleType" : "NatGateway",
  "variableSetterType" : "NatGateway"
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"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned
if a client token was provided in the request.

"enumType" : null,

"fluentSetterDocumentation" : "*/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>

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"getterDocumentation" : "*/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>

@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.

@return Returns a reference to this object so that method calls can be chained together.*"",

"getterMethodName" : "getClientToken",

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"documentation" : null

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"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

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"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "clientToken",

"uri" : false

},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ClientToken",

"setterDocumentation" : "*/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>

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"setterMethodName" : "setClientToken",

"setterModel" : {

"variableDeclarationType" : "String",

"variableName" : "clientToken",

"variableType" : "String",

"documentation" : "",

"simpleType" : "String",

"variableSetterType" : "String"

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"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>\n@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"membersAsMap" : {
"ClientToken" : {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>\n@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>\n@return Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallILOcationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
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idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>
@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
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"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>
@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "NatGateway",
"deprecated" : false,
"documentation" : "<p>Information about the NAT gateway. Only returned if a client token was provided in the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the NAT gateway. Only returned if a client token was provided in the request. Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGateway"}
"getterDocumentation" : "/**\n<p>Information about the NAT gateway.</p>\n@return Information about the NAT gateway. */",
"getterMethodName" : "getNatGateway",
"getterModel" : {
    "returnType" : "NatGateway",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NatGateway",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "natGateway",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGateway",
"setterDocumentation" : "/**\n<p>Information about the NAT gateway.</p>\n@param natGateway Information about the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setNatGateway",
"setterModel" : {
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    "variableType" : "NatGateway",
    "documentation" : "",
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    "variableSetterType" : "NatGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the NAT gateway.</p>\n@param natGateway Information about the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableName" : "natGateway",
    "variableType" : "NatGateway",
    "documentation" : "<p>Information about the NAT gateway.</p>"
"simpleType" : "NatGateway",
"variableSetterType" : "NatGateway"
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"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CreateNatGatewayResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateNatGatewayResult",
  "variableName" : "createNatGatewayResult",
  "variableType" : "CreateNatGatewayResult",
  "documentation" : null,
  "simpleType" : "CreateNatGatewayResult",
  "variableSetterType" : "CreateNatGatewayResult"
},
"wrapper" : false
},
"CreateNetworkAclEntryRequest" : {
  "c2jName" : "CreateNetworkAclEntryRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateNetworkAclEntry.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateNetworkAclEntry",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  }
}
"members": [ {
  "c2jName": "NetworkAclId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the network ACL.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the network ACL.</p>
@Param networkAclId The ID of the network ACL.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNetworkAclId",
  "getterDocumentation": "/**<p>The ID of the network ACL.</p>
@return The ID of the network ACL.*/",
  "getterMethodName": "getNetworkAclId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NetworkAclId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "networkAclId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "NetworkAclId",
  "setterDocumentation": "/**<p>The ID of the network ACL.</p>
@Param networkAclId The ID of the network ACL.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setNetworkAclId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "networkAclId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "The ID of the network ACL.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.<p>
@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRuleNumber",
"getterDocumentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.<p>
@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getRuleNumber",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RuleNumber",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "ruleNumber",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p>
@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRuleNumber",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : <p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p>
@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : <p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Protocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```
"enumType" : null,

"fluentSetterDocumentation" : "/**\n*p> The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code> or <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify.

If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

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The protocol. A value of `<code>-1</code>` or `<code>all</code>` means all protocols. If you specify `<code>all</code>`, `<code>-1</code>`, or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, or `<code>icmp</code>`, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```java
@Param

@return

The protocol. A value of `<code>-1</code>` or `<code>all</code>` means all protocols. If you specify `<code>all</code>`, `<code>-1</code>`, or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, or `<code>icmp</code>`, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```
If you specify `<code>all</code>`, `<code>-1</code>`, or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, or `<code>icmp</code>`, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```xml
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
}],
"c2jName": "RuleAction",
"c2jShape": "RuleAction",
"deprecated": false,
"documentation": "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
"enumType": "RuleAction",
"fluentSetterDocumentation": "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.
@see RuleAction*/",
"fluentSetterMethodName": "withRuleAction",
"getMethodDocumentation": "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@return Indicates whether to allow or deny the traffic that matches the rule.
@see RuleAction*/",
"getterMethodName": "getPageAction",
"getterModel": {
"returnType": "String",
"documentation": null
",
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RuleAction",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ruleAction",
"uri": false
",
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RuleAction",
"setterDocumentation": "/**<p>Indicates whether to allow or deny the traffic that matches the"
rule.</p>\n@\param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n@see RuleAction*/

"setterMethodName" : "setRuleAction",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "ruleAction",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>Indicates whether to allow or deny the traffic that matches the rule.\n@\param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RuleAction*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ruleAction",
    "variableType" : "String",
    "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Egress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n@\param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n@return Returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withEgress",
    "getterDocumentation" : "/**\p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n@\return Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).*/
    "getterMethodName" : "getEgress",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Egress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
"setterDocumentation" : "/**<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>
@param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEgress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>
@param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
},
{ "c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n\n@return The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/",
"getterMethodName" : "getCidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for
example `<code>172.16.0.0/24</code>).</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example `<code>172.16.0.0/24</code>).</p>
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrBlock",
    "variableType" : "String",
    "documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation (for example `<code>172.16.0.0/24</code>).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Ipv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation (for example `<code>2001:db8:1234:1a00::/64</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : /*<p>The IPv6 network range to allow or deny, in CIDR notation (for example `<code>2001:db8:1234:1a00::/64</code>).</p>
@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example `<code>2001:db8:1234:1a00::/64</code>).</p>
@return Returns a reference to this object so that method calls can be chained together.*/
,"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : /*<p>The IPv6 network range to allow or deny, in CIDR notation (for example `<code>2001:db8:1234:1a00::/64</code>).</p>
@return The IPv6 network range to allow or deny, in CIDR notation (for example `<code>2001:db8:1234:1a00::/64</code>).</p>*/
,"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlock",
    "uri" : false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ipv6CidrBlock",
"setterDocumentation": "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code></p>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code></p>). */",
"setterMethodName": "setIpv6CidrBlock",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ipv6CidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code></p>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code></p>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ipv6CidrBlock",
  "variableType": "String",
  "documentation": "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code></p>).",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "IcmpTypeCode",
"c2jShape": "IcmpTypeCode",
"deprecated": false,
"documentation": "<p>The ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIcmpTypeCode",
"getterDocumentation": "<p>The ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n</p>\n@return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n*/"
or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block. */

"getterMethodName" : "getIcmpTypeCode",
"getterModel" : {
  "returnType" : "IcmpTypeCode",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Icmp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Icmp",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IcmpTypeCode",

"setterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying
the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block. */

@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained
together. */",

"setterMethodName" : "setIcmpTypeCode",
"setterModel" : {
  "variableDeclarationType" : "IcmpTypeCode",
  "variableName" : "icmpTypeCode",
  "variableType" : "IcmpTypeCode",
  "documentation" : "",
  "simpleType" : "IcmpTypeCode",
  "variableSetterType" : "IcmpTypeCode"
},

"simple" : false,

"varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if
specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block. */

@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained
together. */",

"variable" : {

variableDeclarationType" : "IcmpTypeCode",
"variableName" : "icmpTypeCode",
"variableType" : "IcmpTypeCode",
"documentation" : "<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the
ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>",
"simpleType" : "IcmpTypeCode",
"variableSetterType" : "IcmpTypeCode"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PortRange",
"c2jShape" : "PortRange",
"deprecated" : false,
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies
to.</p>\n@param portRange TCP or UDP protocols: The range of ports the rule applies to.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPortRange",
"getterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>\n@return TCP or UDP protocols: The range of ports the rule applies to.*/",
"getterMethodName" : "getPortRange",
"getterModel" : {
  "returnType" : "PortRange",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PortRange",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "portRange",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PortRange",
"setterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>\n@param portRangeTCP or UDP protocols: The range of ports the rule applies to.*/
"@param portRangeTCP or UDP protocols: The range of ports the rule applies to.\nreturn TCP or UDP protocols: The range of ports the rule applies to.*/"}
portRange TCP or UDP protocols: The range of ports the rule applies to.*/
"setterMethodName" : "setPortRange",
"setterModel" : {
  "variableDeclarationType" : "PortRange",
  "variableName" : "portRange",
  "variableType" : "PortRange",
  "documentation" : "",
  "simpleType" : "PortRange",
  "variableSetterType" : "PortRange"
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies
to.<p>\n@param portRange TCP or UDP protocols: The range of ports the rule applies to.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PortRange",
  "variableName" : "portRange",
  "variableType" : "PortRange",
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.<p>
  @param portRange TCP or UDP protocols: The range of ports the rule applies to.<p>
  @return Returns a reference to this object so that method calls can be chained together.</p>">",
  "simpleType" : "PortRange",
  "variableSetterType" : "PortRange"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "CidrBlock" : {
    "c2jName" : "CidrBlock",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).",
    "enumType" : null,
    "fluentSetterDocumentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCidrBlock",
    "getterDocumentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/",
    "getterMethodName" : "getCidrBlock",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/
",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Egress" : {
  "c2jName" : "Egress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n * @param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n * @return Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n */",
"fluentSetterMethodName" : "withEgress",
"getterDocumentation" : "/**\n * Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n * @return Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n */",
"getterMethodName" : "getEgress",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Egress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
"setterDocumentation" : "/**\n * Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n * @param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).\n */",
"setterMethodName" : "setEgress",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "egress",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"}
"simple" : true,
"varargSetterDocumentation" : "/*\n* Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
*/
@param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IcmpTypeCode" : {
  "c2jName" : "IcmpTypeCode",
  "c2jShape" : "IcmpTypeCode",
  "deprecated" : false,
  "documentation" : "<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n* ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
*/
  @param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
  @return Returns a reference to this object so that method calls can be chained together.*/
  "fluentSetterMethodName" : "withIcmpTypeCode",
  "getterDocumentation" : "/*\n* ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
*/
  @return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
  */
  "getterMethodName" : "getIcmpTypeCode",
  "getterModel" : {
    "returnType" : "IcmpTypeCode",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Icmp"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Icmp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IcmpTypeCode",
"setterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIcmpTypeCode",
"setterModel" : {
  "variableDeclarationType" : "IcmpTypeCode",
  "variableName" : "icmpTypeCode",
  "variableType" : "IcmpTypeCode",
  "documentation" : "",
  "simpleType" : "IcmpTypeCode",
  "variableSetterType" : "IcmpTypeCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IcmpTypeCode",
  "variableName" : "icmpTypeCode",
  "variableType" : "IcmpTypeCode",
  "documentation" : "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
"
  "xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
  "c2jName" : "Ipv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).'",
  "enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The IPv6 network range to allow or deny, in CIDR notation (for example \n<code>2001:db8:1234:1a00::/64</code>\n).</p>\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example \n<code>2001:db8:1234:1a00::/64</code>\n).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "/**\n<p>The IPv6 network range to allow or deny, in CIDR notation (for example \n<code>2001:db8:1234:1a00::/64</code>\n).</p>\n@return The IPv6 network range to allow or deny, in CIDR notation (for example \n<code>2001:db8:1234:1a00::/64</code>\n).*/",
"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshalLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**\n<p>The IPv6 network range to allow or deny, in CIDR notation (for example \n<code>2001:db8:1234:1a00::/64</code>\n).</p>\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example \n<code>2001:db8:1234:1a00::/64</code>\n).\n*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ipv6CidrBlock",
"variableType" : "ipv6CidrBlock",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The IPv6 network range to allow or deny, in CIDR notation (for example \n<code>2001:db8:1234:1a00::/64</code>\n).\n*/
"};
example

```xml
<param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example
<code>2001:db8:1234:1a00::/64</code>).</p>
@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example
<code>2001:db8:1234:1a00::/64</code>).</p>

```
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the network ACL. \n@param networkAclId The ID of the network ACL. */
",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/\*\*<p>The ID of the network ACL. \n@param networkAclId The ID of the network ACL. \n@return Returns a reference to this object so that method calls can be chained together. */
",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "<p>The ID of the network ACL.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PortRange" : {
"c2jName" : "PortRange",
"c2jShape" : "PortRange",
"deprecated" : false,
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PortRange",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "portRange",
"uri": false}
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PortRange",
"setterDocumentation": "/**\n<p>TCP or UDP protocols: The range of ports the rule applies to.</p>\n@param portRange TCP or UDP protocols: The range of ports the rule applies to.*/",
"setterMethodName": "setPortRange",
"setterModel": {
  "variableDeclarationType": "PortRange",
  "variableName": "portRange",
  "variableType": "PortRange",
  "documentation": "",
  "simpleType": "PortRange",
  "variableSetterType": "PortRange"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>TCP or UDP protocols: The range of ports the rule applies to.</p>\n@param portRange TCP or UDP protocols: The range of ports the rule applies to.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "PortRange",
  "variableName": "portRange",
  "variableType": "PortRange",
  "documentation": "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "simpleType": "PortRange",
  "variableSetterType": "PortRange"
},
"xmlNameSpaceUri": null
},
"Protocol": {
  "c2jName": "Protocol",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or"
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
@param protocol The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withProtocol",

"getterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
@return The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>

"getterMethodName" : "getProtocol",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Protocol",
    "queryString" : false,
    "statusCode" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "protocol"
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Protocol",
"setterDocumentation" : "/**\n\p The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
<br/>
@<param protocol The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</param>*/",
"setterMethodName" : "setProtocol",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "protocol",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\p The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</param>\n@<return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "protocol",
"variableType" : "String",
"documentation" : "\n\p The protocol. A value of <code>-1</code> or <code>all</code> means all protocols.
If you specify `<code>all</code>`, `<code>-1</code>`, or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, or `<code>icmp</code>`, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```xml
{
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RuleAction" : {
  "c2jName" : "RuleAction",
  "c2jShape" : "RuleAction",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
  "enumType" : "RuleAction",
  "fluentSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>\n@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.</p>\n@return Indicates whether to allow or deny the traffic that matches the rule.</p>\n@see RuleAction*/",
  "fluentSetterMethodName" : "withRuleAction",
  "getterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>\n@return Indicates whether to allow or deny the traffic that matches the rule.</p>\n@see RuleAction*/",
  "getterMethodName" : "getRuleAction",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RuleAction",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ruleAction",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RuleAction",
  "operationName" : "tgdmspec",
  "protocol" : "http",
  "resourcePath" : null,
  "responseContentModels" : {
    "application/json" : null,
    "application/x-amz-json-1.1" : null
  },
  "responseMethodSignature" : null,
  "responseParameterModels" : null,
  "responseModel" : null,
  "serializeWith" : "jaxb-2.1",
  "serviceOperationModels" : {
    "tgdmspec" : null,
    "tgdmspec/2018-06-25" : null
  },
  "serviceName" : "tgdmspec",
  "target" : "http://127.0.0.1:8000/tdmspec",
  "version" : "2018-06-25"
}
```
"setterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>\n@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n@see RuleAction*/",
"setterMethodName" : "setRuleAction",
"setterModel" : {
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    "variableName" : "ruleAction",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>\n@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RuleAction*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ruleAction",
    "variableType" : "String",
    "documentation" : "Indicates whether to allow or deny the traffic that matches the rule.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RuleNumber" : {
    "c2jName" : "RuleNumber",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.\n@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RuleNumber*/",
    "fluentSetterDocumentation" : "Indicates whether to allow or deny the traffic that matches the rule.\n@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RuleNumber*/",
    "fluentSetterMethodName" : "withRuleNumber",
    "getterDocumentation" : "\n@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.\n@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RuleNumber*/",
    "getterMethodName" : "getRuleNumber",
    "getterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "ruleNumber",
        "variableType" : "Integer",
        "documentation" : "",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    }
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"xmlNameSpaceUri" : null
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"returnType" : "Integer",
"documentation" : null
}
"http" : {
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   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "RuleNumber",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ruleNumber",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRuleNumber",
"setterModel" : {
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   "variableName" : "ruleNumber",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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   "variableName" : "ruleNumber",
   "variableType" : "Integer"}
"variableType" : "Integer",
"documentation" : "<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkAclId", "RuleNumber", "Protocol", "RuleAction", "Egress" ],
"shapeName" : "CreateNetworkAclEntryRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "CreateNetworkAclEntryRequest",
 "variableName" : "createNetworkAclEntryRequest",
 "variableType" : "CreateNetworkAclEntryRequest",
 "documentation" : null,
 "simpleType" : "CreateNetworkAclEntryRequest",
 "variableSetterType" : "CreateNetworkAclEntryRequest"
 },
"wrapper" : false
,
"CreateNetworkAclEntryResult" : {
 "c2jName" : "CreateNetworkAclEntryResult",
 "customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : null,
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : null,
 "membersAsMap" : { },
 "requestSignerAware" : false,
 "requestSignerClassFqcn" : null,
 "required" : null,
 "shapeName" : "CreateNetworkAclEntryResult",}
"unmarshaller" : {
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    "resultWrapper" : null
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"variable" : {
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    "variableName" : "createNetworkAclEntryResult",
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    "documentation" : null,
    "simpleType" : "CreateNetworkAclEntryResult",
    "variableSetterType" : "CreateNetworkAclEntryResult"
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"wrapper" : false
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"CreateNetworkAclRequest" : {
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    "customization" : {
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CreateNetworkAcl.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "CreateNetworkAcl",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [{
        "c2jName" : "VpcId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the VPC.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p><!
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withVpcId",
        "getterDocumentation" : "/**<p>The ID of the VPC.</p><!
@return The ID of the VPC.
*/",}]}
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the VPC.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
        "getterDocumentation" : "/<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
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            "returnType" : "String",
            "documentation" : null
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "vpcId",
            "uri" : false
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        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "VpcId",
        "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
        "setterMethodName" : "setVpcId",
        "setterModel" : {
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            "variableName" : "vpcId",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        }
    }
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the VPC.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
        "getterDocumentation" : "/<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
        "getterMethodName" : "getVpcId",
        "getterModel" : {
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            "documentation" : null
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            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
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            "statusCode" : false,
            "unmarshallLocationName" : "vpcId",
            "uri" : false
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        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
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        "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
        "setterMethodName" : "setVpcId",
        "setterModel" : {
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            "variableName" : "vpcId",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        }
    }
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"membersAsMap" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the VPC.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
        "getterDocumentation" : "/<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
        "getterMethodName" : "getVpcId",
        "getterModel" : {
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            "documentation" : null
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            "isStreaming" : false,
            "location" : null,
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            "statusCode" : false,
            "unmarshallLocationName" : "vpcId",
            "uri" : false
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        "idempotencyToken" : false,
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        "listModel" : null,
        "map" : false,
        "mapModel" : null,
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        "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@returns The ID of the VPC.*/",
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        "setterModel" : {
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            "variableName" : "vpcId",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        }
    }
}
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The ID of the VPC.</p>\n@\param \textit{vpcId} The ID of the VPC.\n\}@\return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "\<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
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"unmarshaller" : null,
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  "variableDeclarationType" : "CreateNetworkAclRequest",
  "variableName" : "createNetworkAclRequest",
  "variableType" : "CreateNetworkAclRequest",
  "documentation" : null,
  "simpleType" : "CreateNetworkAclRequest",
  "variableSetterType" : "CreateNetworkAclRequest"
},
"wrapper" : false
},
"CreateNetworkAclResult" : {
  "c2jName" : "CreateNetworkAclResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\<p>Contains the output of CreateNetworkAcl.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "NetworkAcl",
    "variableDeclarationType" : "NetworkAcl",
    "variableName" : "networkAcl",
    "variableType" : "NetworkAcl",
    "documentation" : "\<p>The network acl that was created.\n\</p>",
    "simpleType" : "NetworkAcl",
    "variableSetterType" : "NetworkAcl"
  }]
"c2jShape" : "NetworkAcl",
"deprecated" : false,
"documentation" : "<p>Information about the network ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the network ACL.</p>\n@param networkAcl
Information about the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkAcl",
"getterDocumentation" : "/**<p>Information about the network ACL.</p>\n@return Information about the network ACL.
*/",
"getterMethodName" : "getNetworkAcl",
"getterModel" : {
"returnType" : "NetworkAcl",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAcl",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAcl",
"setterDocumentation" : "/**<p>Information about the network ACL.</p>\n@param networkAcl
Information about the network ACL.\n*/",
"setterMethodName" : "setNetworkAcl",
"setterModel" : {
"variableDeclarationType" : "NetworkAcl",
"variableName" : "networkAcl",
"variableType" : "NetworkAcl",
"documentation" : "",
"simpleType" : "NetworkAcl",
"variableSetterType" : "NetworkAcl"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the network ACL.</p>
@param networkAcl
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "networkAcl",
    "variableType" : "NetworkAcl",
    "documentation" : "<p>Information about the network ACL.</p>",
    "simpleType" : "NetworkAcl",
    "variableSetterType" : "NetworkAcl"
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"xmlNameSpaceUri" : null
}
]
},
"membersAsMap" : {
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        "c2jName" : "NetworkAcl",
        "c2jShape" : "NetworkAcl",
        "deprecated" : false,
        "documentation" : "<p>Information about the network ACL.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about the network ACL.</p>
@param networkAcl
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withNetworkAcl",
        "getterDocumentation" : "/**<p>Information about the network ACL.</p>
@return Information about the network ACL.*/",
        "getterMethodName" : "getNetworkAcl",
        "getterModel" : {
            "returnType" : "NetworkAcl",
            "documentation" : null
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "NetworkAcl",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "networkAcl",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
Information about the network ACL.

@see CreateNetworkAclResult

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"CreateNetworkInterfaceRequest" : {
  "c2jName" : "CreateNetworkInterfaceRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateNetworkInterface.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the subnet to associate with the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the subnet to associate with the network interface.</p>
@returns A reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSubnetId",
    "getterDocumentation" : "/**<p>The ID of the subnet to associate with the network interface.</p>\n@returns The ID of the subnet to associate with the network interface.*/",
    "getterMethodName" : "getSubnetId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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"location": null,
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"unmarshallLocationName": "subnetId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SubnetId",
"setterDocumentation": "/**<p>The ID of the subnet to associate with
the network interface.</p>
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network interface.*"",
"setterMethodName": "setSubnetId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the subnet to associate with
the network interface.</p>
@param subnetId The ID of the subnet to associate with the
network interface.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "<p>The ID of the subnet to associate with the
network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A description for the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A description for the network interface.</p>
@param description A description for the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*"",
"fluentSetterMethodName": "withDescription",
"getterDocumentation" : "/**\nA description for the network interface.*/\n\n@return A description for the network interface.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\nA description for the network interface.*/\n\n@param description A description for the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nA description for the network interface.*/\n\n@param description A description for the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the network interface.</p>"},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIpAddress",
"setterDocumentation": "/**\n<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n</p>@param privateIpAddress The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setPrivateIpAddress",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "privateIpAddress",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n</p>@param privateIpAddress The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "privateIpAddress",
"variableType": "String",
"documentation": "<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{ "c2jName": "Groups",
"c2jShape": "SecurityGroupIdStringList",
"deprecated": false,
"documentation" : "<p>The IDs of one or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@return The IDs of one or more security groups.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return \n*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
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  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SecurityGroupId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SecurityGroupId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member */",
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "SecurityGroupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groups",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of one or more security groups.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
  },
  "xmlNameSpaceUri" : null
},
{
  "c2jName" : "PrivateIpAddresses",
  "c2jShape" : "PrivateIpAddressSpecificationList",
  "deprecated" : false,
  "documentation" : "<p>One or more private IPv4 addresses.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more private IPv4 addresses.</p>
@param privateIpAddresses One or more private IPv4 addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddresses",
  "getterDocumentation" : "/**<p>One or more private IPv4 addresses.</p>

```
addresses.*/",
  "getterMethodName" : "getPrivateIpAddresses",
  "getterModel" : {
    "returnType" : "java.util.List<PrivateIpAddressSpecification>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PrivateIpAddresses",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "privateIpAddresses",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "PrivateIpAddressSpecification",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "PrivateIpAddressSpecification",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
"setterDocumentation": "/**<p>One or more private IPv4 addresses. @param privateIpAddresses One or more private IPv4 addresses.</p>*/",
"setterMethodName": "setPrivateIpAddresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<PrivateIpAddressSpecification>",
  "documentation": "",
  "simpleType": "List<PrivateIpAddressSpecification>",
  "variableSetterType": "java.util.Collection<PrivateIpAddressSpecification>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more private IPv4 addresses. <b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPrivateIpAddresses(java.util.Collection)} or{@link #withPrivateIpAddresses(java.util.Collection)} if you want to override the existing values.</p>@param privateIpAddresses One or more private IPv4 addresses.</param><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<PrivateIpAddressSpecification>",
  "documentation": "One or more private IPv4 addresses.",
  "simpleType": "List<PrivateIpAddressSpecification>",
  "variableSetterType": "java.util.Collection<PrivateIpAddressSpecification>"
},
"xmlNamespaceUri": null
},
"c2jName": "SecondaryPrivateIpAddressCount",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.</p> <p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"enumType": null,
"fluentSetterDocumentation": "<p>The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.</p> <p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a></p>",
"enumName": "AvailableIpPerENI"}
When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `<code>privateIpAddresses</code>`.

The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.

```java
public Integer getSecondaryPrivateIpAddressCount() {
    return secondaryPrivateIpAddressCount;
}
```

```java
public void setSecondaryPrivateIpAddressCount(Integer secondaryPrivateIpAddressCount) {
    this.secondaryPrivateIpAddressCount = secondaryPrivateIpAddressCount;
    this.secondaryPrivateIpAddressCountIsNull = false;
}
```

```
/**
 * The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.
 *
 * The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
 *
 * @return The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.
 *
 * The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
 */
```
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**
<p>The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.</p>
<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.</p>
<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setSecondaryPrivateIpAddressCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "secondaryPrivateIpAddressCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.</p>
<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.</p>
<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "secondaryPrivateIpAddressCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"}
varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.

You can't use this option if you're specifying a number of IPv6 addresses.

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You can't use this option if you're specifying a number of IPv6 addresses.
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "InstanceIpv6Address",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "InstanceIpv6Address",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
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    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member */",
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "InstanceIpv6Address",
    "variableName": "member",
    "variableType": "InstanceIpv6Address",
    "documentation": "",
    "simpleType": "InstanceIpv6Address",
    "variableSetterType": "InstanceIpv6Address"
  },
  "simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceIpv6Address",
  "variableName": "member",
  "variableType": "InstanceIpv6Address",
  "documentation": "",
  "simpleType": "InstanceIpv6Address",
  "variableSetterType": "InstanceIpv6Address"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InstanceIpv6Address",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceIpv6Address",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType": "java.util.List<InstanceIpv6Address>"
},
"map": false,
"mapModel": null,
"name": "Ipv6Addresses",
"setterDocumentation": "/**<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your
subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>
@param ipv6Addresses One
or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're
specifying a number of IPv6 addresses.*="/",
"setterMethodName": "setIpv6Addresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>"",
  "variableName": "ipv6Addresses",
  "variableType": "java.util.List<InstanceIpv6Address>"",
  "documentation": "",
  "simpleType": "List<InstanceIpv6Address>",
  "variableSetterType": "java.util.Collection<InstanceIpv6Address>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your
subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>
<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use { @link #setIpv6Addresses(java.util.Collection)} or
{ @link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p>
@param ipv6Addresses One
or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're
specifying a number of IPv6 addresses.*="/",
"return": "@return Returns a reference to this object so that
method calls can be chained together."/"
You can't use this option if you're specifying a number of IPv6 addresses.

The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. If your subnet has the `AssignIpv6AddressOnCreation` attribute set to `true`, you can specify `0` to override this setting.

The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. If your subnet has the `AssignIpv6AddressOnCreation` attribute set to `true`, you can specify `0` to override this setting.

Returns a reference to this object so that method calls can be chained together.

The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. If your subnet has the `AssignIpv6AddressOnCreation` attribute set to `true`, you can specify `0` to override this setting.
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6AddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Ipv6AddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>

@param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>

@param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>

@param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/"
you can specify `<code>0</code>` to override this setting.

```xml
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
 "Description" : {
 "c2jName" : "Description",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "A description for the network interface."
 },
"http" : {  
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Description",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "description",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Description",
 "setterDocumentation" : "A description for the network interface.

@param description A description for the network interface.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * @param description A description for the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"setterMethodName" : "setDescription",
"getterDocumentation" : "A description for the network interface.

@return A description for the network interface.

/"
"getterMethodName" : "getDescription",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "A description for the network interface.

@param description A description for the network interface.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * @param description A description for the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"setterMethodName" : "setDescription",
"getterDocumentation" : "A description for the network interface.

@return A description for the network interface.

/"
"getterMethodName" : "getDescription",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "A description for the network interface.

@param description A description for the network interface.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * @param description A description for the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"setterMethodName" : "setDescription",
"getterDocumentation" : "A description for the network interface.

@return A description for the network interface.

/"
"getterMethodName" : "getDescription",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "A description for the network interface.

@param description A description for the network interface.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * @param description A description for the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"setterMethodName" : "setDescription",
"getterDocumentation" : "A description for the network interface.

@return A description for the network interface.

/"
"getterMethodName" : "getDescription",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "A description for the network interface.

@param description A description for the network interface.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * @param description A description for the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"setterMethodName" : "setDescription",
"getterDocumentation" : "A description for the network interface.

@return A description for the network interface.

/"}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the network interface.</p>
@param description A description for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the network interface.</p>
  ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Groups" : {
  "c2jName" : "Groups",
  "c2jShape" : "SecurityGroupIdStringList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of one or more security groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
  @param groups The IDs of one or more security groups.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
  @return The IDs of one or more security groups.*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "SimpleType" : "String",
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
"marshallLocationName": "SecurityGroupId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SecurityGroupId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "SecurityGroupId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "SecurityGroupId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n     * @param */",
  }
}
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The IDs of one or more security groups.</p>

<code>NOTE:</code> This method appends the values to the existing list (if any). Use <code>@link #setGroups(java.util.Collection)</code> or <code>@link #withGroups(java.util.Collection)</code> if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IDs of one or more security groups.</p>

<code>simpleType</code> : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
"Ipv6AddressCount" : {
  "c2jName" : "Ipv6AddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>\n
<code>enumType</code> : null,
  "fluentSetterDocumentation" : "/*<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6AddressCount",
  "getterDocumentation" : "/*<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>\n@return The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.*/",
  "getterMethodName" : "getIpv6AddressCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
}
The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.

```
@Param ipv6AddressCount

In param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.

/**
 * The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.
 *
 * @param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"variableDeclarationType" : "Integer",
"variableName" : "ipv6AddressCount",
"variableType" : "Integer",
"documentation" : "<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Ipv6Addresses" : {
"c2jName" : "Ipv6Addresses",
"c2jShape" : "InstanceIpv6AddressList",
"deprecated" : false,
"documentation" : "<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>\n@param ipv6Addresses One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>\n@return One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<InstanceIpv6Address>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Addresses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6Addresses",
"uri" : false
{"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InstanceIpv6Address",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "InstanceIpv6Address",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n     * @param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "InstanceIpv6Address",
      "variableName": "member",
      "variableType": "InstanceIpv6Address"}
"documentation" : "",
"simpleType" : "InstanceIpv6Address",
"variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceIpv6Address",
"variableName" : "member",
"variableType" : "InstanceIpv6Address",
"documentation" : "",
"simpleType" : "InstanceIpv6Address",
"variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>

@param ipv6Addresses One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>

**NOTE:**

setterMethodName" : "setIpv6Addresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>

**NOTE:**
This method appends the values to the existing list (if any). Use [@link #setIpv6Addresses(java.util.Collection)] or [@link #withIpv6Addresses(java.util.Collection)] if you want to override the existing values.<p>

- **@param ipv6Addresses** One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.

- **@return** Returns a reference to this object so that method calls can be chained together.*/

  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
    "variableName": "ipv6Addresses",
    "variableType": "java.util.List<InstanceIpv6Address>",
    "documentation": "<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
    "simpleType": "List<InstanceIpv6Address>",
    "variableSetterType": "java.util.Collection<InstanceIpv6Address>"
  },
  "xmlNameSpaceUri": null
},

"PrivateIpAddress": {
  "c2jName": "PrivateIpAddress",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).</p>

  - **@param privateIpAddress** The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).

  - **@return** Returns a reference to this object so that method calls can be chained together.*/"

  "fluentSetterMethodName": "withPrivateIpAddress",
  "getterDocumentation": "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).</p>

  - **@return** The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).*/"

  "getterMethodName": "getPrivateIpAddress",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**\n* The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n* @param privateIpAddress The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n* @param privateIpAddress The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",}
"documentation": "The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"PrivateIpAddresses": {
"c2jName": "PrivateIpAddresses",
"c2jShape": "PrivateIpAddressSpecificationList",
"deprecated": false,
"documentation": "One or more private IPv4 addresses.

**@param privateIpAddresses**
One or more private IPv4 addresses.

**@return** Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterDocumentation": "One or more private IPv4 addresses.

**@param privateIpAddresses**
One or more private IPv4 addresses.

**@return** One or more private IPv4 addresses.
",
"getterDocumentation": "One or more private IPv4 addresses.

**@return** One or more private IPv4 addresses.
",
"getterMethodName": "getPrivateIpAddresses",
"getterModel": {
"returnType": "java.util.List<PrivateIpAddressSpecification>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrivateIpAddresses",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateIpAddresses",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"fluentSetterType": "String",
"variableSetterType": "String"
}
"c2jShape" : "PrivateIpAddressSpecification",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "PrivateIpAddressSpecification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PrivateIpAddressSpecification",
  "variableName" : "member",
  "variableType" : "PrivateIpAddressSpecification",
  "documentation" : "",
  "simpleType" : "PrivateIpAddressSpecification",
  "variableSetterType" : "PrivateIpAddressSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "PrivateIpAddressSpecification",
"variableName" : "member",
"variableType" : "PrivateIpAddressSpecification",
"documentation" : "",
"simpleType" : "PrivateIpAddressSpecification",
"variableSetterType" : "PrivateIpAddressSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrivateIpAddressSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrivateIpAddressSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"templateType" : "java.util.List<PrivateIpAddressSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/*\n**<p>One or more private IPv4 addresses.</p>
@param privateIpAddresses One or more private IPv4 addresses.*/

@method setPrivateIpAddresses",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
    "variableName" : "privateIpAddresses",
    "variableType" : "java.util.List<PrivateIpAddressSpecification>",
    "documentation" : "",
    "simpleType" : "List<PrivateIpAddressSpecification>",
    "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
}
},
"simple" : false,
"varargSetterDocumentation" : "/*\n**<p>One or more private IPv4 addresses.</p>

@method withPrivateIpAddresses(java.util.Collection) or
@method withPrivateIpAddresses(java.util.Collection) if you want to override the existing values.*/

@param privateIpAddresses One or more private IPv4 addresses.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
    "variableName" : "privateIpAddresses",
    "variableType" : "java.util.List<PrivateIpAddressSpecification>",
    "documentation" : "<p>One or more private IPv4 addresses.</p>",
    "simpleType" : "List<PrivateIpAddressSpecification>",
    "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
"xmlNameSpaceUri" : null,
}
,"SecondaryPrivateIpAddressCount" : {
  "c2jName" : "SecondaryPrivateIpAddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p> The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"},
"enumType" : null,
"fluentSetterDocumentation" : "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"</p><p>@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>
@return The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"</p>
"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"</p><p>@return The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.<p>The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"</p><p>"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
}
**SecondaryPrivateIpAddressCount**

The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>. The number of IP addresses you can assign to a network interface varies by instance type. For more information, see the Amazon Virtual Private Cloud User Guide.

In the following code snippet, the <code>setSecondaryPrivateIpAddressCount</code> method sets the number of secondary private IPv4 addresses:

```java
public void setSecondaryPrivateIpAddressCount(int secondaryPrivateIpAddressCount) {
    // Code to set the number of secondary private IPv4 addresses
}
```

The documentation for this method includes examples of how to use it in practice.
the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using
<code>privateIpAddresses</code>.

The number of IP addresses you can assign to a network interface varies by instance type. For more information, see "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using
<code>privateIpAddresses</code>."

The number of IP addresses you can assign to a network interface varies by instance type. For more information, see "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using
<code>privateIpAddresses</code>."
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet to associate with the network interface.</p>
@param subnetId The ID of the subnet to associate with the network interface.</param>*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet to associate with the network interface.</p>
@param subnetId The ID of the subnet to associate with the network interface.</param>*/

@return Returns a reference to this object so that method calls can be chained together.<*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet to associate with the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SubnetId" ],
"shapeName": "CreateNetworkInterfaceRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "CreateNetworkInterfaceRequest",
  "variableName": "createNetworkInterfaceRequest",
  "variableType": "CreateNetworkInterfaceRequest",
  "documentation": null,
  "simpleType": "CreateNetworkInterfaceRequest",
  "variableSetterType": "CreateNetworkInterfaceRequest"
},
"wrapper": false,
"CreateNetworkInterfaceResult": {
  "c2jName": "CreateNetworkInterfaceResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateNetworkInterface.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    {
      "c2jName": "NetworkInterface",
      "c2jShape": "NetworkInterface",
      "deprecated": false,
      "documentation": "<p>Information about the network interface.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>Information about the network interface.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withNetworkInterface",
      "getterDocumentation": "/**<p>Information about the network interface.</p>\n@returns Information about the network interface.*/",
      "getterMethodName": "getNetworkInterface",
      "getterModel": {
        "returnType": "NetworkInterface",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
      }
    }
  ]
}
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterface",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterface",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterface",
"setterDocumentation": "/**<p>Information about the network interface.</p>
@param networkInterface
Information about the network interface.<p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNetworkInterface",
"setterModel": {
  "variableDeclarationType": "NetworkInterface",
  "variableName": "networkInterface",
  "variableType": "NetworkInterface",
  "documentation": "",
  "simpleType": "NetworkInterface",
  "variableSetterType": "NetworkInterface"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the network interface.</p>
@param networkInterface
Information about the network interface.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "NetworkInterface",
  "variableName": "networkInterface",
  "variableType": "NetworkInterface",
  "documentation": "<p>Information about the network interface.</p>",
  "simpleType": "NetworkInterface",
  "variableSetterType": "NetworkInterface"
},
"xmlnsSpaceUri": null
}],
"membersAsMap": {
  "NetworkInterface": {
    "c2jName": "NetworkInterface",
    "c2jShape": "NetworkInterface",
    "c2jName": "NetworkInterface",
    "c2jShape": "NetworkInterface"}}}
deprecated": false,
"documentation": "Information about the network interface.

"enumType": null,
"fluentSetterDocumentation": "Information about the network interface.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "withNetworkInterface",
"getterDocumentation": "Information about the network interface.

@return Information about the network interface.

"getterMethodName": "getNetworkInterface",
"getterModel": {
  "returnType": "NetworkInterface",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NetworkInterface",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "networkInterface",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterface",
"setterDocumentation": "Information about the network interface.

@param networkInterface Information about the network interface.

@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName": "setNetworkInterface",
"setterModel": {
  "variableDeclarationType": "NetworkInterface",
  "variableName": "networkInterface",
  "variableType": "NetworkInterface",
  "documentation": "",
  "simpleType": "NetworkInterface",
  "variableSetterType": "NetworkInterface"
},
"simple": false,
"varargSetterDocumentation": "Information about the network interface.

@param networkInterface Information about the network interface.

@return Returns a reference to this object so that method calls can be chained together."
networkInterface Information about the network interface.

@return Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
  "variableDeclarationType" : "NetworkInterface",
  "variableName" : "networkInterface",
  "variableType" : "NetworkInterface",
  "documentation" : "<p>Information about the network interface.</p>",
  "simpleType" : "NetworkInterface",
  "variableSetterType" : "NetworkInterface"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateNetworkInterfaceResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateNetworkInterfaceResult",
  "variableName" : "createNetworkInterfaceResult",
  "variableType" : "CreateNetworkInterfaceResult",
  "documentation" : null,
  "simpleType" : "CreateNetworkInterfaceResult",
  "variableSetterType" : "CreateNetworkInterfaceResult"
},
"wrapper" : false
},
"CreatePlacementGroupRequest" : {
  "c2jName" : "CreatePlacementGroupRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreatePlacementGroup.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {

"action": "CreatePlacementGroup",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {
"c2jName": "GroupName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@param groupName A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withGroupName",
"getterDocumentation": "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@return A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters*/",
"getterMethodName": "getGroupName",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "GroupName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "groupName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupName",
"setterDocumentation": "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@param groupName A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@return A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters*/",
"setterMethodName": "setGroupName",
"setterModel": {
"fluentSetterDocumentation": "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@param groupName A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withGroupName",
"getterDocumentation": "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@return A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters*/",
"getterMethodName": "getGroupName",
"getterModel": {
"returnType": "String",
"documentation": null
}
}
"isStreaming": false,
"location": null,
"marshallLocationName": "Strategy",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "strategy",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Strategy",
"setterDocumentation": "/**\n<p>The placement strategy.</p>
@param strategy The placement strategy.\n@see PlacementStrategy*/",
"setterMethodName": "setStrategy",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "strategy",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\nThe placement strategy.\n@param strategy The placement strategy.\n@return Returns a reference to this object so that method calls can be chained together.\n@see PlacementStrategy*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "strategy",
  "variableType": "String",
  "documentation": "<p>The placement strategy.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "GroupName": {
    "c2jName": "GroupName",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>A name for the placement group.\n<p>Constraints: Up to 255 ASCII characters</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n<p>A name for the placement group.\n<p>Constraints: Up to 255 ASCII characters</p>"
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "<p>A name for the placement group.</p>
<p>Constraints: Up to 255 ASCII characters</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Strategy" : {
"c2jName" : "Strategy",
"c2jShape" : "PlacementStrategy",
"deprecated" : false,
"documentation" : "<p>The placement strategy.</p>",
"enumType" : "PlacementStrategy",
"fluentSetterDocumentation" : "/**<p>The placement strategy.</p>
@param strategy The placement strategy.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementStrategy*/",
"fluentSetterMethodName" : "withStrategy",
"getterDocumentation" : "/**<p>The placement strategy.</p>
@return The placement strategy.
@see PlacementStrategy*/",
"getterMethodName" : "getStrategy",
"getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Strategy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "strategy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Strategy",}
**setterDocumentation**:  
```markdown
The placement strategy.

@param strategy The placement strategy.

@see PlacementStrategy*/
```

**setterMethodName**: "setStrategy",

**setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "strategy",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

**simple**: true,

**varargSetterDocumentation**:  
```markdown
The placement strategy.

@param strategy The placement strategy.

@return Returns a reference to this object so that method calls can be chained together.

@see PlacementStrategy*/
```

**variable**: {
  "variableDeclarationType": "String",
  "variableName": "strategy",
  "variableType": "String",
  "documentation": "The placement strategy.

@see PlacementStrategy*/"
},

**xmlNameSpaceUri**: null
}
",

**requestSignerAware**: false,

**requestSignerClassFqcn**: null,

**required**: [ "GroupName", "Strategy" ],

**shapeName**: "CreatePlacementGroupRequest",

**unmarshaller**: null,

**variable**: {
  "variableDeclarationType": "CreatePlacementGroupRequest",
  "variableName": "createPlacementGroupRequest",
  "variableType": "CreatePlacementGroupRequest",
  "documentation": null,
  "simpleType": "CreatePlacementGroupRequest",
  "variableSetterType": "CreatePlacementGroupRequest"
},

**wrapper**: false
",

**CreatePlacementGroupResult**: {
  "c2jName": "CreatePlacementGroupResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  }
}
"CreateReservedInstancesListingRequest" : {
    "c2jName" : "CreateReservedInstancesListingRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "CreateReservedInstancesListing",
        "flattened" : false,
        "resultWrapper" : null
    },
    "wrapper" : false
},
"CreatePlacementGroupResult" : {
    "c2jName" : "CreatePlacementGroupResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : null,
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "variableDeclarationType" : "CreatePlacementGroupResult",
        "variableName" : "createPlacementGroupResult",
        "variableType" : "CreatePlacementGroupResult",
        "documentation" : null,
        "simpleType" : "CreatePlacementGroupResult",
        "variableSetterType" : "CreatePlacementGroupResult"
    },
    "wrapper" : false
}
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the active Standard Reserved Instance. \n@param reservedInstancesId The ID of the active Standard Reserved Instance. \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "<p>The ID of the active Standard Reserved Instance.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "InstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call. \n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/** <p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>\n@return The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call. */",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceCount",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceCount",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount",
"setterDocumentation": "/**\n<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>\n
@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*/",
"setterMethodName": "setInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\n\n@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "documentation": "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>"},
"variableSetterType" : "Integer",
},
"xmlNameSpaceUri" : null
},
	{
"c2jName" : "PriceSchedules",
"c2jShape" : "PriceScheduleSpecificationList",
"deprecated" : false,
"documentation" : "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
@param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPriceSchedules",
"getterDocumentation" : "/**<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
@return A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.*/",
"getterMethodName" : "getPriceSchedules",
"getterModel" : {
"returnType" : "java.util.List<PriceScheduleSpecification>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PriceSchedules",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "priceSchedules",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PriceScheduleSpecification",
"deprecated" : false,
"documentation" : "",
"xmlNameSpaceUri" : null
},
"listMemberGenericType" : "com.amazonaws.model.PriceScheduleSpecification",
"marshallLocationName" : "PriceSchedules",
"marshallLocationClassName" : "com.amazonaws.model.PriceScheduleSpecification",
"resourcePath" : "priceSchedules",
"unmarshallLocationName" : "priceSchedules",
"unmarshallLocationClassName" : "com.amazonaws.model.PriceScheduleSpecification"}
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "PriceScheduleSpecification",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "PriceScheduleSpecification",
"variableName": "member",
"variableType": "PriceScheduleSpecification",
"documentation": "",
"simpleType": "PriceScheduleSpecification",
"variableSetterType": "PriceScheduleSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "PriceScheduleSpecification",
"variableName": "member",
"variableType": "PriceScheduleSpecification"}
Unique, case-sensitive identifier you provide to ensure idempotency of your listings.
This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```java
/*

* @return Returns a reference to this object so that method calls can be chained together.
*/

```

```

Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```

```

```java

```

```java

```
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
</p>\n\n"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n</p>"}}

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of your listings. This helps avoid duplicate listings. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings.

This helps avoid duplicate listings. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>

\</p>

\param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\</p>

\enumType" : null,
"instanceCount" : {
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\</p>"
},
"fluentSetterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceCount",
```
"getterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\</p>@return The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*/",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceCount",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\</p>@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account..."
to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.

@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.

@return Returns a reference to this object so that method calls can be chained together.

```java
private Integer instanceCount = null;

public Integer getInstanceCount() {
    return instanceCount;
}

public void setInstanceCount(Integer instanceCount) {
    this.instanceCount = instanceCount;
}

private java.util.List<PriceScheduleSpecification> priceSchedules = null;

public java.util.List<PriceScheduleSpecification> getPriceSchedules() {
    return priceSchedules;
}

public void setPriceSchedules(java.util.List<PriceScheduleSpecification> priceSchedules) {
    this.priceSchedules = priceSchedules;
}
```
"statusCode" : false,
"unmarshallLocationName" : "priceSchedules",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PriceScheduleSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PriceScheduleSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {

"variableDeclarationType" : "PriceScheduleSpecification",
"variableName" : "member",
"variableType" : "PriceScheduleSpecification",
"documentation" : "",
"simpleType" : "PriceScheduleSpecification",
"variableSetterType" : "PriceScheduleSpecification"
],
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PriceScheduleSpecification",
"variableName" : "member",
"variableType" : "PriceScheduleSpecification",
"documentation" : "",
"simpleType" : "PriceScheduleSpecification",
"variableSetterType" : "PriceScheduleSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PriceScheduleSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PriceScheduleSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
"templateType" : "java.util.List<PriceScheduleSpecification>
],
"map" : false,
"mapModel" : null,
"name" : "PriceSchedules",
"setterDocumentation" : "/**<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
@param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.*/",
"setterMethodName" : "setPriceSchedules",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
"variableName" : "priceSchedules",
"variableType" : "java.util.List<PriceScheduleSpecification>",
"documentation" : "",
"simpleType" : "List<PriceScheduleSpecification>",
"variableSetterType" : "java.util.Collection<PriceScheduleSpecification>
]",
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>\n*/
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPriceSchedules(java.util.Collection)} or {@link #withPriceSchedules(java.util.Collection)} if you want to override the existing values.</p>
\n@n@param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.
\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
  "variableName" : "priceSchedules",
  "variableType" : "java.util.List<PriceScheduleSpecification>",
  "documentation" : "A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.",
  "simpleType" : "List<PriceScheduleSpecification>",
  "variableSetterType" : "java.util.Collection<PriceScheduleSpecification>",
},
"xmlNameSpaceUri" : null,

"ReservedInstancesId" : {
  "c2jName" : "ReservedInstancesId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the active Standard Reserved Instance.
\n@n@param reservedInstancesId The ID of the active Standard Reserved Instance.
\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
\n@return The ID of the active Standard Reserved Instance.*/

"getMethodNamed" : "getReservedInstancesId",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : true,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesId",
  "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.*/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "reservedInstancesId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "reservedInstancesId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the active Standard Reserved Instance.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ReservedInstancesId", "InstanceCount", "PriceSchedules", "ClientToken" ],
"shapeName" : "CreateReservedInstancesListingRequest",
"unmarshaller" : null,
"variable" : {
   "variableDeclarationType" : "CreateReservedInstancesListingRequest",
   "variableName" : "createReservedInstancesListingRequest",
   "variableType" : "CreateReservedInstancesListingRequest",
   "documentation" : null,
   "simpleType" : "CreateReservedInstancesListingRequest",
   "variableSetterType" : "CreateReservedInstancesListingRequest"
},
"wrapper" : false}
"CreateReservedInstancesListingResult" : {
   "c2jName" : "CreateReservedInstancesListingResult",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "<p>Contains the output of CreateReservedInstancesListing.</p>",
   "enums" : null,
   "errorCode" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
   "marshaller" : null,
   "members" : [ {
      "c2jName" : "ReservedInstancesListings",
      "c2jShape" : "ReservedInstancesListingList",
      "deprecated" : false,
      "documentation" : "<p>Information about the Standard Reserved Instance listing.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the Standard Reserved Instance listing.</p>\n@param
reservedInstancesListings Information about the Standard Reserved Instance listing.\n@return Returns a reference to
this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withReservedInstancesListings",
      "getterDocumentation" : "/**<p>Information about the Standard Reserved Instance listing.</p>\n@return Information about the Standard Reserved Instance listing.*/",
      "getterMethodName" : "getReservedInstancesListings",
      "getterModel" : {
         "returnType" : "java.util.List<ReservedInstancesListing>",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
         "location" : null,
         "marshallLocationName" : "ReservedInstancesListingsSet",
         "queryString" : false,
         "statusCode" : false,
         "unmarshallLocationName" : "reservedInstancesListingsSet",
         "uri" : false
      }
   }]
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesListing",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstancesListing",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member
     * @return */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "ReservedInstancesListing",
      "variableName" : "member",
      "variableType" : "ReservedInstancesListing",
    }
  }
}
"documentation": "",
"simpleType": "ReservedInstancesListing",
"variableSetterType": "ReservedInstancesListing"
},
"simple": false,
"varargSetterDocumentation": "/*\n@member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ReservedInstancesListing",
"variableName": "member",
"variableType": "ReservedInstancesListing",
"documentation": "",
"simpleType": "ReservedInstancesListing",
"variableSetterType": "ReservedInstancesListing"
},
"simple": false,
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstancesListing",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstancesListing",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType": "java.util.List<ReservedInstancesListing>"
},
"map": false,
"mapModel": null,
"name": "ReservedInstancesListings",
"setterDocumentation": "/**

Information about the Standard Reserved Instance listing.

This method appends the values to the existing list (if any). Use @link #setReservedInstancesListings(java.util.Collection) or @link #withReservedInstancesListings(java.util.Collection) if you want to override the existing values.

*/",
"setterMethodName": "setReservedInstancesListings",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>"
,"variableName": "reservedInstancesListings",
"variableType": "java.util.List<ReservedInstancesListing>",
"documentation": "",
"simpleType": "List<ReservedInstancesListing>",
"variableSetterType": "java.util.Collection<ReservedInstancesListing>"
},
"simple": false,
"varargSetterDocumentation": "/**

Information about the Standard Reserved Instance listing.

NOTE: This method appends the values to the existing list (if any). Use @link #setReservedInstancesListings(java.util.Collection) or @link #withReservedInstancesListings(java.util.Collection) if you want to override the existing values.

*/

@"
reservedInstancesListings Information about the Standard Reserved Instance listing.

@return Returns a reference to this object so that method calls can be chained together.

   "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
      "variableName" : "reservedInstancesListings",
      "variableType" : "java.util.List<ReservedInstancesListing>",
      "documentation" : "Information about the Standard Reserved Instance listing.",
      "simpleType" : "List<ReservedInstancesListing>",
      "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
   },
   "xmlNameSpaceUri" : null
  }],
  "membersAsMap" : {
    "ReservedInstancesListings" : {
      "c2jName" : "ReservedInstancesListings",
      "c2jShape" : "ReservedInstancesListingList",
      "deprecated" : false,
      "documentation" : "Information about the Standard Reserved Instance listing.",
      "enumType" : null,
      "fluentSetterDocumentation" : "Information about the Standard Reserved Instance listing.

@param reservedInstancesListings Information about the Standard Reserved Instance listing.

@return Returns a reference to this object so that method calls can be chained together.

   "fluentSetterMethodName" : "withReservedInstancesListings",
   "getterDocumentation" : "Information about the Standard Reserved Instance listing.

@return Information about the Standard Reserved Instance listing.

   "getterMethodName" : "getReservedInstancesListings",
   "getterModel" : {
      "returnType" : "java.util.List<ReservedInstancesListing>",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesListingsSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservedInstancesListingsSet",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : true,
   "listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "ReservedInstancesListing",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
  @param member
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
  @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "ReservedInstancesListing",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
  @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "ReservedInstancesListing",
    "variableName" : "member",
    "variableType" : "ReservedInstancesListing",
    "documentation" : "",
    "simpleType" : "ReservedInstancesListing",
    "variableSetterType" : "ReservedInstancesListing"
  }
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/**<p>Information about the Standard Reserved Instance listing.</p>
@param reservedInstancesListings Information about the Standard Reserved Instance listing.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesListing>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Standard Reserved Instance listing.</p>
<html><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesListings(java.util.Collection)} or {@link #withReservedInstancesListings(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>"
"variableName" : "reservedInstancesListings",
"variableType" : "java.util.List<ReservedInstancesListing>",
"documentation" : "<p>Information about the Standard Reserved Instance listing.</p>",
"simpleType" : "List<ReservedInstancesListing>",
"variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"xmlNameSpaceUri" : null
]
}
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateReservedInstancesListingResult",
"Unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CreateReservedInstancesListingResult",
"variableName" : "createReservedInstancesListingResult",
"variableType" : "CreateReservedInstancesListingResult",
"documentation" : null,
"simpleType" : "CreateReservedInstancesListingResult",
"variableSetterType" : "CreateReservedInstancesListingResult"
},
"wrapper" : false
}],
"CreateRouteRequest" : {
"c2jName" : "CreateRouteRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateRoute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CreateRoute",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table for the route.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the route table for the route.</p>\n@<param name="routeTableId" The ID of the route table for the route.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**<p>The ID of the route table for the route.</p>\n@return The ID of the route table for the route.*/",
  "getterMethodName" : "getRouteTableId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTableId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RouteTableId",
  "setterDocumentation" : "/**<p>The ID of the route table for the route.</p>\n@<param name="routeTableId" The ID of the route table for the route.*/",
  "setterMethodName" : "setRouteTableId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "routeTableId",
    "variableType" : "String",
  }
}
"destinationCidrBlock": "DestinationCidrBlock",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
  "enumType": null,
  "fluentSetterDocumentation": "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
  "fluentSetterMethodName": "withDestinationCidrBlock",
  "getterDocumentation": "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
  "getterMethodName": "getDestinationCidrBlock",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "DestinationCidrBlock",
    "queryString": false,
VPC.</p>
@return The ID of an Internet gateway or virtual private gateway attached to your VPC.
*/
getterMethodName" : "getGatewayId",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "gatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
"setterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>
@param gatewayId The ID of an Internet gateway or virtual private gateway attached to your VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/
setterMethodName" : "setGatewayId",
setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "gatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>
@param gatewayId The ID of an Internet gateway or virtual private gateway attached to your VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/
variable" : {
"variableDeclarationType" : "String",
"variableName" : "gatewayId",
"variableType" : "String",
"documentation" : "<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>
", "simpleType" : "String"}
"variableSetterType" : "String",
], "xmlNameSpaceUri" : null
], { "c2jName" : "DestinationIpv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on
the most specific match.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on
the most specific match.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR block used for the
destination match. Routing decisions are based on the most specific match.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationIpv6CidrBlock",
"getterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on
the most specific match.</p>
@return The IPv6 CIDR block used for the destination match.</p>
",
"getterMethodName" : "getDestinationIpv6CidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationIpv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationIpv6CidrBlock",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationIpv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on
the most specific match.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR block used for the
destination match. Routing decisions are based on the most specific match.</p>
",
"setterMethodName" : "setDestinationIpv6CidrBlock",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\nThe IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.\n\n@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
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    "documentation" : "The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.\n\n@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "EgressOnlyInternetGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\n\nIPv6 traffic only\nThe ID of an egress-only Internet gateway.\n\n@param egressOnlyInternetGatewayId IPv6 traffic only\nThe ID of an egress-only Internet gateway.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**\n\nIPv6 traffic only\nThe ID of an egress-only Internet gateway.\n\n@param egressOnlyInternetGatewayId IPv6 traffic only\nThe ID of an egress-only Internet gateway.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
  "getterDocumentation" : "/**\n\nIPv6 traffic only\nThe ID of an egress-only Internet gateway.\n\n@return IPv6 traffic only\nThe ID of an egress-only Internet gateway.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getEgressOnlyInternetGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"location" : null,
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"queryString" : false,
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"unmarshallLocationName" : "egressOnlyInternetGatewayId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "/**<p> [IPv6 traffic only] The ID of an egress-only Internet gateway. </p>@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway. */",
"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
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    "variableName" : "egressOnlyInternetGatewayId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
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    "variableName" : "egressOnlyInternetGatewayId",
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    "documentation" : "<p> [IPv6 traffic only] The ID of an egress-only Internet gateway. </p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p> The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p> The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.@return Returns a reference to this object so that method calls can be chained together. */"
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**\n<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>\n@return The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>\n@param instanceId The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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"variable" : {
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"variableType" : "String",
"documentation" : "<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of a network interface.</p>
@return The ID of a network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "documentation" : "<p>The ID of a network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a VPC peering connection.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param vpcPeeringConnectionId The ID of a VPC peering connection.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@return The ID of a VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
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  "documentation" : null
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  "isStreaming" : false,
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@param vpcPeeringConnectionId
The ID of a VPC peering connection.*/",
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The ID of a VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of a VPC peering connection.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jName" : "NatGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param natGatewayId
The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNatGatewayId",
  "getterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@returns [IPv4 traffic only] The ID of a NAT gateway.*/",
"getterMethodName" : "getNatGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"setterDocumentation" : "/**\n \[IPv4 traffic only\] The ID of a NAT gateway.\n\</p>\n\@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.*/",

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  "variableSetterType" : "String"
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  "simpleType" : "String",
  "variableSetterType" : "String"
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        "enumType" : null,
        "fluentSetterDocumentation" : "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
        "fluentSetterMethodName" : "withDestinationCidrBlock",
        "getterDocumentation" : "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
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            "documentation" : null
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        "getterDocumentation" : "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
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        "map" : false,
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        "getterDocumentation" : "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
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    "documentation" : '',
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    "variableSetterType" : "String"
},
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decisions are based on the most specific match.</p><p>@param destinationCidrBlock The IPv4 CIDR address block
used for the destination match. Routing decisions are based on the most specific match.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "documentation" : "<p>The IPv4 CIDR address block used for the destination match. Routing decisions are
based on the most specific match.</p>",
    "simpleType" : "String",
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"xmlNameSpaceUri" : null,
"DestinationIpv6CidrBlock" : {
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    "deprecated" : false,
    "documentation" : "<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on
the most specific match.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are
based on the most specific match.</p><p>@param destinationIpv6CidrBlock The IPv6 CIDR block used for the
destination match. Routing decisions are based on the most specific match.</p><p>@return Returns a reference to this
object so that method calls can be chained together.</p>*/",
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    "getterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are
based on the most specific match.</p><p>@return The IPv6 CIDR block used for the destination match. Routing decisions are
based on the most specific match.</p>*/",
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        "documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"mapModel" : null,
"name" : "DestinationIpv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.*/",
"setterMethodName" : "setDestinationIpv6CidrBlock",
"setterModel" : {
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  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"EgressOnlyInternetGatewayId" : {
  "c2jName" : "EgressOnlyInternetGatewayId",
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p><p>@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
"getterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p><p>@return [IPv6 traffic only] The ID of an egress-only Internet gateway.</p>*/",
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"getterModel" : {
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  "documentation" : null
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  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p><p>@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.</p><p>@return [IPv6 traffic only] The ID of an egress-only Internet gateway.</p>*/",
"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>\n@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "egressOnlyInternetGatewayId",
"variableType" : "String",
"documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GatewayId" : {
"c2jName" : "GatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>\n@param gatewayId The ID of an Internet gateway or virtual private gateway attached to your VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGatewayId",
"getterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>\n@return The ID of an Internet gateway or virtual private gateway attached to your VPC.*/",
"getterMethodName" : "getGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "gatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
The ID of an Internet gateway or virtual private gateway attached to your VPC.

```java
public GatewayId getGatewayId() {
    return gatewayId;
}
```

```java
public void setGatewayId(String gatewayId) {
    this.gatewayId = gatewayId;
}
```

```java
public GatewayId withGatewayId(String gatewayId) {
    return withInstanceId(gatewayId);
}
```

The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.

```java
public InstanceId getInstanceId() {
    return instanceId;
}
```

```java
public void setInstanceId(String instanceId) {
    this.instanceId = instanceId;
}
```

```java
public InstanceId withInstanceId(String instanceId) {
    return withInstanceId(instanceId);
}
```

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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p><p>@param instanceId The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p><p>@param instanceId The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"NatGatewayId" : {
  "c2jName" : "NatGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
  @param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNatGatewayId",
  "getterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
  @return [IPv4 traffic only] The ID of a NAT gateway.*/",
  "getterMethodName" : "getNatGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NatGatewayId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "natGatewayId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NatGatewayId",
  "setterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
  @param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setNatGatewayId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "natGatewayId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/** <p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param
natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a network interface.</p>
  "fluentSetterDocumentation" : "/** <p>The ID of a network interface.</p>
  @param networkInterfaceId The ID of a network interface.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/** <p>The ID of a network interface.</p>
  @return The ID of a network interface.*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n@param networkInterfaceId The ID of a network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param networkInterfaceId The ID of a network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "The ID of a network interface.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RouteTableId" : {
  "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the route table for the route.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param routeTableId The ID of the route table for the route.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**\n@param routeTableId The ID of the route table for the route.\n@return The ID of the route table for the route.*/",
  "getterMethodName" : "getRouteTableId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},

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"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTableId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/*\<p>The ID of the route table for the route.</p>\n@param routeTableId The ID of the route table for the route.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "routeTableId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The ID of the route table for the route.</p>\n@vararg routeTableId The ID of the route table for the route.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "routeTableId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the route table for the route.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"VpcPeeringConnectionId" : {
    "c2jName" : "VpcPeeringConnectionId",
    "c2jType" : "VpcPeeringConnectionId",
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of a VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@return The ID of a VPC peering connection.
",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcPeeringConnectionId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcPeeringConnectionId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of a VPC peering connection.
",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n The ID of a VPC peering connection.
\n @param vpcPeeringConnectionId The ID of a VPC peering connection.
\n @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcPeeringConnectionId",
 "variableType" : "String",
 "documentation" : "<p>The ID of a VPC peering connection.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "RouteTableId" ],
"shapeName" : "CreateRouteRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "CreateRouteRequest",
 "variableName" : "createRouteRequest",
 "variableType" : "CreateRouteRequest",
 "documentation" : null,
 "simpleType" : "CreateRouteRequest",
 "variableSetterType" : "CreateRouteRequest"
 },
 "wrapper" : false
},
"CreateRouteResult" : {
 "c2jName" : "CreateRouteResult",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the output of CreateRoute.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
 "c2jName" : "Return",
}]}
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"}
}.
"simple": true,
"varargSetterDocumentation": "/**
\* Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\* @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "returnValue",
  "variableType": "Boolean",
  "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "Return": {
    "c2jName": "Return",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**
\* Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\* @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
    "fluentSetterMethodName": "withReturn",
    "getterDocumentation": "/**
\* Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\* @return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\*/",
    "getterMethodName": "getReturn",
    "getterModel": {
      "returnType": "Boolean",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Return",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "return",
      "uri": false
    }
  }
}
"simpleType" : "CreateRouteResult",
"variableSetterType" : "CreateRouteResult"
},
"wrapper" : false
},
"CreateRouteTableRequest" : {
"c2jName" : "CreateRouteTableRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateRouteTable.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CreateRouteTable",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"simpleType" : "CreateRouteResult",
"variableSetterType" : "CreateRouteResult"}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param vpcId The ID of the VPC.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "\n\nThe ID of the VPC.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
} ],
"membersAsMap" : {
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\nThe ID of the VPC.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "\n\nReturns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "\nThe ID of the VPC.\n",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlnsNameSpaceUri" : null
}}
Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
\n\n\n@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
\n\n\n@param vpcId The ID of the VPC.

@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
\n\n\n@param vpcId The ID of the VPC.

@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "CreateRouteTableRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateRouteTableRequest",
"variableName" : "createRouteTableRequest",
"variableType" : "CreateRouteTableRequest",
"documentation" : null,
"simpleType" : "CreateRouteTableRequest",
"variableSetterType" : "CreateRouteTableRequest",
"wrapper" : false
},
"CreateRouteTableResult" : {
"c2jName" : "CreateRouteTableResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateRouteTable.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "RouteTable",
"c2jShape" : "RouteTable",
"deprecated" : false,
"documentation" : "<p>Information about the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the route table.</p>\n@param routeTable Information about the route table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTable",
"getterDocumentation" : "/**<p>Information about the route table.</p>\n@return Information about the route table.*/"} },
"getterMethodName" : "getRouteTable",
"getterModel" : {
    "returnType" : "RouteTable",
    "documentation" : null
  },
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTable",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTable",
    "uri" : false
  },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTable",
"setterDocumentation" : "/**<p>Information about the route table.</p>
@param routeTable Information about
the route table.*/",
"setterMethodName" : "setRouteTable",
"setterModel" : {
    "variableDeclarationType" : "RouteTable",
    "variableName" : "routeTable",
    "variableType" : "RouteTable",
    "documentation" : "",
    "simpleType" : "RouteTable",
    "variableSetterType" : "RouteTable"
  },
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the route table.</p>
@param routeTable Information about the route table.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
    "variableDeclarationType" : "RouteTable",
    "variableName" : "routeTable",
    "variableType" : "RouteTable",
    "documentation" : "<p>Information about the route table.</p>",
    "simpleType" : "RouteTable",
    "variableSetterType" : "RouteTable"
"xmlNameSpaceUri" : null

"membersAsMap" : {
    "RouteTable" : {
        "c2jName" : "RouteTable",
        "c2jShape" : "RouteTable",
        "deprecated" : false,
        "documentation" : "<p>Information about the route table.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about the route table.</p>
@param routeTable Information about the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withRouteTable",
        "getterDocumentation" : "/**<p>Information about the route table.</p>
@return Information about the route table.
*/",
        "getterMethodName" : "getRouteTable",
        "getterModel" : {
            "returnType" : "RouteTable",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "RouteTable",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "routeTable",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "RouteTable",
        "setterDocumentation" : "/**<p>Information about the route table.</p>
@param routeTable Information about the route table.
*/",
        "setterMethodName" : "setRouteTable",
        "setterModel" : {
            "variableDeclarationType" : "RouteTable",
            "variableName" : "routeTable",
        }
    }
}
}
"variableType" : "RouteTable",
"documentation" : "",
"simpleType" : "RouteTable",
"variableSetterType" : "RouteTable"
},
"simple" : false,
"varargSetterDocumentation" : "*/\n@param routeTable
Information about the route table.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "RouteTable",
  "variableName" : "routeTable",
  "variableType" : "RouteTable",
  "documentation" : "<p>Information about the route table.</p>",
  "simpleType" : "RouteTable",
  "variableSetterType" : "RouteTable"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateRouteTableResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateRouteTableResult",
  "variableName" : "createRouteTableResult",
  "variableType" : "CreateRouteTableResult",
  "documentation" : null,
  "simpleType" : "CreateRouteTableResult",
  "variableSetterType" : "CreateRouteTableResult"
},
"wrapper" : false
},
"CreateSecurityGroupRequest" : {
  "c2jName" : "CreateSecurityGroupRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateSecurityGroup.</p>"
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateSecurityGroup",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the security group.</p> <p>Constraints: Up to 255 characters in length</p> <p>Constraints for EC2-Classic: ASCII characters</p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and_.-/:@][+=&amp;;!]!*$</p>@param groupName The name of the security group.</p> <p>Constraints: Up to 255 characters in length</p> <p>Constraints for EC2-Classic: ASCII characters</p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and_.-/:@][+=&amp;;!]!*$</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroupName",
  "getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName": "GroupName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "GroupName",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupName",

"setterDocumentation": "/**
<p>The name of the security group.</p>
<p>Constraints: Up to 255 characters in length</p>
<p>Constraints for EC2-Classic: ASCII characters</p>
<p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-/:@\+&gt;=\&lt;\!
@param groupName The name of the security group.
*/

return Returns a reference to this object so that method calls can be chained together.*/
",
"varargSetterDocumentation": "/**
<p>The name of the security group.</p>
<p>Constraints: Up to 255 characters in length</p>
<p>Constraints for EC2-Classic: ASCII characters</p>
<p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-/:@\+&gt;=\&lt;\!
@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable": 
{

"variableDeclarationType": "String",
"variableName": "groupName",
"variableType": "String",
"documentation": 
"<p>The name of the security group.</p>
<p>Constraints: Up to 255 characters in length</p>
<p>Constraints for EC2-Classic: ASCII characters</p>
<p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-/:@\+&gt;=\&lt;\!
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation" : "A description for the security group. This is informational only.<p> </p> <p>Constraints: Up to 255 characters in length<p> </p> <p>Constraints for EC2-Classic: ASCII characters<p> </p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and._-/:@[]+=\&amp;;{}!$*</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for the security group. This is informational only.</p> 
@param description A description for the security group. This is informational only.</p> <p>Constraints: Up to 255 characters in length</p> <p>Constraints for EC2-Classic: ASCII characters</p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and._-/:@[]+=\&amp;;{}!$*</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description for the security group. This is informational only.</p> 
@return A description for the security group. This is informational only.</p> <p>Constraints: Up to 255 characters in length</p> <p>Constraints for EC2-Classic: ASCII characters</p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and._-/:@[]+=\&amp;;{}!$**/",
"getterMethodName" : "getDescription",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallingLocationName" : "GroupDescription",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallingLocationName" : "GroupDescription",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the security group. This is informational only.</p> 
@param description A description for the security group. This is informational only.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/"},
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC. </p>\n@param vpcId[EC2-VPC] The ID of the VPC. Required for EC2-VPC. */",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC. </p>\n@param vpcId[EC2-VPC] The ID of the VPC. Required for EC2-VPC.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}].
"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description"}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description for the security group. This is informational only.

Constraints:
Up to 255 characters in length
Constraints for EC2-Classic: ASCII characters
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-,:/@()#,.@&+;{}!*$",
"enumType" : null,
"fluentSetterDocumentation" : "/**
A description for the security group. This is informational only.

Constraints: Up to 255 characters in length
Constraints for EC2-Classic: ASCII characters
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-,:/@()#,.@&+;{}!*$

@param description A description for the security group. This is informational only.

Constraints: Up to 255 characters in length
Constraints for EC2-Classic: ASCII characters
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-,:/@()#,.@&+;{}!*$

@return Returns a reference to this object so that method calls can be chained together.*/
",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**
A description for the security group. This is informational only.

Constraints: Up to 255 characters in length
Constraints for EC2-Classic: ASCII characters
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-,:/@()#,.@&+;{}!*$

@return A description for the security group. This is informational only.

Constraints: Up to 255 characters in length
Constraints for EC2-Classic: ASCII characters
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-,:/@()#,.@&+;{}!*$
",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupDescription",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**
A description for the security group. This is informational only.

Constraints: Up to 255 characters in length
Constraints for EC2-Classic: ASCII characters

@return Returns a reference to this object so that method calls can be chained together.*/
"
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/\#,@\+=&;\[]\{}!$*,

"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\nA description for the security group. This is informational only.\n
@param description A description for the security group. This is informational only.\n
Constraints: Up to 255 characters in length\n
Constraints for EC2-Classic: ASCII characters\n
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/\#,@\+=&;\[]\{}!$*,\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "A description for the security group. This is informational only.\n
Constraints: Up to 255 characters in length\n
Constraints for EC2-Classic: ASCII characters\n
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/\#,@\+=&;\[]\{}!$*,\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null,

"GroupName": {
  "c2jName": "GroupName",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The name of the security group.\n
Constraints: Up to 255 characters in length\n
Constraints for EC2-Classic: ASCII characters\n
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/\#,@\+=&;\[]\{}!$*,\n
"enumType": null,
"fluentSetterDocumentation": "/**\nThe name of the security group.\n
Constraints: Up to 255 characters in length\n
Constraints for EC2-Classic: ASCII characters\n
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/\#,@\+=&;\[]\{}!$*,\n
"@param groupName The name of the security group.\n
Constraints: Up to 255 characters in length\n
Constraints for EC2-Classic: ASCII characters\n
Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/\#,@\+=&;\[]\{}!$*,\n
@property Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGroupName",
"getterDocumentation" : "/**\n * The name of the security group.
 * Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \._-/:@\[\]!\+=&\;amp;\%;\!*\n * @return The name of the security group.
 */ \n * Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \._-/:@\[\]!\+=&\;amp;\%;\!*\n * \n * @return The name of the security group.
 */

"getterMethodName" : "getGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupName",
  "uri" : false,
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",

"setterDocumentation" : "/**\n * The name of the security group.
 * Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \._-/:@\[\]!\+=&\;amp;\%;\!*\n * @param groupName The name of the security group.
 * Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \._-/:@\[\]!\+=&\;amp;\%;\!*\n * @param groupName The name of the security group.
 * Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \._-/:@\[\]!\+=&\;amp;\%;\!*\n */

"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**\n * The name of the security group.
 * Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \._-/:@\[\]!\+=&\;amp;\%;\!*\n */\n * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z,
A-Z, 0-9, spaces, and _-/:@/\#,&+=&\;\;\;\!$* similarity score: 0.04

@param groupName The name of the security group.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-/:@/\#,&+=&\;\;\;\!$*

@return Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "groupName",
    "variableType" : "String",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"VpcId" : {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the VPC. Required for EC2-VPC. (EC2-Classic: The ID of the VPC. Required for EC2-VPC.)",
    "enumType" : null,
    "fluentSetterDocumentation" : "The ID of the VPC. Required for EC2-VPC. (EC2-Classic: The ID of the VPC. Required for EC2-VPC.)",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "The ID of the VPC. Required for EC2-VPC. (EC2-Classic: The ID of the VPC. Required for EC2-VPC.)",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "VpcId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "VpcId",
        "uri" : false
    }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**\n\[EC2-VPC\] The ID of the VPC. Required for EC2-VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {

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"simple": true,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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*@
@return The ID of the security group.
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 "variableSetterType" : "String"
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* @param description A description for the snapshot.
* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the EBS volume.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "CreateSnapshotResult"
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"wrapper" : false
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    "skipGeneratingUnmarshaller" : false
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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@param bucket The Amazon S3 bucket in which to store the Spot instance data feed.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The Amazon S3 bucket in which to store the Spot instance data feed.*/",
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  "documentation" : "",
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  "variableSetterType" : "String"
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@param bucket The Amazon S3 bucket in which to store the Spot instance data feed.
@return Returns a reference to this object so that method calls can be chained together.*/"}
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@return Returns a reference to this object so that method calls can be chained together.

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        "statusCode": false,
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    "c2jShape" : "String",
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    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The Amazon S3 bucket in which to store the Spot instance data feed.</p>
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    "variableSetterType" : "String"
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@param bucket The Amazon S3 bucket in which to store the Spot instance data feed.</param>
@return Returns a reference to this object so that method calls can be chained together.
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    "simpleType" : "String",
    "variableSetterType" : "String"
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A prefix for the data feed file names.</p>",
    "enumType" : null,
"fluentSetterDocumentation" : "/**<p>A prefix for the data feed file names.</p>
@param prefix A prefix for the data feed file names.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>A prefix for the data feed file names.</p>
@return A prefix for the data feed file names.*/",
"getterMethodName" : "getPrefix",
"getterModel" : {
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"documentation" : null
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"isStreaming" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Prefix",
"setterDocumentation" : "/**<p>A prefix for the data feed file names.</p>
@param prefix A prefix for the data feed file names.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
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@param prefix A prefix for the data feed file names.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>A prefix for the data feed file names.</p>",
"simpleType" : "String",
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"variableName" : "createSpotDatafeedSubscriptionRequest",
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"documentation" : null,
"simpleType" : "CreateSpotDatafeedSubscriptionRequest",
"variableSetterType" : "CreateSpotDatafeedSubscriptionRequest"
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"wrapper" : false
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"CreateSpotDatafeedSubscriptionResult" : {
"c2jName" : "CreateSpotDatafeedSubscriptionResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of CreateSpotDatafeedSubscription.</p>",
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"c2jShape" : "SpotDatafeedSubscription",
"deprecated" : false,
"documentation" : "<p>The Spot instance data feed subscription.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotDatafeedSubscription",
"getterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@return The Spot instance data feed subscription.*/",
"getterMethodName" : "getSpotDatafeedSubscription",
"getterModel" : {
 "returnType" : "SpotDatafeedSubscription",
 "documentation" : null
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 "isStreaming" : false,
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 "statusCode" : false,
 "unmarshallLocationName" : "spotDatafeedSubscription",
 "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotDatafeedSubscription",
"setterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotDatafeedSubscription",
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 "variableName" : "spotDatafeedSubscription",
 "variableType" : "SpotDatafeedSubscription",
 "documentation" : "",
 "simpleType" : "SpotDatafeedSubscription",
 "variableSetterType" : "SpotDatafeedSubscription"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
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"variableType": "SpotDatafeedSubscription",
"documentation": "<p>The Spot instance data feed subscription.</p>",
"simpleType": "SpotDatafeedSubscription",
"variableSetterType": "SpotDatafeedSubscription"
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"c2jShape": "SpotDatafeedSubscription",
"deprecated": false,
"documentation": "<p>The Spot instance data feed subscription.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Spot instance data feed subscription.</p>
@param
spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSpotDatafeedSubscription",
"getterDocumentation": "/**<p>The Spot instance data feed subscription.</p>
@return The Spot instance data feed subscription.*/",
"getterMethodName": "getSpotDatafeedSubscription",
"getterModel": {
"returnType": "SpotDatafeedSubscription",
"documentation": null
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "spotDatafeedSubscription",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SpotDatafeedSubscription",
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateSubnet.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"members" : [ {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC.
  @return
  Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
  @return The ID of the VPC.
  */",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpcId",
  },
"setterDocumentation": "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>. 
* @param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>. */

```
setterMethodName": "/setCidrBlock",
"setterModel": {
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 "variableName": "cidrBlock",
 "variableType": "String",
 "documentation": "",    
 "simpleType": "String",
 "variableSetterType": "String"
}
},
="simple": true,
 "varargSetterDocumentation": "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>. 
* @param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>. */

```

@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
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 "variableType": "String",
 "documentation": "<p>The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>. */

```

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"deprecated" : false,
"documentation" : "<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>
@return The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.*/",
"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Ipv6CidrBlock",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
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"xmlNameSpaceUri" : null
"variableDeclarationType" : "String",
"variableName" : "ipv6CidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.<br/>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "variableType" : "String",
  "documentation" : "<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>
  @param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.<br/>\n  @return Returns a reference to this object so that method calls can be chained together.*\*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<br/>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<br/>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<br/>\n@return The Availability Zone for the subnet.<br/>\n@see GetAvailabilityZone<br/>\n@see PutAvailabilityZone**\*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : /**<p>The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
@vararg availabilityZone The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
@vararg availabilityZone The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>"
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"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"membersAsMap": {
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    "c2jShape": "String",
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    "documentation": "The Availability Zone for the subnet. Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.",
    "enumType": null,
    "fluentSetterDocumentation": "The Availability Zone for the subnet. Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.
    @param availabilityZone The Availability Zone for the subnet.
    @return Returns a reference to this object so that method calls can be chained together.",
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    @return The Availability Zone for the subnet.
    @param availabilityZone The Availability Zone for the subnet.
    @return Returns a reference to this object so that method calls can be chained together.",
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      "documentation": null
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      "additionalUnmarshallingPath": null,
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      "isPayload": false,
      "isStreaming": false,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "AvailabilityZone",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "AvailabilityZone",
    "setterDocumentation": "The Availability Zone for the subnet. Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.
    @param availabilityZone The Availability Zone for the subnet.
    @return Returns a reference to this object so that method calls can be chained together.",
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    "setterModel": {
      "returnType": "String",
      "documentation": null
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  }
}
subnet.*"},
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"setterModel" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Availability Zone for the subnet.</p>
<p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
\n@returns {AvailabilityZone} The Availability Zone for the subnet.</\n<p>
\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : <p>The Availability Zone for the subnet.</p>
  <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
  <p>@returns {AvailabilityZone} The Availability Zone for the subnet.</p>
  <p>
  <p>@returns Returns a reference to this object so that method calls can be chained together.*\n  */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CidrBlock" : {
  "c2jName" : "CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "/**\n<p>The IPv4 network range for the subnet, in CIDR notation. For example, \n<code>10.0.0.0/24</code>.</p>
<p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "enumName" : "CidrBlock",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The IPv4 network range for the subnet, in CIDR notation. For example, \n<code>10.0.0.0/24</code>.</p>
<p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "fluentSetterMethodName" : "withCidrBlock",
  "getterDocumentation" : "/**\n<p>The IPv4 network range for the subnet, in CIDR notation. For example, \n<code>10.0.0.0/24</code>.</p>
\n@return The IPv4 network range for the subnet, in CIDR notation. For example, \n<code>10.0.0.0/24</code>.
\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "getterMethodName" : "getCidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {"xmlNameSpaceUri" : null,
**setterDocumentation**: "/*<p>The IPv4 network range for the subnet, in CIDR notation. For example,

<code>10.0.0.0/24</code>. </p>*\n\n@param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example, <code>10.0.0.0/24</code>. */",

**setterMethodName**: "setCidrBlock",

**setterModel**: {

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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

**simple**: true,

**varargSetterDocumentation**: "/*<p>The IPv4 network range for the subnet, in CIDR notation. For example, <code>10.0.0.0/24</code>. </p>*\n\n@var @param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example, <code>10.0.0.0/24</code>. */",

**variable**: {

  "variableDeclarationType": "String",
  "variableName": "cidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

**xmlNameSpaceUri**: null
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  "c2jName" : "Ipv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>\n@returns {string} The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.*/",
  "fluentSetterMethodName" : "withIpv6CidrBlock",
  "getterDocumentation" : "/*<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>\n@returns {string} The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.*/",
  "getterMethodName" : "getIpv6CidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Ipv6CidrBlock",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Ipv6CidrBlock",
  "setterDocumentation" : "/*<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>\n@returns {string} The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.*/",
  "setterMethodName" : "setIpv6CidrBlock",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "ipv6CidrBlock",
  }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
",
"simple" : true,
"varargSetterDocumentation" : "/**
 * The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
 * @param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
 * @return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ipv6CidrBlock",
    "variableType" : "String",
    "documentation" : "The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length."
",
    "simpleType" : "String",
    "variableSetterType" : "String"
",
    "xmlNameSpaceUri" : null
",
    "VpcId" : {
        "c2jName" : "VpcId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The ID of the VPC."
",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
 * The ID of the VPC.
 * @param vpcId The ID of the VPC.
 * @return Returns a reference to this object so that method calls can be chained together.*/
",
        "fluentSetterMethodName" : "withVpcId",
        "getterDocumentation" : "/**
 * The ID of the VPC.
 * @return The ID of the VPC.*/
",
        "getterMethodName" : "getVpcId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
",
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocationName" : "VpcId",
                "queryString" : false,
                "statusCode" : false,
                "statusType" : "String"
            }
        }
    }
}
}
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The ID of the VPC.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId", "CidrBlock" ],
"shapeName" : "CreateSubnetRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateSubnetRequest",
  "variableName" : "createSubnetRequest",
  "variableType" : "CreateSubnetRequest",
  "documentation" : null,
  "simpleType" : "CreateSubnetRequest",
  "variableSetterType" : "CreateSubnetRequest"
},
"wrapper" : false
},
"CreateSubnetResult" : {
  "c2jName" : "CreateSubnetResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingUnmarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateSubnet.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Subnet",
      "c2jShape" : "Subnet",
      "deprecated" : false,
      "documentation" : "<p>Information about the subnet.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the subnet.</p>\n@returnssubnet Information about the subnet.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withSubnet",
      "getterDocumentation" : "/**<p>Information about the subnet.</p>\n@returns Information about the subnet.*/",
      "getterModel" : {
        "returnType" : "Subnet",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Subnet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "subnet",
        "uri" : false
      },
      "idempotencyToken" : false,
      "name" : "Subnet",
      "nameForMarshalling" : "Subnet",
      "nameForUnmarshalling" : "Subnet",
      "type" : "string"
    }
  ]
}
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Subnet",
"setterDocumentation": "/**\n* Information about the subnet.<p>\n* @param subnet Information about the subnet.*/",
"setterMethodName": "setSubnet",
"setterModel": {
  "variableDeclarationType": "Subnet",
  "variableName": "subnet",
  "variableType": "Subnet",
  "documentation": "",
  "simpleType": "Subnet",
  "variableSetterType": "Subnet"
},
"simple": false,
"varargSetterDocumentation": "/**\n* Information about the subnet.<p>\n* @param subnet Information about the subnet.<p>\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Subnet",
  "variableName": "subnet",
  "variableType": "Subnet",
  "documentation": "<p>Information about the subnet.</p>",
  "simpleType": "Subnet",
  "variableSetterType": "Subnet"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "Subnet": {
    "c2jName": "Subnet",
    "c2jShape": "Subnet",
    "deprecated": false,
    "documentation": "<p>Information about the subnet.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* Information about the subnet.<p>\n* @param subnet Information about the subnet.<p>\n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withSubnet",
    "getterDocumentation": "/**<p>Information about the subnet.<p>\n* @return Information about the subnet.*/",
    "getterMethodName": "getSubnet",
    "getterModel": {
      "returnType": "Subnet",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Subnet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnet",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Subnet",
"setterDocumentation" : "/**<p>Information about the subnet.</p>
@param subnet Information about the subnet.*
@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName" : "setSubnet",
"setterModel" : {
 "variableDeclarationType" : "Subnet",
 "variableName" : "subnet",
 "variableType" : "Subnet",
 "documentation" : "",
 "simpleType" : "Subnet",
 "variableSetterType" : "Subnet"
 },
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the subnet.</p>
@param subnet Information about the subnet.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
 "variableDeclarationType" : "Subnet",
 "variableName" : "subnet",
 "variableType" : "Subnet",
 "documentation" : "<p>Information about the subnet.</p>",
 "simpleType" : "Subnet",
 "variableSetterType" : "Subnet"
 },
"xmlnsNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateSubnetResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "CreateSubnetResult",
    "variableName" : "createSubnetResult",
    "variableType" : "CreateSubnetResult",
    "documentation" : null,
    "simpleType" : "CreateSubnetResult",
    "variableSetterType" : "CreateSubnetResult"
},
"wrapper" : false
},
"CreateTagsRequest" : {
    "c2jName" : "CreateTagsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CreateTags.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "CreateTags",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        {
            "c2jName" : "Resources",
            "c2jShape" : "ResourceIdList",
            "deprecated" : false,
            "documentation" : "<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>@param resources The IDs of one more resources to tag. For example, ami-1a2b3c4d.</n@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withResources",
        }
    ]
}
"getterDocumentation" : "/**<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>
@return The IDs of one or more resources to tag. For example, ami-1a2b3c4d.*/",
"getterMethodName" : "getResources",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ResourceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * @param member \n     * @return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return *
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "methodCallErrorCode" : null,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateReturnValue" : null,
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"templateType" : "java.util.List<String>\n}
"map" : false,
"mapModel" : null,
"name" : "Resources",
"setterDocumentation" : "/**\n<p>The IDs of one or more resources to tag. For example, ami-
1a2b3c4d.</p>
@param resources The IDs of one or more resources to tag. For example, ami-
1a2b3c4d.*\n*/
"setterMethodName" : "setResources",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>\",
"variableName" : "resources",
"variableType" : "java.util.List<String>\",
"documentation" : "",
"simpleType" : "List<String>\",
"variableSetterType" : "java.util.Collection<String>\n",
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The IDs of one or more resources to tag. For example, ami-
1a2b3c4d.\n\n@NOTE: This method appends the values to the existing list (if any). Use {@link
#setResources(java.util.Collection)} or {@link #withResources(java.util.Collection)} if you want to override the
existing values.\n*/\n\n@return Returns a reference to this object so that method calls can be chained
together.*/
",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>\",
"variableName" : "resources",
"variableType" : "java.util.List<String>\",
"documentation" : "The IDs of one or more resources to tag. For example, ami-
1a2b3c4d.\n",
"simpleType" : "List<String>\",
"variableSetterType" : "java.util.Collection<String>\n",
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "\nOne or more tags. The <code>value</code> parameter is required, but if you don't want
the tag to have a value, specify the parameter with no value, and we set the value to an empty string.\n*/
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nOne or more tags. The <code>value</code> parameter is required, but if you don't want
the tag to have a value, specify the parameter with no value, and we set the value to an empty string.\n*/

@return Returns a reference to this object so that method calls can be chained
together.*/
",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\nOne or more tags. The <code>value</code> parameter is required, but if you don't want
the tag to have a value, specify the parameter with no value, and we set the value to an empty string.\n*/

@return One or more tags. The <code>value</code> parameter is required, but if you don't want
the tag to have a value, specify the parameter with no value, and we set the value to an empty string.*/

"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Tag",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Tag",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Tag",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Tag",
      "uri" : false
    }
  }
}
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>"
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you
don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.
</p>@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag
to have a value, specify the parameter with no value, and we set the value to an empty string.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if
you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.
</p>@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag
to have a value, specify the parameter with no value, and we set the value to an empty string.

NOTE: This method appends the values to the existing list (if any). Use [@link
#setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing
values.</p>@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag
to have a value, specify the parameter with no value, and we set the value to an empty string.

Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>One or more tags. The <code>value</code> parameter is required, but if you don't
want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.</p>
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Resources" : {
    "c2jName" : "Resources",
    "c2jShape" : "ResourceIdList",
    "deprecated" : false,
    "documentation" : "<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of one or more resources to tag. For example, ami-
1a2b3c4d.</p>@param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.

Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withResources",
  "getterDocumentation" : "/**<p>The IDs of one or more resources to tag. For example, ami-
1a2b3c4d.</p>@return The IDs of one or more resources to tag. For example, ami-1a2b3c4d.*/"}
"getterMethodName" : "getResources",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ResourceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n*\n*\n  @return Returns a reference to this object so that\n  method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n*\n*\n  @return *\*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "member",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"map" : false,
"mapModel" : null,
"name" : "Resources",
"setterDocumentation" : "/**\n* The IDs of one or more resources to tag. For example, ami-1a2b3c4d.\n*\n* @param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.*\n*/",
"setterMethodName" : "setResources",
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"variableName" : "resources",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* The IDs of one or more resources to tag. For example, ami-1a2b3c4d.\n*\n* NOTE: This method appends the values to the existing list (if any). Use {\@link #setResources(java.util.Collection)} or {\@link #withResources(java.util.Collection)} if you want to override the existing values.\n*\n* @param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
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"variableType" : "java.util.List<String>",
"documentation" : "The IDs of one or more resources to tag. For example, ami-1a2b3c4d.\n*\n* simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
},
"Tags" : {
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"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>\n*\n* enumType" : null,
"fluentSetterDocumentation" : "/**\n* One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>\n*\n* @param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n* One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>\n*\n* @return One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.\n*/
"getterMethodName" : "getTags",
"getterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TagEntry>",
"variableName" : "tags",
"variableType" : "java.util.List<TagEntry>",
"documentation" : "",
"simpleType" : "List<TagEntry>",
"variableSetterType" : "java.util.Collection<TagEntry>"
},
"xmlNameSpaceUri" : null
}
"getterModel": {
  "returnType": "java.util.List<Tag>",
  "documentation": null
},

"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "statusCode": false,
  "unmarshallLocationName": "Tag",
  "uri": false
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"idempotencyToken": false,

"list": true,

"listModel": {
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "Tag",
    "deprecated": false,
    "documentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterDocumentation": "/**\n     * @param member\n     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Tag",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
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  }
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"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
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"templateType" : "java.util.List<Tag>"
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"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you
don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.
</p>ln@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag
to have a value, specify the parameter with no value, and we set the value to an empty string.*/",
"setterMethodName" : "setTags",
"setterModel" : {
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    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.
</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setTags(java.util.Collection) \} or \{ @link #withTags(java.util.Collection) \} if you want to override the existing values.\n\n@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
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"requestSignerClassFqn" : null,
"required" : [ "Resources", "Tags" ],
"shapeName" : "CreateTagsRequest",
"unmarshaller" : null,
"variable" : {
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    "variableName" : "createTagsRequest",
    "variableType" : "CreateTagsRequest",
    "documentation" : null,
    "simpleType" : "CreateTagsRequest",
    "variableSetterType" : "CreateTagsRequest"  
}"}
"wrapper": false,
"CreateTagsResult": {
  "c2jName": "CreateTagsResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": null,
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  "hasStatusCodeMember": false,
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  "membersAsMap": {},
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "CreateTagsResult",
  "unmarshaller": {
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    "resultWrapper": null
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    "variableType": "CreateTagsResult",
    "documentation": null,
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    "variableSetterType": "CreateTagsResult"
  },
  "wrapper": false
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  "c2jName": "CreateVolumePermission",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
"documentation" : "Describes the user or group to be added or removed from the permissions for a volume."
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "UserId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.",
"enumType" : null,
"fluentSetterDocumentation" : "/** The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserId",
"getterDocumentation" : "/** The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n@return The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.*/",
"getterMethodName" : "getUserId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserId",
"setterDocumentation" : "*/p> The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.<p>@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.*/",
"setterMethodName" : "setUserId",
"setterModel" : {
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  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "*/p> The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.<p>@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.<p>/n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.<p>/n@see PermissionGroup*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Group",
"c2jShape" : "PermissionGroup",
"deprecated" : false,
"documentation" : "The specific group that is to be added or removed from a volume's list of create volume permissions.<p>/n@see PermissionGroup*/",
"enumType" : "PermissionGroup",
"fluentSetterDocumentation" : "*/p> The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@param group The specific group that is to be added or removed from a volume's list of create volume permissions.<p>/n@return Returns a reference to this object so that method calls can be chained together.<p>@see PermissionGroup*/",
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"getterDocumentation" : "*/p> The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@return The specific group that is to be added or removed from a volume's list of create volume permissions.<p>/n@see PermissionGroup*/",
"getMethodName" : "getGroup",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
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"isStreaming": false,
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"queryString": false,
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"uri": false
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@param group The specific group that is to be added or removed from a volume's list of create volume permissions.
@see PermissionGroup*/",
"setterMethodName": "setGroup",
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The specific group that is to be added or removed from a volume's list of create volume permissions.</p>
@param group The specific group that is to be added or removed from a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.
@see PermissionGroup*/",
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"variableName": "group",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
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"membersAsMap" : {
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    "c2jName" : "Group",
    "c2jShape" : "PermissionGroup",
    "deprecated" : false,
    "documentation" : "<p>The specific group that is to be added or removed from a volume's list of create volume permissions.</p>",
    "enumType" : "PermissionGroup",
    "fluentSetterDocumentation" : "/*\*<p>The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@param group The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see PermissionGroup*/",
    "fluentSetterMethodName" : "withGroup",
    "getterDocumentation" : "/*\*<p>The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@return The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@see PermissionGroup*/",
    "getterMethodName" : "getGroup",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Group",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "group",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Group",
    "setterDocumentation" : "/*\*<p>The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@param group The specific group that is to be added or removed from a volume's list of create volume permissions.<p>@see PermissionGroup*/",
    "setterMethodName" : "setGroup",
  }
}


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  "variableDeclarationType": "String",
  "variableName": "group",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
  "simple": true,
  "varargSetterDocumentation": "/**\* The specific group that is to be added or removed from a volume's list of create volume permissions.\n  @param group The specific group that is to be added or removed from a volume's list of create volume permissions.\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see PermissionGroup*/",
  "variable": {
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    "variableName": "group",
    "variableType": "String",
    "documentation": "<p>The specific group that is to be added or removed from a volume's list of create volume permissions.</p>",
    "simple": true,
    "xmlNameSpaceUri": null
  },
  "UserId": {
    "c2jName": "UserId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\* The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n  @param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withUserId",
    "getterDocumentation": "/**\* The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n  @return The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.*/",
    "getterMethodName": "getUserId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "userId",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UserId",
"setterDocumentation": "/**\n<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>\n@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.*/",
"setterMethodName": "setUserId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "userId",
  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>\n@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "userId",
  "variableType": "String",
  "documentation": "<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required" : null,
"shapeName" : "CreateVolumePermission",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "createVolumePermission",
  "variableType" : "CreateVolumePermission",
  "documentation" : null,
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
},
"wrapper" : false
},
"CreateVolumePermissionModifications" : {
  "c2jName" : "CreateVolumePermissionModifications",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes modifications to the permissions for a volume.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Add",
    "c2jShape" : "CreateVolumePermissionList",
    "deprecated" : false,
    "documentation" : "Adds a specific AWS account ID or group to a volume's list of create volume permissions.",
    "enumType" : null,
    "fluentSetterDocumentation" : "Adds a specific AWS account ID or group to a volume's list of create volume permissions.",
    "fluentSetterMethodName" : "withAdd",
    "getterDocumentation" : "Adds a specific AWS account ID or group to a volume's list of create volume permissions.",
    "getterMethodName" : "getAdd"
  }]
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"getterModel": {
  "returnType": "java.util.List<CreateVolumePermission>",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Add",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Add",
  "uri": false
},

"idempotencyToken": false,

"list": true,

"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "CreateVolumePermission",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getMethodName": "getMember",
    "gettersModel": {
      "returnType": "CreateVolumePermission",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null
    }
  }
}
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDocumentationType": "CreateVolumePermission",
  "variableName": "member",
  "variableType": "CreateVolumePermission",
  "documentation": "",
  "simpleType": "CreateVolumePermission",
  "variableSetterType": "CreateVolumePermission"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "CreateVolumePermission",
  "variableName": "member",
  "variableType": "CreateVolumePermission",
  "documentation": "",
  "simpleType": "CreateVolumePermission",
  "variableSetterType": "CreateVolumePermission"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "CreateVolumePermission",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "CreateVolumePermission",
"templateImplType": "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType": "java.util.List<CreateVolumePermission>"}
"mapModel" : null,
"name" : "Add",
"setterDocumentation" : "/**<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>*/
@param add Adds a specific AWS account ID or group to a volume's list of create volume permissions.*/",
"setterMethodName" : "setAdd",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>*/
@param add Adds a specific AWS account ID or group to a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Remove",
"c2jShape" : "CreateVolumePermissionList",
"deprecated" : false,
"documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>*/
@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemove",
"getterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>*/
@return Removes a specific AWS account ID or group from a volume's list of create volume permissions.*/",
"getterMethodName" : "getRemove",
"getterModel" : {
  "returnType" : "java.util.List<CreateVolumePermission>"
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Remove",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Remove",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "CreateVolumePermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "CreateVolumePermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "uri" : false
    }
  }
}
"name" : "Remove",
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
"variableDeclarationType" : "CreateVolumePermission",
"variableName" : "member",
"variableType" : "CreateVolumePermission",
"documentation" : "",
"simpleType" : "CreateVolumePermission",
"variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>"
},
"map" : false,
"mapModel" : null,
"name" : "Remove",
**setterDocumentation** : 

```html
<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>
```

**setterMethodName** : "setRemove",

**setterModel** : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "remove",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>",
},

"simple" : false,

**varargSetterDocumentation** : 

```html
<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>
```

```html
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setRemove(java.util.Collection)] or [@link withRemove(java.util.Collection)] if you want to override the existing values.
```

```html
parm remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.
```

```html
@return Returns a reference to this object so that method calls can be chained together.*/
```

**variable** : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "remove",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "Removes a specific AWS account ID or group from a volume's list of create volume permissions.
```

```html
"simpleType" : "List<CreateVolumePermission>",
"variableSetterType" : "java.util.Collection<CreateVolumePermission>",
```

```html
"xmlNameSpaceUri" : null
```}

**membersAsMap** : {
  "Add" : {
    "c2jName" : "Add",
    "c2jShape" : "CreateVolumePermissionList",
    "deprecated" : false,
    "documentation" : "Adds a specific AWS account ID or group to a volume's list of create volume permissions.
```

```html
"enumType" : null,

**fluentSetterDocumentation** : 

```html
Adds a specific AWS account ID or group to a volume's list of create volume permissions.
```

```html
@return Returns a reference to this object so that method calls can be chained together.*/
```

**fluentSetterMethodName** : "withAdd",

**getterDocumentation** : 

```html
Adds a specific AWS account ID or group to a volume's list of create volume permissions.
```

```html
@return Adds a specific AWS account ID or group to a volume's list of create volume permissions.
```

**getterMethodName** : "getAdd",

**getterModel** : {
  "returnType" : "java.util.List<CreateVolumePermission>",
```
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>"
],
"map" : false,
"mapModel" : null,
"name" : "Add"
setterDocumentation" : "/**<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>
@param add Adds a specific AWS account ID or group to a volume's list of create volume permissions.*/",
"setterMethodName" : "setAdd",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : ">
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>
<NOTE/>
 NOTE:
 This method appends the values to the existing list (if any). Use
 {@link #setAdd(java.util.Collection)} or {@link #withAdd(java.util.Collection)} if you want to override the
existing values." /
@param add Adds a specific AWS account ID or group to a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
    "variableName" : "add",
    "variableType" : "java.util.List<CreateVolumePermission>",
    "documentation" : ">",
    "simpleType" : "List<CreateVolumePermission>",
    "variableSetterType" : "java.util.Collection<CreateVolumePermission>",
  },
  "xmlNameSpaceUri" : null
},
"Remove" : {
  "c2jName" : "Remove",
  "c2jShape" : "CreateVolumePermissionList",
  "deprecated" : false,
  "documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions. </p>",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
    "variableName" : "remove",
    "variableType" : "java.util.List<CreateVolumePermission>",
    "documentation" : null,
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.*/",
  "fluentSetterMethodName" : "withRemove",
  "getterDocumentation" : "/*<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.*/",
  "getterMethodName" : "getRemove",
  "getterModel" : {
    "returnType" : "java.util.List<CreateVolumePermission>",
    "documentation" : null
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>
<NOTE/>
 NOTE:
 This method appends the values to the existing list (if any). Use
 {@link #setAdd(java.util.Collection)} or {@link #withAdd(java.util.Collection)} if you want to override the
existing values." /
@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
    "variableName" : "remove",
    "variableType" : "java.util.List<CreateVolumePermission>",
    "documentation" : null,
  },
  "xmlNameSpaceUri" : null
}
"marshallerLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "CreateVolumePermission",
"variableName" : "member",
"variableType" : "CreateVolumePermission",
"documentation" : "",
"simpleType" : "CreateVolumePermission",
"variableSetterType" : "CreateVolumePermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "CreateVolumePermission",
"variableName" : "member",
"variableType" : "CreateVolumePermission",
"documentation" : "",
"simpleType" : "CreateVolumePermission",
"variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>"
},
"map" : false,
"mapModel" : null,
"name" : "Remove",
"setterDocumentation" : "/**\n<p>Removes a specific AWS account ID or group from a volume's list of create
volume permissions.

```java
@<p>@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.*/

"setterMethodName" : "setRemove",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "remove",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRemove(java.util.Collection)} or {@link #withRemove(java.util.Collection)} if you want to override the existing values.</p>@<p>@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.\n@<return> Returns a reference to this object so that method calls can be chained
together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "remove",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>",
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateVolumePermissionModifications",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateVolumePermissionModifications",
  "variableName" : "createVolumePermissionModifications",
  "variableType" : "CreateVolumePermissionModifications",
  "documentation" : null,
  "simpleType" : "CreateVolumePermissionModifications",
  "variableSetterType" : "CreateVolumePermissionModifications",
},
"wrapper" : false
},
```
"CreateVolumeRequest" : {
  "c2jName" : "CreateVolumeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateVolume.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateVolume",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "Size",
      "c2jShape" : "Integer",
      "deprecated" : false,
      "documentation" : "<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>"
    }
  ]
}
equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

Constraints: 1-16384 for `gp2`, 4-16384 for `io1`, 500-16384 for `st1`, 500-16384 for `sc1`, and 1-1024 for `standard`. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
"variableSetterType" : "Integer",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiBs.</p> Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@param size The size of the volume, in GiBs.</p> Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "size",
"variableType" : "Integer",
"documentation" : "The size of the volume, in GiBs. Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The snapshot from which to create the volume.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The snapshot from which to create the volume.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The snapshot from which to create the volume.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@param snapshotId The snapshot from which to create the volume.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@param snapshotId The snapshot from which to create the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The snapshot from which to create the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}, {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone in which to create the volume. Use"
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.

```java
@param availabilityZone The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.

@return Returns a reference to this object so that method calls can be chained together.*/*,

"fluentSetterMethodName" : "withAvailabilityZone",

"getterDocumentation" : "/**<p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>

@return The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.*/",

"getterMethodName" : "getAvailabilityZone",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AvailabilityZone",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "AvailabilityZone",

"setterDocumentation" : "/**<p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>

@return The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.*/",

"setterMethodName" : "setAvailabilityZone",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
```
"simple": true,
"varargSetterDocumentation": "/**<p>The Availability Zone in which to create the volume. Use
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>\n@param availabilityZone The Availability Zone in which to create the volume. Use
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "availabilityZone",
"variableType": "String",
"documentation": "The Availability Zone in which to create the volume. Use<br><a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.
"variableSetterType": "String",
"xmlNameSpaceUri": null,
},
"c2jName": "VolumeType",
"c2jShape": "VolumeType",
"deprecated": false,
"documentation": "The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.\n\nDefault: \n<code>standard</code> \n"enumType": "VolumeType",
"fluentSetterDocumentation": "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, 
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.\n\nDefault: \n<code>standard</code> \n"fluentSetterMethodName": "withVolumeType",
"getterDocumentation": "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, 
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.\n\nDefault: \n<code>standard</code> \n"getterMethodName": "getVolumeType",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
**The volume type. This can be `gp2` for General Purpose SSD, `io1` for Provisioned IOPS SSD, `st1` for Throughput Optimized HDD, `sc1` for Cold HDD, or `standard` for Magnetic volumes. Default: `standard`**

@see VolumeType*/

```
"setterDocumentation" : "/** The volume type. This can be \texttt{gp2} for General Purpose SSD, \texttt{io1} for Provisioned IOPS SSD, \texttt{st1} for Throughput Optimized HDD, \texttt{sc1} for Cold HDD, or \texttt{standard} for Magnetic volumes. Default: \texttt{standard}\n@see VolumeType*/",

"setterMethodName" : "setVolumeType",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/** The volume type. This can be \texttt{gp2} for General Purpose SSD, \texttt{io1} for Provisioned IOPS SSD, \texttt{st1} for Throughput Optimized HDD, \texttt{sc1} for Cold HDD, or \texttt{standard} for Magnetic volumes. Default: \texttt{standard}\n@see VolumeType*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
```
The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. Default: <code>standard</code>.

```java
 Ils
```

The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes.

```java
 Ils = Integer
```

Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes.

```java
 Ils = Integer
```

Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>
@param iops Only valid for Provisioned IOPS SSD volumes
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>
@param iops Only valid for Provisioned IOPS SSD volumes
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"
"enumType" : null,

"fluentSetterDocumentation" : "/**
<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param encrypted Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together. */",

"fluentSetterMethodName" : "withEncrypted",

"getterDocumentation" : "/**
<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. */",

"getterMethodName" : "getEncrypted",

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see </p>

@param encrypted Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see </a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see </p>

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@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean"
Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html).

The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the `arn:aws:kms` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `key` namespace, and then the CMK ID. For example, `arn:aws:kms:us-east-1:i-012345678910:key/a-b-cd-123456a-12b-a123b4cd56ef`.

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example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set. /*

"getterMethodName" : "getKmsKeyId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KmsKeyId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "KmsKeyId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set. </p>

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set. */

"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String"}
The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.<p>@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.<p>@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/** <p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>\n@return The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you. */",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/** <p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>\n@param availabilityZone The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you. */",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>\n@param availabilityZone The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you. */"
list the Availability Zones that are currently available to you.

```java
return Returns a reference to this object so that
documentation to this object so that method calls can be chained together.*/,”

“variable” : {
  “variableDeclarationType” : ”String”,
  “variableName” : ”availabilityZone”,
  “variableType” : ”String”,
  “documentation” : ”<p>The Availability Zone in which to create the volume. Use
list the Availability Zones that are currently available to you.</p>,”

  “simpleType” : ”String”,
  “variableSetterType” : ”String”
},
“xmlNameSpaceUri” : null
},
“Encrypted” : {
  “c2jName” : ”Encrypted”,
  “c2jShape” : ”Boolean”,
  “deprecated” : false,
  “documentation” : ”<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes
may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted
snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot
or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more
information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon
EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>.”

  “simpleType” : ”null”,
  “fluentSetterDocumentation” : ”/**<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS
volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created
from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an
unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported
instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon
EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

  @param encrypted Specifies whether the volume should be encrypted. Encrypted Amazon EBS
volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created
from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an
unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported
instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon
EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

  @return Returns a reference to this object so that method calls can be chained together.*/,”

  “getterDocumentation” : ”/**<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS
volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted
snapshots are automatically encrypted. There is no way to create an encrypted volume from an
unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported
instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon
EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

  @return Specifies whether the volume should be encrypted. Encrypted Amazon EBS
volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created
from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an
unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported
instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon
EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

  @return Returns a reference to this object so that method calls can be chained together.*/,”

```
```
no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.

**getterMethodName** : "getEncrypted",
**getterModel** : {
  "returnType" : "Boolean",
  "documentation" : null
},
**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
},
**idempotencyToken** : false,
**list** : false,
**listModel** : null,
**map** : false,
**mapModel** : null,
**name** : "Encrypted",
**setterDocumentation** : 

```html
<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.</p>
```

**setterMethodName** : "setEncrypted",
**setterModel** : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
}
"documentation": "Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@param encrypted Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n"
"fluentSetterMethodName" : "withIops",
"getterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>@return Only valid for Provisioned IOPS SSD volumes</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>*/",
"getterMethodName" : "getIops",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Iops",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>@param iops Only valid for Provisioned IOPS SSD volumes</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>/",
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>
@param iops Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes

  <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>

  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
  "c2jName" : "KmsKeyId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the key namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>

  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the key namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the key namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the key namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the key namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

  @return Returns a reference to this object so that method calls can be chained together.*/"
The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
public class EbsEncryptedInfo {
    private String KmsKeyId;
    ...
}
```

### KmsKeyId

- **Type:** String
- **Description:** The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

### Getter Method

```java
public String getKmsKeyId() {
    return this.KmsKeyId;
}
```

### Setter Method

```java
public void setKmsKeyId(String kmsKeyId) {
    this.KmsKeyId = kmsKeyId;
}
```
ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/

    "setterMethodName" : "setKmsKeyId",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "kmsKeyId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,

    "varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>
    @param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>@return Returns a reference to this object so that method calls can be chained together.*/",

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "kmsKeyId",
        "variableType" : "String",
        "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set."/
    },
    "xmlNameSpaceUri" : null
},
"Size" : {
    "c2jName" : "Size",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The size of the volume, in GiBs." <p>Constraints: 1-16384 for <code>gp2</code>,

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4-16384 for `<code>io1</code>`, 500-16384 for `<code>st1</code>`, 500-16384 for `<code>sc1</code>`, and 1-1024 for `<code>standard</code>`. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>

"enumType": null,

"fluentSetterDocumentation": "/**\n<p>The size of the volume, in GiBs.</p>
<p>Constraints: 1-16384 for `<code>gp2</code>`, 4-16384 for `<code>io1</code>` , 500-16384 for `<code>st1</code>`, 500-16384 for `<code>sc1</code>` , and 1-1024 for `<code>standard</code>` . If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p>

<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n*/

@param size The size of the volume, in GiBs.

<p>Constraints: 1-16384 for `<code>gp2</code>`, 4-16384 for `<code>io1</code>` , 500-16384 for `<code>st1</code>` , 500-16384 for `<code>sc1</code>` , and 1-1024 for `<code>standard</code>` . If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p>

<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName": "withSize",

"getterDocumentation": "/**\n<p>The size of the volume, in GiBs.</p>
<p>Constraints: 1-16384 for `<code>gp2</code>`, 4-16384 for `<code>io1</code>` , 500-16384 for `<code>st1</code>` , 500-16384 for `<code>sc1</code>` , and 1-1024 for `<code>standard</code>` . If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p>

<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@return The size of the volume, in GiBs.</p>\n@return The size of the volume, in GiBs.</p>\n@return The size of the volume, in GiBs.

<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName": "getSize",

"getterModel": {
"returnType": "Integer",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Size",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Size",
"uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,
"setterMethodName" : "setSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "size",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@p The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\n@param size The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\nDefault: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "size",
    "variableType" : "Integer",
    "documentation" : "The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\nDefault: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n\n"xmlNameSpaceUri" : null
},
"SignatureId" : {
  "c2jName" : "SignatureId",
  "map" : false,
  "mapModel" : null,
  "name" : "Size",
  "setterDocumentation" : "/**\n<p>The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\n@param size The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\nDefault: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "size",
    "variableType" : "Integer",
    "documentation" : "The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\nDefault: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n\n"xmlNameSpaceUri" : null
},
"SnapshotId" : {"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**\n<p>The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\n@param size The size of the volume, in GiBs.\n<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.\n</p>\nDefault: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n\n@return Returns a reference to this object so that method calls can be chained together. */",}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The snapshot from which to create the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>\n@param snapshotId The snapshot from which to create the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>\n\n@return The snapshot from which to create the volume.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>\n@param snapshotId The snapshot from which to create the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot from which to create the volume.\n@{param snapshotId The snapshot from which to create the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The snapshot from which to create the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeType" : {
  "c2jName" : "VolumeType",
  "c2jShape" : "VolumeType",
  "deprecated" : false,
  "documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> <p>Default: <code>standard</code></p>",
  "enumType" : "VolumeType",
  "fluentSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> <p>Default: <code>standard</code> </p>
  @param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
  @return Returns a reference to this object so that method calls can be chained together.</p> */",
  "getterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> <p>Default: <code>standard</code></p>
  @return The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> */",
  "getterMethodName" : "getVolumeType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
**The volume type. This can be `gp2` for General Purpose SSD, `io1` for Provisioned IOPS SSD, `st1` for Throughput Optimized HDD, `sc1` for Cold HDD, or `standard` for Magnetic volumes.**

### Setter Method

```java
@see VolumeType*/
```

```java
setterMethodName : "setVolumeType",
setterModel : {
  variableDeclarationType : "String",
  variableName : "volumeType",
  variableType : "String",
  documentation : "",
  simpleType : "String",
  variableSetterType : "String"
},
```

```java
simple : true,
```

```java
varargSetterDocumentation" : "/**\nThe volume type. This can be `gp2` for General Purpose SSD, `io1` for Provisioned IOPS SSD, `st1` for Throughput Optimized HDD, `sc1` for Cold HDD, or `standard` for Magnetic volumes.**

### Setter Method

```java
n@see VolumeType*/",

```

```java
variable" : {
  variableDeclarationType : "String",
  variableName : "volumeType",
  variableType : "String",
  documentation : "",
  simpleType : "String",
  variableSetterType : "String"
},
```

```java
n@return Returns a reference to this object so that method calls can be chained together.
```

```java
n@see VolumeType*/",

```

```java
variable" : {
  variableDeclarationType : "String",
  variableName : "volumeType",
  variableType : "String",
  documentation : "",
  simpleType : "String",
  variableSetterType : "String"
},
```

```java
n@see VolumeType*/",

```

```java
variable" : {
  variableDeclarationType : "String",
  variableName : "volumeType",
  variableType : "String",
  documentation : "",
  simpleType : "String",
  variableSetterType : "String"
},
```

```java
n@see VolumeType*/",

```

```java
variable" : {
  variableDeclarationType : "String",
  variableName : "volumeType",
  variableType : "String",
  documentation : "",
  simpleType : "String",
  variableSetterType : "String"
},
```
<code>standard</code> <p>,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "AvailabilityZone" ],
"shapeName" : "CreateVolumeRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "CreateVolumeRequest",
    "variableName" : "createVolumeRequest",
    "variableType" : "CreateVolumeRequest",
    "documentation" : null,
    "simpleType" : "CreateVolumeRequest",
    "variableSetterType" : "CreateVolumeRequest"
},
"wrapper" : false
},
"CreateVolumeResult" : {
"c2jName" : "CreateVolumeResult",
"customization" : {
    "artificialResultWrapper" : {
        "wrappedMemberName" : "Volume",
        "wrappedMemberSimpleType" : "Volume"
    },
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "A simple result wrapper around the Volume object that was sent over the wire.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
    "c2jName" : "Volume",
    "c2jShape" : "Volume",
    "deprecated" : false,
    "documentation" : "Describes a volume,";
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Describes a volume.</p>
@param volume Describes a volume.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withVolume",
"getterDocumentation" : "/** <p>Describes a volume.</p>
@return Describes a volume. */",
"getterMethodName" : "getVolume",
"getterModel" : {
"returnType" : "Volume",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Volume",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Volume",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Volume",
"setterDocumentation" : "/** <p>Describes a volume.</p>
@param volume Describes a volume. */",
"setterMethodName" : "setVolume",
"setterModel" : {
"variableDeclarationType" : "Volume",
"variableName" : "volume",
"variableType" : "Volume",
"documentation" : "",
"simpleType" : "Volume",
"variableSetterType" : "Volume"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>Describes a volume.</p>
@param volume Describes a volume. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "Volume",
"variableName" : "volume",
"variableType" : "Volume",
"documentation" : "<p>Describes a volume.</p>"
"simpleType" : "Volume",
"variableSetterType" : "Volume"
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
"Volume" : {
"c2jName" : "Volume",
"c2jShape" : "Volume",
"deprecated" : false,
"documentation" : "<p>Describes a volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Describes a volume.</p>
@param volume Describes a volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolume",
"getterDocumentation" : "/**<p>Describes a volume.</p>
@return Describes a volume.*/",
"getterMethodName" : "getVolume",
"getterModel" : {
"returnType" : "Volume",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Volume",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Volume",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Volume",
"setterDocumentation" : "/**<p>Describes a volume.</p>
@param volume Describes a volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolume",
"setterModel" : {
"variableDeclarationType" : "Volume",
"variableName" : "volume",
"variableType" : "Volume"
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CreateVpcEndpoint",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlnsSpaceUri" : null
},
"members" : [ {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC in which the endpoint will be used.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC in which the endpoint will be used.</p>@param
vpcId The ID of the VPC in which the endpoint will be used.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC in which the endpoint will be used.</p>@return The ID of
the VPC in which the endpoint will be used.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC in which the endpoint will be used.</p>
@param vpcId The ID of the VPC in which the endpoint will be used.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC in which the endpoint will be used.</p>
@param vpcId The ID of the VPC in which the endpoint will be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC in which the endpoint will be used.</p>
",  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ServiceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS service name, in the form</p>
<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS service name, in the form</p>
<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.&lt;/p&gt;&lt;n&gt;@param serviceName The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.&lt;n&gt;@return Returns a reference to this object so that method calls can
be chained together.&lt;/n&gt;",
"fluentSetterMethodName" : "withServiceName",
"getterDocumentation" : "/**<p>The AWS service name, in the form</p>
<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.&lt;/p&gt;&lt;n&gt;@return The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.&lt;/n&gt;",
"getterMethodName" : "getServiceName",
"getterModel" : {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ServiceName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ServiceName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ServiceName",
"setterDocumentation": "/**<p>The AWS service name, in the form<br>\<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the<br><a>DescribeVpcEndpointServices</a> request.\n\n@param serviceName The AWS service name, in the form<br>\<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the<br><a>DescribeVpcEndpointServices</a> request.\n\r\n@return Returns a reference to this object so that method calls can<br>be chained together.*/",
"setterMethodName": "setServiceName",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "serviceName",
"variableType": "String",
"documentation": "]",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The AWS service name, in the form<br>\<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the<br><a>DescribeVpcEndpointServices</a> request.\n\n@param serviceName The AWS service name, in the form<br>\<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the<br><a>DescribeVpcEndpointServices</a> request.\n\r\n@return Returns a reference to this object so that method calls can<br>be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "serviceName"
"variableType" : "String",
"documentation" : "<p>The AWS service name, in the form <code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the <a>DescribeVpcEndpointServices</a> request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.</p>
@param policyDocument A policy to attach to the endpoint that controls access to the service.
@return Returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName" : "withPolicyDocument",
"getterDocumentation" : "<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.</p>
@return A policy to attach to the endpoint that controls access to the service.
*/",
"getterMethodName" : "getPolicyDocument",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PolicyDocument",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PolicyDocument",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**<p>A policy to attach to the endpoint that controls access to the service. The policy
must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to
the service.</p>\n@param policyDocument A policy to attach to the endpoint that controls access to the service.
The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows
full access to the service.*/",
"setterMethodName" : "setPolicyDocument",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A policy to attach to the endpoint that controls access to the service. The
policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full
access to the service.</p>\n@param policyDocument A policy to attach to the endpoint that controls access to the service.
The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows
full access to the service.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : <p>A policy to attach to the endpoint that controls access to the service. The policy must
be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to
the service.</p>,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route table IDs.</p>\n@param routeTableIds One or more route table IDs.<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withRouteTableIds",
"getterDocumentation" : "/**<p>One or more route table IDs.</p>\n@return One or more route table IDs.*/", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 4105
"getMethodNames" : "getRouteTableIds",
"getModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteTableId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RouteTableId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@method getMember\n\n@return Returns a reference to this object so that\nmethod calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@method getMember\n\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "marshallLocationName" : "RouteTableId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "RouteTableId",
      "uri" : false
    }
  }
}
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/**\nOne or more route table IDs.*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "routeTableIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nOne or more route table IDs.*/\nNOTE:\nThis method appends the values to the existing list (if any). Use @link #setRouteTableIds(java.util.Collection) or @link #withRouteTableIds(java.util.Collection) if you want to override the existing values.\n*/\n@n@param routeTableIds One or more route table IDs.\n@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "routeTableIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more route table IDs.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlnsNameSpaceUri" : null,
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.\n*/
@n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.\n@n@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withClientToken",
"fluentSetterDocumentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.\n@n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.\n@n@return Returns a reference to this object so that method calls can be chained together.*/
"getterDocumentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the
request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

getterMethodName" : "getClientToken",
getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : /

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

setterMethodName" : "setClientToken",
setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}.
"simple": true,
"varargSetterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a></p>.
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "ClientToken": {
    "c2jName": "ClientToken",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withClientToken",
    "getterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.*/",
  }
}
"getterMethodName": "getClientToken",
"getterModel": {
    "returnType": "String",
    "documentation": null
  },
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ClientToken",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ClientToken",
    "uri": false
  },
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.*/",
"setterMethodName": "setClientToken",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "clientToken",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
"simple": true,
"varargSetterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.*/"
How to Ensure Idempotency

@return
Returns a reference to this object so that method calls can be chained together.

### "variable"

- **variableDeclarationType**: "String"
- **variableName**: "clientToken"
- **variableType**: "String"
- **documentation**: "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see [How to Ensure Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html).

### "PolicyDocument"

- **c2jName**: "PolicyDocument"
- **c2jShape**: "String"
- **deprecated**: false
- **documentation**: "A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.

```java
public void withPolicyDocument(String policyDocument) {
    // policyDocument
}
```

- **enumType**: null
- **fluentSetterDocumentation**: "A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.

```java
public String getPolicyDocument() {
    return policyDocument;
}
```

- **getterDocumentation**: "A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.

- **getterMethodName**: "getPolicyDocument"
- **getterModel**: {}
**PolicyDocument**

A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.

```

@<p>param policyDocument A policy to attach to the endpoint that controls access to the service.

@<p>param policyDocument A policy to attach to the endpoint that controls access to the service.

@return Returns a reference to this object so that method calls can be chained together.

```


"c2jName" : "RouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route table IDs.</p>
@param routeTableIds One or more route table IDs.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withRouteTableIds",
"getterDocumentation" : "/**<p>One or more route table IDs.</p>
@return One or more route table IDs.
*/",
"getterMethodName" : "getRouteTableIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteTableId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RouteTableId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.
*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return
*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member
 */",
"setterMethodName": "setMember",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "complexType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that
 * method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "complexType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
}
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/*<p>One or more route table IDs.</p>
@param routeTableIds One or more route table IDs.*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more route table IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use 
@link #setRouteTableIds(java.util.Collection) or 
@link #withRouteTableIds(java.util.Collection) if you want to override the existing values.</p>
@param routeTableIds One or more route table IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more route table IDs.</p>
  <p>simpleType</p> : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
"xmlNameSpaceUri" : null,
},
"ServiceName" : {
  "c2jName" : "ServiceName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The AWS service name, in the form
  <code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
  <a>DescribeVpcEndpointServices</a> request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The AWS service name, in the form
  <code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
  <a>DescribeVpcEndpointServices</a> request.</p>",
  "expertType" : false,
  "interfaceClass" : null,
  "SimpleType" : false,
To get a list of available services, use the <a>DescribeVpcEndpointServices</a> request.

```java
public DescribeVpcEndpointServicesResponse serviceName(String serviceName) {
    // Implementation...
}
```

**getters and setters documentation**

**fluentSetterMethodName** : "withServiceName",

**getterDocumentation** : "The AWS service name, in the form com.amazonaws.<i>region</i>.<i>service</i>.
To get a list of available services, use the <a>DescribeVpcEndpointServices</a> request.

**getterMethodName** : "getServiceName",

**getterModel** : { "returnType" : "String", "documentation" : null },


**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "ServiceName",

**setterDocumentation** : "The AWS service name, in the form com.amazonaws.<i>region</i>.<i>service</i>.
To get a list of available services, use the <a>DescribeVpcEndpointServices</a> request.

**setterMethodName** : "setServiceName",

**setterModel** : { "variableDeclarationType" : "String", "variableName" : "serviceName", "variableType" : "String", "documentation" : "" },
The AWS service name, in the form `<code>com.amazonaws.<i>region</i>.<i>service</i>`.
To get a list of available services, use the `<a>DescribeVpcEndpointServices</a>` request.

```java
@Param
public void setServiceName(String serviceName)

public String getServiceName()
```

The ID of the VPC in which the endpoint will be used.
To get a list of available services, use the `<a>DescribeVpcEndpointServices</a>` request.

```java
@Param
public void setVpcId(String vpcId)

public String getVpcId()
```
The ID of the VPC in which the endpoint will be used.

@vararg

The ID of the VPC in which the endpoint will be used.

@returns

Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The ID of the VPC in which the endpoint will be used.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "vpcId", "ServiceName" ],
"shapeName" : "CreateVpcEndpointRequest",
"unmarshaller" : null,
"variable" : { 
  "variableDeclarationType" : "CreateVpcEndpointRequest",
  "variableName" : "createVpcEndpointRequest",
  "variableType" : "CreateVpcEndpointRequest",
  "documentation" : null,
"simpleType" : "CreateVpcEndpointRequest",
"variableSetterType" : "CreateVpcEndpointRequest"
},
"wrapper" : false
),
"CreateVpcEndpointResult" : {
"c2jName" : "CreateVpcEndpointResult",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateVpcEndpoint.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
    "c2jName" : "VpcEndpoint",
    "c2jShape" : "VpcEndpoint",
    "deprecated" : false,
    "documentation" : "<p>Information about the endpoint.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : /** <p>Information about the endpoint.</p>
    * @param vpcEndpoint Information about the endpoint.
    * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withVpcEndpoint",
    "getterDocumentation" : /** <p>Information about the endpoint.</p>
    * @return Information about the endpoint.
    */",
    "getterMethodName" : "getVpcEndpoint",
    "getterModel" : {
        "returnType" : "VpcEndpoint",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "VpcEndpoint",
        "statusCode" : null
    }
}];

"variableSetterType" : ":CreateVpcEndpointRequest"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcEndpoint",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcEndpoint",
"setterDocumentation" : "/**<p>Information about the endpoint.</p>
@param vpcEndpoint Information about the endpoint.*/",
"setterMethodName" : "setVpcEndpoint",
"setterModel" : {
  "variableDeclarationType" : "VpcEndpoint",
  "variableName" : "vpcEndpoint",
  "variableType" : "VpcEndpoint",
  "documentation" : "",
  "simpleType" : "VpcEndpoint",
  "variableSetterType" : "VpcEndpoint"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the endpoint.</p>
@param vpcEndpoint Information about the endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcEndpoint",
  "variableName" : "vpcEndpoint",
  "variableType" : "VpcEndpoint",
  "documentation" : "<p>Information about the endpoint.</p>
","variableSetterType" : "VpcEndpoint"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/".  

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"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/*<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
])
,"membersAsMap" : {
"ClientToken" : {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/"}
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request.*/*",
    "setterMethodName" : "setClientToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"VpcEndpoint" : {
    "c2jName" : "VpcEndpoint",
    "c2jShape" : "VpcEndpoint",
    "deprecated" : false,
    "documentation" : "<p>Information about the endpoint.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the endpoint.</p>
@param vpcEndpoint Information about the endpoint.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withVpcEndpoint",
    "getterDocumentation" : "/**<p>Information about the endpoint.</p>
@return Information about the endpoint.</p>*/",
    "getterMethodName" : "getVpcEndpoint",
    "getterModel" : {
        "returnType" : "VpcEndpoint",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
"setterDocumentation" : /**<p>Information about the endpoint.</p>
@param vpcEndpoint Information about the endpoint.*/
"setterMethodName" : "setVpcEndpoint",
"setterModel" : {
  "variableDeclarationType" : "VpcEndpoint",
  "variableName" : "vpcEndpoint",
  "variableType" : "VpcEndpoint",
  "documentation" : "",
  "simpleType" : "VpcEndpoint",
  "variableSetterType" : "VpcEndpoint"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>Information about the endpoint.</p>
@param vpcEndpoint Information about the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "VpcEndpoint",
  "variableName" : "vpcEndpoint",
  "variableType" : "VpcEndpoint",
  "documentation" : "<p>Information about the endpoint.</p>",
  "simpleType" : "VpcEndpoint",
  "variableSetterType" : "VpcEndpoint"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CreateVpcEndpointResult",
"marshaller" : {
  "flattened" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcEndpoint",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcEndpoint",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcEndpoint",
"setterDocumentation" : /**<p>Information about the endpoint.</p>\n@param vpcEndpoint Information about the endpoint.*/
"setterMethodName" : "setVpcEndpoint",
"setterModel" : {
  "variableDeclarationType" : "VpcEndpoint",
  "variableName" : "vpcEndpoint",
  "variableType" : "VpcEndpoint",
  "documentation" : "",
  "simpleType" : "VpcEndpoint",
  "variableSetterType" : "VpcEndpoint"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>Information about the endpoint.</p>
@param vpcEndpoint Information about the endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "VpcEndpoint",
  "variableName" : "vpcEndpoint",
  "variableType" : "VpcEndpoint",
  "documentation" : "<p>Information about the endpoint.</p>",
  "simpleType" : "VpcEndpoint",
  "variableSetterType" : "VpcEndpoint"
},
"xmlNameSpaceUri" : null
}
"resultWrapper" : null,
],
"variable" : {
  "variableDeclarationType" : "CreateVpcEndpointResult",
  "variableName" : "createVpcEndpointResult",
  "variableType" : "CreateVpcEndpointResult",
  "documentation" : null,
  "simpleType" : "CreateVpcEndpointResult",
  "variableSetterType" : "CreateVpcEndpointResult"
},
"wrapper" : false
},
"CreateVpcPeeringConnectionRequest" : {
  "c2jName" : "CreateVpcPeeringConnectionRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshalller" : false
  },
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Contains the parameters for CreateVpcPeeringConnection.&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateVpcPeeringConnection",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The ID of the requester VPC.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*&lt;p&gt;The ID of the requester VPC.&lt;/p&gt;&lt;@param vpcId The ID of the requester VPC.&lt;@return Returns a reference to this object so that method calls can be chained together.&lt;/@param&gt;&lt;/@return&gt;&lt;/@method&gt;&lt;/@method&gt;*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/*&lt;p&gt;The ID of the requester VPC.&lt;/p&gt;&lt;@return The ID of the requester VPC.&lt;/@return&gt;&lt;/@method&gt;&lt;/@method&gt;*/",
    "getterMethodName" : "getVpcId",
    "getterModel" : {}
"returnType": "String",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VpcId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "vpcId",
  "uri": false
},
{idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**\n<p>The ID of the requester VPC.</p>@param vpcId The ID of the requester VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the requester VPC.</p>@param vpcId The ID of the requester VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the requester VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}.}
"c2jName" : "PeerVpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC with which you are creating the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC with which you are creating the VPC peering connection.</p>
@param peerVpcId The ID of the VPC with which you are creating the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The ID of the VPC with which you are creating the VPC peering connection.</p>
@return The ID of the VPC with which you are creating the VPC peering connection.*/",
"getterMethodName" : "getPeerVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PeerVpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "peerVpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PeerVpcId",
"setterDocumentation" : "/**<p>The ID of the VPC with which you are creating the VPC peering connection.</p>
@param peerVpcId The ID of the VPC with which you are creating the VPC peering connection.
*/",
"setterMethodName" : "setPeerVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "peerVpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC with which you are creating the VPC peering connection.\n@param peerVpcId The ID of the VPC with which you are creating the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
"variableDeclarationType": "String",
"variableName": "peerVpcId",
"variableType": "String",
"documentation": "<p>The ID of the VPC with which you are creating the VPC peering connection.</p>\n@param peerVpcId The ID of the VPC with which you are creating the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"xmlNameSpaceUri": null
"c2jName": "PeerOwnerId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The AWS account ID of the owner of the peer VPC.</p>\n@return The AWS account ID of the owner of the peer VPC.
\n@param peerOwnerId The AWS account ID of the owner of the peer VPC.
\n@return Returns a reference to this object so that method calls can be chained together.*/",

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PeerOwnerId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "peerOwnerId",
"uri": false
}"}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The AWS account ID of the owner of the peer VPC.</p>\n@return The AWS account ID of the owner of the peer VPC.
\n@param peerOwnerId The AWS account ID of the owner of the peer VPC.
\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName": "withPeerOwnerId",
"getterDocumentation": "/**<p>The AWS account ID of the owner of the peer VPC.</p>\n@return The AWS account ID of the owner of the peer VPC.
\n@param peerOwnerId The AWS account ID of the owner of the peer VPC.
\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName": "getPeerOwnerId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PeerOwnerId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "peerOwnerId",
"uri": false
}
"name" : "PeerOwnerId",
"setterDocumentation" : "/**\n<p>The AWS account ID of the owner of the peer VPC.\</p> \n@param peerOwnerId The AWS account ID of the owner of the peer VPC.\</p> \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "peerOwnerId",
"variableType" : "String",
"documentation" : "<p>The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID</p> "
,"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"PeerOwnerId" : {
"c2jName" : "PeerOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID</p> ",
"complexType" : null,
"fluentSetterDocumentation" : "/**\n<p>The AWS account ID of the owner of the peer VPC.\</p> \n@param peerOwnerId The AWS account ID of the owner of the peer VPC.\</p> \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPeerOwnerId",}
"getterDocumentation" : "/**<p>The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID</p>@return The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID*/",
"getterMethodName" : "getPeerOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PeerOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "peerOwnerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PeerOwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID</p>@param peerOwnerId The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID*/",
"setterMethodName" : "setPeerOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "peerOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID</p>@param peerOwnerId The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "peerOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableName" : "peerOwnerId",
"variableType" : "String",
"documentation" : "<p>The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PeerVpcId" : {
"c2jName" : "PeerVpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC with which you are creating the VPC peering connection.</p>

/*

@returns {string} Returns a reference to this object so that method calls can be chained together.
*/
"getterMethodName" : "getPeerVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "PeerVpcId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "peerVpcId",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PeerVpcId",
"setterDocumentation" : "/*<p>The ID of the VPC with which you are creating the VPC peering connection.</p>

@returns {string} Returns a reference to this object so that method calls can be chained together.
*/
"setterMethodName" : "withPeerVpcId",
"getterDocumentation" : "/*<p>The ID of the VPC with which you are creating the VPC peering connection.</p>

@returns {string} Returns a reference to this object so that method calls can be chained together.
*/
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
@param peerVpcId The ID of the VPC with which you are creating the VPC peering connection.

```java
public void setPeerVpcId(String peerVpcId) {
    this.peerVpcId = peerVpcId;
}
```

```java
public String getPeerVpcId() {
    return peerVpcId;
}
```

@varargSetterDocumentation

@getterDocumentation

@setterMethodName

@.setterModel

@getterMethodName

@xmlNameSpaceUri

@http
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the requester VPC.</p>
@param vpcId The ID of the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the requester VPC.
@param vpcId The ID of the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the requester VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateVpcPeeringConnectionRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateVpcPeeringConnectionRequest",
"variableName" : "createVpcPeeringConnectionRequest",
"variableType" : "CreateVpcPeeringConnectionRequest"}
"documentation" : null,
"simpleType" : "CreateVpcPeeringConnectionRequest",
"variableSetterType" : "CreateVpcPeeringConnectionRequest"
},
"wrapper" : false
},
"CreateVpcPeeringConnectionResult" : {
"c2jName" : "CreateVpcPeeringConnectionResult",
"customization" : {
"artifactResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecation" : false,
"documentation" : "<p>Contains the output of CreateVpcPeeringConnection.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
{
"c2jName" : "VpcPeeringConnection",
"c2jShape" : "VpcPeeringConnection",
"deprecation" : false,
"documentation" : "<p>Information about the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@return Information about the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnection",
"getterModel" : {
"returnType" : "VpcPeeringConnection",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnection",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcPeeringConnection",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnection",
"setterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param vpcPeeringConnection Information about the VPC peering connection.*="/",
"setterMethodName" : "setVpcPeeringConnection",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "vpcPeeringConnection",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "vpcPeeringConnection",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "<p>Information about the VPC peering connection.</p>",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
} 
,
"membersAsMap" : {
"VpcPeeringConnection" : {
  "c2jName" : "VpcPeeringConnection",
  "c2jShape" : "VpcPeeringConnection",
  "deprecated" : false,
  "documentation" : "<p>Information about the VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*="/".

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"fluentSetterMethodName": "withVpcPeeringConnection",
"getterDocumentation": "/**\n\<p>Information about the VPC peering connection.</p>\n\return Information about the VPC peering connection.*/",
"getterMethodName": "getVpcPeeringConnection",
"getterModel": {
"returnType": "VpcPeeringConnection",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcPeeringConnection",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcPeeringConnection",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcPeeringConnection",
"setterDocumentation": "/**\n\<p>Information about the VPC peering connection.</p>\n\param vpcPeeringConnection Information about the VPC peering connection.*/",
"setterMethodName": "setVpcPeeringConnection",
"setterModel": {
"variableDeclarationType": "VpcPeeringConnection",
"variableName": "vpcPeeringConnection",
"variableType": "VpcPeeringConnection",
"documentation": "",
"simpleType": "VpcPeeringConnection",
"variableSetterType": "VpcPeeringConnection"
},
"simple": false,
"varargSetterDocumentation": "/**\n\<p>Information about the VPC peering connection.</p>\n\param vpcPeeringConnection Information about the VPC peering connection.\n\return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "VpcPeeringConnection",
"variableName": "vpcPeeringConnection",
"variableType": "VpcPeeringConnection"}
"documentation" : "Information about the VPC peering connection.",
"simpleType" : "VpcPeeringConnection",
"variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CreateVpcPeeringConnectionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateVpcPeeringConnectionResult",
  "variableName" : "createVpcPeeringConnectionResult",
  "variableType" : "CreateVpcPeeringConnectionResult",
  "documentation" : null,
  "simpleType" : "CreateVpcPeeringConnectionResult",
  "variableSetterType" : "CreateVpcPeeringConnectionResult"
},
"wrapper" : false
},
"CreateVpcRequest" : {
  "c2jName" : "CreateVpcRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the parameters for CreateVpc.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "required" : null,
  "shapeName" : "CreateVpcRequest",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "createVpcRequest",
    "variableType" : "CreateVpcRequest",
    "documentation" : null,
    "simpleType" : "CreateVpcRequest",
    "variableSetterType" : "CreateVpcRequest"
  },
  "wrapper" : false
},
"members": [ {
  "c2jName": "CidrBlock",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  
  The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  \n  @param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation": "The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  \n  @param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getCidrBlock",
  "getterModel": { "returnType": "String", "documentation": null },
  "http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": false, "isStreaming": false, "location": null, "marshallLocationName": "CidrBlock", "queryString": false, "statusCode": false, "unmarshallLocationName": "CidrBlock", "uri": false },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "CidrBlock",
  "setterDocumentation": "The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  \n  The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  \n  @param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For example,
  \[10.0.0.0/16\].\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setCidrBlock",
  "setterModel": { "variableDeclarationType": "String",
"variableName" : "cidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.\n@param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "cidrBlock",
"variableType" : "String",
"documentation" : "The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>host</code> into a dedicated tenancy VPC. <p>\n@b>Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.\n</p>
@param instanceTenancy The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>host</code> into a dedicated tenancy VPC. <p>\n@b>Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.\n</p>
@return Returns a reference to this object so that method calls can be chained together.\n@see Tenancy*/",
"fluentSetterDocumentation" : "/**<p>The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>host</code> into a dedicated tenancy VPC. <p>\n@b>Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.\n</p>
@param instanceTenancy The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>host</code> into a dedicated tenancy VPC. <p>\n@b>Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.\n</p>
@return Returns a reference to this object so that method calls can be chained together.\n@see Tenancy*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/**<p>The tenancy options for instances launched into the VPC. For
<code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC.

<p><b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>

Default: <code>default</code>

Return The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC.

<p><b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>

Default: <code>default</code>

@see Tenancy*/
<code>host</code> into a dedicated tenancy VPC. The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.

### PARAMETERS

**instanceTenancy**

- **Default**: <code>default</code>

**Description**

The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. **Important**: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.

Default: <code>default</code>

```java
@see Tenancy*/
```

```java
public void setInstanceTenancy(String instanceTenancy) {
    this.instanceTenancy = instanceTenancy;
    this.withDefaultIfMissing(instanceTenancy);
}
```

```java
public String getInstanceTenancy() {
    return instanceTenancy;
}
```

```java
@see Tenancy*/
```

## OTHER NOTES

You cannot specify the range of IP addresses, or the size of the CIDR block.
"fluentSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.<n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAmazonProvidedIpv6CidrBlock",
"getterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.*/",
"getterMethodName" : "getAmazonProvidedIpv6CidrBlock",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AmazonProvidedIpv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amazonProvidedIpv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmazonProvidedIpv6CidrBlock",
"setterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.<n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAmazonProvidedIpv6CidrBlock",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "amazonProvidedIpv6CidrBlock",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
"simple" : true,
"varargSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "amazonProvidedIpv6CidrBlock",
  "variableType" : "Boolean",
  "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AmazonProvidedIpv6CidrBlock" : {
    "c2jName" : "AmazonProvidedIpv6CidrBlock",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAmazonProvidedIpv6CidrBlock",
    "getterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n@\n@return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getAmazonProvidedIpv6CidrBlock",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AmazonProvidedIpv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amazonProvidedIpv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmazonProvidedIpv6CidrBlock",
"setterDocumentation" : "/**
<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.*\/",
"setterMethodName" : "setAmazonProvidedIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "amazonProvidedIpv6CidrBlock",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*\/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "amazonProvidedIpv6CidrBlock",
  "variableType" : "Boolean",
  "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
"CidrBlock" : {
  "c2jName" : "CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
The IPv4 network range for the VPC, in CIDR notation. For example, `<code>10.0.0.0/16</code>.

```
/**
 * The IPv4 network range for the VPC, in CIDR notation. For example, 
 * `<code>10.0.0.0/16</code>`.
 * @param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For
 * example, `<code>10.0.0.0/16</code>`.
 * @return Returns a reference to this object so that method calls can be
 * chained together.*
 */

public void withCidrBlock(String cidrBlock)

/**
 * The IPv4 network range for the VPC, in CIDR notation. For example,
 * `<code>10.0.0.0/16</code>`.
 * @return The IPv4 network range for the VPC, in CIDR notation. For example,
 * `<code>10.0.0.0/16</code>`.
 */

public String getCidrBlock()

```
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code></p>
@param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"InstanceTenancy" : {
  "c2jName" : "InstanceTenancy",
  "c2jShape" : "Tenancy",
  "deprecated" : false,
  "documentation" : "The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. <p>Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>
  <p>Default: <code>default</code></p>
  @return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. <p>Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>
  <p>Default: <code>default</code></p>
  @return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/"}
cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only. 

Default: <code>default</code>

The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. 

Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.

Default: <code>default</code>

The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. 

Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.

Default: <code>default</code>

The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. 

Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.

Default: <code>default</code>

The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. 

Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.

Default: <code>default</code>

The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. 

Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.

Default: <code>default</code>

The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. 

Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.
The tenancy options for instances launched into the VPC. For
<code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any
tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy
instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or
<code>host</code> into a dedicated tenancy VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch
instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as
dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or
<code>host</code> into a dedicated tenancy VPC. <code>Default: <code>default</code></code>
<p><b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>
@end
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The tenancy options for instances launched into the VPC. For
<code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any
tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy
instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or
<code>host</code> into a dedicated tenancy VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch
instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as
dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or
<code>host</code> into a dedicated tenancy VPC. <code>Default: <code>default</code></code>
<p><b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>
@end
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "CidrBlock" ],
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"unmarshaller" : null,
"variable" : {
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"variableName" : "createVpcRequest",
"variableType" : "CreateVpcRequest"};
"documentation" : null,
"simpleType" : "CreateVpcRequest",
"variableSetterType" : "CreateVpcRequest"
},
"wrapper" : false

"CreateVpcResult" : {
  "c2jName" : "CreateVpcResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateVpc.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
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      "c2jShape" : "Vpc",
      "deprecated" : false,
      "documentation" : "<p>Information about the VPC.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the VPC.</p>*/
      returns a reference to this object so that method calls can be chained together.
      */",
      "fluentSetterMethodName" : "withVpc",
      "getterDocumentation" : "/**<p>Information about the VPC.</p>*/
      @return Information about the VPC.
      */",
      "getterMethodName" : "getVpc",
      "getModel" : {
        "returnType" : "Vpc",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Vpc",
        "documentation" : null,
        "discardBody" : false
      }
    }
  ],
  "operationName" : "CreateVpc",
  "validator" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpc",
"uri" : false
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,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Vpc",
"setterDocumentation" : "/**<p>Information about the VPC.</p>
@param vpc Information about the VPC.*/",
"setterMethodName" : "setVpc",
"setterModel" : {
  "variableDeclarationType" : "Vpc",
  "variableName" : "vpc",
  "variableType" : "Vpc",
  "documentation" : "",
  "simpleType" : "Vpc",
  "variableSetterType" : "Vpc"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC.</p>
@param vpc Information about the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpc",
  "variableType" : "Vpc",
  "documentation" : "<p>Information about the VPC.</p>",
  "simpleType" : "Vpc",
  "variableSetterType" : "Vpc"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "Vpc" : {
    "c2jName" : "Vpc",
    "c2jShape" : "Vpc",
    "deprecated" : false,
    "documentation" : "<p>Information about the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the VPC.</p>
@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpc",
    "getterDocumentation" : "/**<p>Information about the VPC.</p>
@returns Information about the VPC.*/",
    "getMethodName" : "getVpc",
    "getterModel" : {
      "variableDeclarationType" : "Vpc",
      "variableName" : "vpc",
      "variableType" : "Vpc",
      "documentation" : "<p>Information about the VPC.</p>",
      "simpleType" : "Vpc",
      "variableSetterType" : "Vpc"
    }
  }
}

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"returnType" : "Vpc",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Vpc",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "vpc",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Vpc",
"setterDocumentation" : "/**<p>Information about the VPC.</p>
@param vpc Information about the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpc",
"setterModel" : {
 "variableDeclarationType" : "Vpc",
 "variableName" : "vpc",
 "variableType" : "Vpc",
 "documentation" : "",
 "simpleType" : "Vpc",
 "variableSetterType" : "Vpc"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC.</p>
@param vpc Information about the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Vpc",
 "variableName" : "vpc",
 "variableType" : "Vpc",
 "documentation" : "<p>Information about the VPC.</p>",
 "simpleType" : "Vpc",
 "variable SetterType" : "Vpc"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableDeclarationType" : "CreateVpcResult",
  "variableName" : "createVpcResult",
  "variableType" : "CreateVpcResult",
  "documentation" : null,
  "simpleType" : "CreateVpcResult",
  "variableSetterType" : "CreateVpcResult"
},
"wrapper" : false
},
"CreateVpnConnectionRequest" : {
  "c2jName" : "CreateVpnConnectionRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateVpnConnection.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateVpnConnection",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "Type",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The type of VPN connection (<code>ipsec.1</code>).</p>"}]}
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The type of VPN connection (<code>ipsec.1</code>). </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
 "c2jName" : "CustomerGatewayId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the customer gateway.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>
 @param customerGatewayId
 @return The ID of the customer gateway.</p>*/",
 "getterDocumentation" : "/**<p>The ID of the customer gateway.</p>
 @return The ID of the customer gateway.
 */",
 "getterMethodName" : "getCustomerGatewayId",
 "getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
 "http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CustomerGatewayId",
  "uri" : false
},
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "CustomerGatewayId",
 "setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
 @param customerGatewayId
 @return The ID of the customer gateway.
 */"};
the customer gateway.

setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "customerGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId
The ID of the customer gateway.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "customerGatewayId",
"variableType" : "String",
"documentation" : "<p>The ID of the customer gateway.</p>
@param customerGatewayId
The ID of the customer gateway.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "VpnGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>
@return The ID of the virtual private gateway.
@returns Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId
The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withVpnGatewayId",
"getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@return The ID of the virtual private gateway.*/",
"getterMethodName" : "getVpnGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpnGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnGatewayId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "Options",
"c2jShape" : "VpnConnectionOptionsSpecification",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>.
</p>"
routes. If you are creating a VPN connection for a device that does not support BGP, you must specify
<code>true</code>.

Default: <code>false</code>

- Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withOptions",
    "getterDocumentation" : "**Indicates whether the VPN connection requires static routes. If you are creating
a VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>
- Default: <code>false</code>

- Returns a reference to this object so that method calls can be chained together.*",

    "getterMethodName" : "getOptions",
    "getterModel" : {
        "returnType" : "VpnConnectionOptionsSpecification",
        "documentation" : null
    },

    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Options",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "options",
        "uri" : false
    },

    "idempotencyToken" : false,

    "list" : false,

    "listModel" : null,

    "map" : false,

    "mapModel" : null,

    "name" : "Options",

    "setterDocumentation" : "**Indicates whether the VPN connection requires static routes. If you are creating
a VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>
- Default: <code>false</code>.

- Returns a reference to this object so that method calls can be chained together.*",

    "setterMethodName" : "setOptions",

    "setterModel" : {
        "variableDeclarationType" : "VpnConnectionOptionsSpecification",
        "variableName" : "options",
        "variableType" : "VpnConnectionOptionsSpecification",
        "documentation" : "",
        "simpleType" : "VpnConnectionOptionsSpecification",
        "variableSetterType" : "VpnConnectionOptionsSpecification"}
"simple": false,
  "varargSetterDocumentation": /** <p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. </p> <p>Default: <code>false</code> </p> @param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. </p> <p>Default: <code>false</code> </p> @return Returns a reference to this object so that method calls can be chained together. */
,
  "variable": {
    "variableDeclarationType": "VpnConnectionOptionsSpecification",
    "variableName": "options",
    "variableType": "VpnConnectionOptionsSpecification",
    "documentation": "<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. </p> <p>Default: <code>false</code> </p>
  }},
  "membersAsMap": {
    "CustomerGatewayId": {
      "c2jName": "CustomerGatewayId",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The ID of the customer gateway.</p>",
      "enumType": null,
      "fluentSetterDocumentation": /**<p>The ID of the customer gateway.</p>
     @param customerGatewayId The ID of the customer gateway.
     @return Returns a reference to this object so that method calls can be chained together. */
     ,
      "fluentSetterMethodName": "withCustomerGatewayId",
      "getterDocumentation": "/**<p>The ID of the customer gateway.</p>
      @return The ID of the customer gateway. */
      ,
      "getterMethodName": "getCustomerGatewayId",
      "getterModel": {
        "returnType": "String",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "CustomerGatewayId",
        "simple": false,
        "varargSetterDocumentation": /*<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. </p> <p>Default: <code>false</code> </p> @param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. </p> <p>Default: <code>false</code> </p> @return Returns a reference to this object so that method calls can be chained together. */
,
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CustomerGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@n@param customerGatewayId The ID of the customer gateway.<n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the customer gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Options" : {
  "c2jName" : "Options",
  "c2jShape" : "VpnConnectionOptionsSpecification",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code></p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code> */\n@n@param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify"
<code>true</code>.</p>
<p>Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withOptions",
"getterDocumentation" : "/**<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>
<p>Default: <code>false</code></p>

@return Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>

Default: <code>false</code> */",
"getterMethodName" : "getOptions",
"getterModel" : {
"returnType" : "VpnConnectionOptionsSpecification",
"documentation" : "null"
},
"http" : {
"additionalMarshallingPath" : "null",
"additionalUnmarshallingPath" : "null",
"flattened" : "false",
"greedy" : "false",
"header" : "false",
"isPayload" : "false",
"isStreaming" : "false",
"location" : "null",
"marshallLocationName" : "Options",
"queryString" : "false",
"statusCode" : "false",
"unmarshallLocationName" : "options",
"uri" : "false"
},
"idempotencyToken" : "false",
"list" : "false",
"listModel" : "null",
"map" : "false",
"mapModel" : "null",
"name" : "Options",
"setterDocumentation" : "/**<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>
<p>Default: <code>false</code></p>

@return Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>

Default: <code>false</code> */",
"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "VpnConnectionOptionsSpecification",
"variableName" : "options",
"variableType" : "VpnConnectionOptionsSpecification",
"documentation" : "",
"simpleType" : "VpnConnectionOptionsSpecification",
"variableSetterType" : "VpnConnectionOptionsSpecification"}
"simple" : false,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>
\n@param options Indicates whether the VPN connection requires static routes. If you are creating a
VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpnConnectionOptionsSpecification",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptionsSpecification",
  "documentation" : "<p>Indicates whether the VPN connection requires static routes. If you are creating a
VPN connection for a device that does not support BGP, you must specify <code>true</code>.</p> 
<p>Default: <code>false</code> </p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "VpnConnectionOptionsSpecification"
},
"xmlNameSpaceUri" : null
},
"Type" : {
  "c2jName" : "Type",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The type of VPN connection (<code>ipsec.1</code>).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The type of VPN connection (<code>ipsec.1</code>).</p>
\n@param type The type of VPN connection (<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**<p>The type of VPN connection (<code>ipsec.1</code>).\n\n@return The type of VPN connection (<code>ipsec.1</code>).*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshalLocationName" : "Type",
    "queryString" : false,
    "statusName" : false,
    "statusCode" : false,
"unmarshallLocationName" : "Type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**\n * The type of VPN connection (\<code\>ipsec.1\</code\>).\*/",
"setterMethodName" : "setType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "The type of VPN connection (\<code\>ipsec.1\</code\>).\*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"VpnGatewayId" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the virtual private gateway.\*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n * The ID of the virtual private gateway.\*/
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 * Returns a reference to this object so that method calls can be
 chained together.\*/",
  "fluentSetterMethodName" : "withVpnGatewayId",
  "getterDocumentation" : "/**\n * The ID of the virtual private gateway.\*/
 @return The ID of the virtual private gateway.\*/",
  "getterMethodName" : "getVpnGatewayId",
  "getterModel" : {
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    "variableName" : "VpnGatewayId",
    "variableType" : "VpnGatewayId",
    "documentation" : "The ID of the virtual private gateway.\*/",
    "simpleType" : "VpnGatewayId",
    "variableSetterType" : "VpnGatewayId"
  }
}
"returnType" : "String",
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n@<p>The ID of the virtual private gateway.</p>
\n@param vpnGatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
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  "variableName" : "vpnGatewayId",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@<p>The ID of the virtual private gateway.</p>
\n@param vpnGatewayId The ID of the virtual private gateway.*/
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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"shapeName" : "CreateVpnConnectionRequest",
"unmarshaller" : null,
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  "variableDeclarationType" : "CreateVpnConnectionRequest",
  "variableName" : "createVpnConnectionRequest",
  "variableType" : "CreateVpnConnectionRequest",
  "documentation" : null,
  "simpleType" : "CreateVpnConnectionRequest",
  "variableSetterType" : "CreateVpnConnectionRequest"
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"wrapper" : false,
"CreateVpnConnectionResult" : {
  "c2jName" : "CreateVpnConnectionResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateVpnConnection.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
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  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "deprecated" : false,
    "documentation" : "<p>Information about the VPN connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the VPN connection.</p>\n@param vpnConnection Information about the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpnConnection",
    "getterDocumentation" : "/**<p>Information about the VPN connection.</p>\n@return Information about the VPN connection.*/",
    "getterMethodName" : "getVpnConnection",
    "getterModel" : {

"returnType" : "VpnConnection",
"documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpnConnection",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnConnection",
"setterDocumentation" : "/**
@param vpnConnection
Information about the VPN connection.
*/",
"setterMethodName" : "setVpnConnection",
"setterModel" : {
  "variableDeclarationType" : "VpnConnection",
  "variableName" : "vpnConnection",
  "variableType" : "VpnConnection",
  "documentation" : "",
  "simpleType" : "VpnConnection",
  "variableSetterType" : "VpnConnection"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param vpnConnection
Information about the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableName" : "vpnConnection",
  "variableType" : "VpnConnection",
  "documentation" : "<p>Information about the VPN connection.</p>",
  "simpleType" : "VpnConnection",
  "variableSetterType" : "VpnConnection"
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    "c2jShape": "VpnConnection",
    "deprecated": false,
    "documentation": "<p>Information about the VPN connection.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Information about the VPN connection.</p>
@param vpnConnection
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chained together.*/",
    "fluentSetterMethodName": "withVpnConnection",
    "getterDocumentation": "/**<p>Information about the VPN connection.</p>
@return Information about the
VPN connection.*/",
    "getterMethodName": "getVpnConnection",
    "getterModel": {
      "returnType": "VpnConnection",
      "documentation": null
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "vpnConnection",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
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    "setterDocumentation": "/**<p>Information about the VPN connection.</p>
@param vpnConnection
Information about the VPN connection.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
    "setterMethodName": "setVpnConnection",
    "setterModel": {
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      "variableName": "vpnConnection",
      "variableType": "VpnConnection",
      "documentation": ""
    }
  }
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"simpleType" : "VpnConnection",
"variableSetterType" : "VpnConnection"
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"simple" : false,
"varargSetterDocumentation" : "///<p>Information about the VPN connection.
@param vpnConnection
Information about the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "vpnConnection",
"variableType" : "VpnConnection",
"documentation" : "<p>Information about the VPN connection.</p>",
"simpleType" : "VpnConnection",
"variableSetterType" : "VpnConnection"
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
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"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "CreateVpnConnectionResult",
"variableName" : "createVpnConnectionResult",
"variableType" : "CreateVpnConnectionResult",
"documentation" : null,
"simpleType" : "CreateVpnConnectionResult",
"variableSetterType" : "CreateVpnConnectionResult"
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"wrapper" : false
},
"CreateVpnConnectionRouteRequest" : {
"c2jName" : "CreateVpnConnectionRouteRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateVpnConnectionRoute.</p>",
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"members" : [
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPN connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
     * Return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpnConnectionId",
    "getterDocumentation" : "/**<p>The ID of the VPN connection.</p>
     * Return The ID of the VPN connection.*/",
    "getterMethodName" : "getVpnConnectionId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpnConnectionId",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
  }
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"name": "VpnConnectionId",
"setterDocumentation": "/**<p>The ID of the VPN connection.<p>/n@param vpnConnectionId The ID of the VPN connection.</p>*/",
"setterMethodName": "setVpnConnectionId",
"setterModel": {
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  "variableName": "vpnConnectionId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPN connection.<p>/n@param vpnConnectionId The ID of the VPN connection.<p>/n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The ID of the VPN connection.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "DestinationCidrBlock",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The CIDR block associated with the local subnet of the customer network.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The CIDR block associated with the local subnet of the customer network.<p>/n@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.<p>/n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDestinationCidrBlock",
"getterDocumentation": "/**<p>The CIDR block associated with the local subnet of the customer network.<p>/n@return The CIDR block associated with the local subnet of the customer network.*/",
"getterMethodName": "getDestinationCidrBlock",
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DestinationCidrBlock",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterMethodName": "setDestinationCidrBlock",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n<p>The CIDR block associated with the local subnet of the customer network.</p>\n@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"membersAsMap": {
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The CIDR block associated with the local subnet of the customer network.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The CIDR block associated with the local subnet of the customer network.</p>\n@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName": "destinationCidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}.
"xmlNameSpaceUri": null
}].
network.

@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@return The CIDR block associated with the local subnet of the customer network.*/",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.

@return Returns a reference to this object so that method calls can be chained together.*/"
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"documentation": "<p>The CIDR block associated with the local subnet of the customer network.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"VpnConnectionId": {
"c2jName": "VpnConnectionId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPN connection.</p>",
"enumType": null,
"fluentSetterDocumentation": "/** <p>The ID of the VPN connection.</p> */
@param vpnConnectionId The ID of the VPN connection.
@returns Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName": "withVpnConnectionId",
"getterDocumentation": "/** <p>The ID of the VPN connection.</p> */
@returns The ID of the VPN connection.
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"getterMethodName": "getVpnConnectionId",
"getterModel": {
"returnType": "String",
"documentation": null
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VpnConnectionId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpnConnectionId",
"setterDocumentation": "/** <p>The ID of the VPN connection.</p> */
@param vpnConnectionId The ID of
the VPN connection.*/
"setterMethodName" : "setVpnConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "\n<p>The ID of the VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpnConnectionId", "DestinationCidrBlock" ],
"shapeName" : "CreateVpnConnectionRouteRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateVpnConnectionRouteRequest",
  "variableName" : "createVpnConnectionRouteRequest",
  "variableType" : "CreateVpnConnectionRouteRequest",
  "documentation" : null,
  "simpleType" : "CreateVpnConnectionRouteRequest",
  "variableSetterType" : "CreateVpnConnectionRouteRequest"
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"wrapper" : false,
"CreateVpnConnectionRouteResult" : {
  "c2jName" : "CreateVpnConnectionRouteResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
}
"deprecated": false,
"documentation": null,
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CreateVpnConnectionRouteResult",
"unmarshaller": {,
  "flattened": false,
  "resultWrapper": null
},
"variable": {,
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  "variableName": "createVpnConnectionRouteResult",
  "variableType": "CreateVpnConnectionRouteResult",
  "documentation": null,
  "simpleType": "CreateVpnConnectionRouteResult",
  "variableSetterType": "CreateVpnConnectionRouteResult"
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"wrapper": false
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"CreateVpnGatewayRequest": {
  "c2jName": "CreateVpnGatewayRequest",
  "customization": {,
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateVpnGateway.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "CreateVpnGateway",
    "locationName": null,
  }
}
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},

"members" : [ {
  "c2jName" : "Type",
  "c2jShape" : "GatewayType",
  "deprecated" : false,
  "documentation" : "<p>The type of VPN connection this virtual private gateway supports.</p>",
  "enumType" : "GatewayType",
  "fluentSetterDocumentation" : "/**\n  * The type of VPN connection this virtual private gateway supports.
  *\n  * @param type The type of VPN connection this virtual private gateway supports.
  *\n  * @return Returns a reference to this object so that method calls can be chained together.
  *\n  * @see GatewayType*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**\n  * The type of VPN connection this virtual private gateway supports.
  *\n  * @return The type of VPN connection this virtual private gateway supports.
  *\n  * @see GatewayType*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Type",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Type",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Type",
  "setterDocumentation" : "/**\n  * The type of VPN connection this virtual private gateway supports.
  *\n  * @param type The type of VPN connection this virtual private gateway supports.
  *\n  * @return Returns a reference to this object so that method calls can be chained together.
  *\n  * @see GatewayType*/",
  "setterMethodName" : "setType",
  "setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param type The type of VPN connection this virtual private gateway supports.\n@return Returns a reference to this object so that method calls can be chained together.\n@see GatewayType*/",
"variable" : {
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "AvailabilityZone",
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"documentation" : "The Availability Zone for the virtual private gateway.\n\n\n@param availabilityZone The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AvailabilityZone",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone for the virtual private gateway.</p>
@param availabilityZone The Availability Zone for the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone for the virtual private gateway.\n@return The Availability Zone for the virtual private gateway.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
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"documentation" : null
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"queryString" : false}
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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@param availabilityZone The Availability Zone for the virtual private gateway.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {

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"documentation" : "",
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"variableSetterType" : "String"
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@param availabilityZone The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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}],
"membersAsMap" : {

"AvailabilityZone" : {

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"enumType" : null,
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@param availabilityZone The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The Availability Zone for the virtual private gateway.*/",
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"setterDocumentation" : "/**\n\* The Availability Zone for the virtual private gateway.\n\*/
@param availabilityZone The Availability Zone for the virtual private gateway.*/",
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"variableSetterType" : "String"
},
"simple" : true,
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@param availabilityZone The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "The Availability Zone for the virtual private gateway.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "AvailabilityZone",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the virtual private gateway.</p>
@param availabilityZone The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
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    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "<p>The Availability Zone for the virtual private gateway.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
"xmlNameSpaceUri" : null
"Type" : {
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  "c2jShape" : "GatewayType",
  "deprecated" : false,
  "documentation" : "<p>The type of VPN connection this virtual private gateway supports.</p>",
  "enumType" : "GatewayType",
  "fluentSetterDocumentation" : "/**<p>The type of VPN connection this virtual private gateway supports.</p>
@see GatewayType*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**<p>The type of VPN connection this virtual private gateway supports.</p>
@see GatewayType*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Type",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Type",
  "setterDocumentation" : "/**<p>The type of VPN connection this virtual private gateway supports.</p>
@see GatewayType*/",
  "setterMethodName" : "setType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "type",
  }
}
The type of VPN connection this virtual private gateway supports.

### Documentation

The type of VPN connection this virtual private gateway supports.

```java
@param type The type of VPN connection this virtual private gateway supports.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/
```

### Variable Documentation

- **Type**: String
- **Documentation**: The type of VPN connection this virtual private gateway supports.

```java
public class CreateVpnGatewayRequest {
    // Variable declarations and methods...
}

public class CreateVpnGatewayResult {
    // Result class...
}
```
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { 
  "c2jName" : "VpnGateway",
  "c2jShape" : "VpnGateway",
  "deprecated" : false,
  "documentation" : "<p>Information about the virtual private gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
  @param vpnGateway Information about the virtual private gateway.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpnGateway",
  "getterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
  @return Information about the virtual private gateway.</p>
  @param vpnGateway Information about the virtual private gateway.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getVpnGateway",
  "getterModel" : { 
    "returnType" : "VpnGateway",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpnGateway",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpnGateway",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpnGateway",
  "setterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
  @param vpnGateway Information about the virtual private gateway.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpnGateway",
  "setterModel" : { 
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    "variableName" : "vpnGateway",
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"variableType" : "VpnGateway",
"documentation" : null,
"simpleType" : "VpnGateway",
"variableSetterType" : "VpnGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**
\* Information about the virtual private gateway.
\* @param vpnGateway Information about the virtual private gateway.
\* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "vpnGateway",
"variableType" : "VpnGateway",
"documentation" : "<p>Information about the virtual private gateway.</p>
@param vpnGateway Information about the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "VpnGateway",
"variableSetterType" : "VpnGateway"
},
"xmlNameSpaceUri" : null
] ,
"membersAsMap" : {
"VpnGateway" : {
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"c2jShape" : "VpnGateway",
"deprecated" : false,
"documentation" : "<p>Information about the virtual private gateway.</p>
@param vpnGateway Information about the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\* Information about the virtual private gateway.
\* @param vpnGateway Information about the virtual private gateway.
\* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnGateway",
"getterDocumentation" : "/**
\* Information about the virtual private gateway.
\* @return Information about the virtual private gateway.
\*/",
"getterMethodName" : "getVpnGateway",
"getterModel" : {
"returnType" : "VpnGateway",
"documentation" : null
}
},
"http" : {
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"greedy" : false,
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"statusCode" : false,
"unmarshallLocationName" : "vpnGateway",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "VpnGateway",
"setterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@param vpnGateway
Information about the virtual private gateway.*/",
"setterMethodName" : "setVpnGateway",
"setterModel" : {
 "variableDeclarationType" : "VpnGateway",
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 "variableType" : "VpnGateway",
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 "variableSetterType" : "VpnGateway"
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"varargSetterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@param
vpnGateway Information about the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType" : "VpnGateway",
 "documentation" : "<p>Information about the virtual private gateway.</p>",
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 "variableSetterType" : "VpnGateway"
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"required" : null,
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 "resultWrapper" : null
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 "variableName" : "createVpnGatewayResult",
 "variableType" : "CreateVpnGatewayResult",
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}
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : ":<p>Describes a customer gateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
    "c2jName" : "CustomerGatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : ":<p>The ID of the customer gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : ":**<p>The ID of the customer gateway.</p>
@param customerGatewayId
@return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "withCustomerGatewayId",
    "getterDocumentation" : ":**<p>The ID of the customer gateway.</p>
@return The ID of the customer gateway."",
    "getterMethodName" : "getCustomerGatewayId",
    "getterModel" : {
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        "documentation" : null
    },
    "http" : {
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        "greedy" : false,
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        "isPayload" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "customerGatewayId",
        "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@<param customerGatewayId The ID of the customer gateway.</param>*/",
"setterMethodName" : "setCustomerGatewayId",
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  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@<param customerGatewayId The ID of the customer gateway.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "p>The ID of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
  "complexType" : "String",
  "variableSetterType" : "String"
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"c2jName" : "State",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"fluentSetterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).\n@return The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
The current state of the customer gateway (pending | available | deleting | deleted).

```java
public String setState(String state)
```

Returns a reference to this object so that method calls can be chained together.

```java
public String getState()
```

The current state of the customer gateway (pending | available | deleting | deleted).

```java
public String getState()
```

The current state of the customer gateway (pending | available | deleting | deleted).

```java
public String getState()
```

Returns a reference to this object so that method calls can be chained together.

```java
public String getState()
```

The current state of the customer gateway (pending | available | deleting | deleted).

```java
public String getState()
```

The current state of the customer gateway (pending | available | deleting | deleted).

```java
public String getState()
```
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Type",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The type of VPN connection the customer gateway supports
  (<code>ipsec.1</code>).\</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* The type of VPN connection the customer gateway supports
  (<code>ipsec.1</code>).\n@param type The type of VPN connection the customer gateway supports
  (<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained
  together.*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**\n* The type of VPN connection the customer gateway supports
  (<code>ipsec.1</code>).\n@return The type of VPN connection the customer gateway supports
  (<code>ipsec.1</code>).*\n",
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  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Type",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "type",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Type",
  "setterDocumentation" : "/**\n* The type of VPN connection the customer gateway supports
  (<code>ipsec.1</code>).\n@param type The type of VPN connection the customer gateway supports
  (<code>ipsec.1</code>).*\n",
  "setterMethodName" : "setType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "$ref" : "Type"
  },
  "$schema" : "http://json-schema.org/draft-07/schema#",
  "type" : "object"}
"variableName" : "type",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n@type The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
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"variableName" : "type",
"variableType" : "String",
"documentation" : "<p>The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Internet-routable IP address of the customer gateway's outside interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside
interface.\n@ipAddress The Internet-routable IP address of the customer gateway's outside
interface.\n@return Returns a reference to this object so that method calls can be chained
altogether.*/",
"fluentSetterMethodName" : "withIpAddress",
"getterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside
interface.\n@return The Internet-routable IP address of the customer gateway's outside
interface.*/",
"getterMethodName" : "getIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
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"mapModel" : null,
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"setterDocumentation" : "/**\n<p>The Internet-routable IP address of the customer gateway's outside interface.</p>\n@param ipAddress The Internet-routable IP address of the customer gateway's outside interface.*/",
"setterMethodName" : "setIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Internet-routable IP address of the customer gateway's outside interface.</p>\n@param ipAddress The Internet-routable IP address of the customer gateway's outside interface;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The Internet-routable IP address of the customer gateway's outside interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "BgpAsn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBgpAsn",
"getterDocumentation" : "/**\n<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n@return Returns a reference to this object so that method calls can be chained together.*/"
Number (ASN).

```java
@response Schema<ChimeProviderGatewayResponse>
```

```java
BgpAsn

/**
 * The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
 */

@Getter
@Setter

```

```java
public class BgpAsn {
    private String bgpAsn;
}
```

```java
public String getBgpAsn() {
    return bgpAsn;
}
```

```java
public void setBgpAsn(String bgpAsn) {
    this.bgpAsn = bgpAsn;
}
```

```java
public List<BgpAsn> getBgpAsns() {
    return bgpAsns;
}
```

```java
public void setBgpAsns(List<BgpAsn> bgpAsns) {
    this.bgpAsns = bgpAsns;
}
```

```java
public void addBgpAsn(BgpAsn bgpAsn) {
    this.bgpAsns.add(bgpAsn);
}
```

```java
public void removeBgpAsn(BgpAsn bgpAsn) {
    this.bgpAsns.remove(bgpAsn);
}
```

```java
public String str() {
    return bgpAsn;
}
```

```java
public static void main(String[] args) {
    BgpAsn bgpAsn = new BgpAsn()
        .setName("123456789")
        .setAsn(65535);
    System.out.println(bgpAsn.toString());
}
```

```java
public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null || getClass() != obj.getClass())
        return false;
    BgpAsn other = (BgpAsn) obj;
    if (bgpAsn == null)
        return other.bgpAsn == null;
    return bgpAsn.equals(other.bgpAsn);
}
```

```java
public int hashCode() {
    return Objects.hash(bgpAsn);
}
```

```java
public static void main(String[] args) {
    System.out.println(String.valueOf(123456789));
}
```

```java
public static void main(String[] args) {
    BgpAsn bgpAsn = new BgpAsn()
        .setName("123456789")
        .setAsn(65535);
    System.out.println(bgpAsn.toString());
}
```

```java
public void setAsn(int asn) {
    this.asn = asn;
}
```

```java
public int getAsn() {
    return asn;
}
```

```java
public String name;
```

```java
public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null || getClass() != obj.getClass())
        return false;
    BgpAsn other = (BgpAsn) obj;
    if (name == null)
        return other.name == null;
    return name.equals(other.name);
}
```

```java
public int hashCode() {
    return Objects.hash(name);
}
```

```java
public void setAsn(String asn) {
    this.asn = Integer.parseInt(asn);
}
```

```java
public String getName() {
    return name;
}
```

```java
public void setName(String name) {
    this.name = name;
}
```

```java
public static void main(String[] args) {
    System.out.println(String.valueOf(123456789));
}
```

```java
public static void main(String[] args) {
    BgpAsn bgpAsn = new BgpAsn()
        .setName("123456789")
        .setAsn(65535);
    System.out.println(bgpAsn.toString());
}
```
"variableType": "String",
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"simpleType": "String",
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"c2jName": "Tags",
"c2jShape": "TagList",
"deprecated": false,
"documentation": "<p>Any tags assigned to the customer gateway.</p>",
"enumType": null,
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@param tags Any tags assigned to the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/** <p>Any tags assigned to the customer gateway.</p>
@return Any tags assigned to the customer gateway.*/",
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"documentation": null
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"greedy": false,
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"unmarshallLocationName": "tagSet",
"uri": false
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"c2jShape": "Tag",
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"enumType" : null,
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"getterModel" : {
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  "documentation" : null
},
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member".
}
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"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
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],
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"memberType" : "Tag",
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"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Tag>
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**
 * Any tags assigned to the customer gateway.
 */
@param tags Any tags assigned to the customer gateway.

 @return Returns a reference to this object so that method calls can be chained together.
 */

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    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * Any tags assigned to the customer gateway.
 */
@throws

@return Returns a reference to this object so that method calls can be chained together.
 */

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    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>
},
"xmlNameSpaceUri" : null
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  "BgpAsn" : {
    "c2jName" : "BgpAsn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>
@param bgpAsn The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withBgpAsn",
    "getterDocumentation" : "/**<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>
@return The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>*/",
    "getterMethodName" : "getBgpAsn",
    "getterModel" : {
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      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "BgpAsn",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "bgpAsn",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "BgpAsn",
    "setterDocumentation" : "/**<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>
@param bgpAsn The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
*/",
    "setterMethodName" : "setBgpAsn",
    "setterModel" : {
      
    },
    }},
  },
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"variableName": "bgpAsn",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
 */
 @param bgpAsn The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableType": "String",
"documentation": "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"CustomerGatewayId": {
"c2jName": "CustomerGatewayId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the customer gateway.

/**\n * The ID of the customer gateway.
 */
 @param customerGatewayId The ID of the customer gateway.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCustomerGatewayId",
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"returnType": "String",
"documentation": null
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"http": {
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"header": false,
"isPayload": false,
"isStreaming": false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "customerGatewayId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
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    "variableName" : "customerGatewayId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
    "documentation" : 
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    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpAddress" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : 
        "<p>The Internet-routable IP address of the customer gateway's outside interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside interface.</p>
@param ipAddress The Internet-routable IP address of the customer gateway's outside interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIpAddress",
    "getterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside interface.</p>

    */",
    "getterMethodName" : "getIpAddress",
    "getterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "IpAddress",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargGetterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside interface.</p>

    */",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "IpAddress",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
}
**getterDocumentation**:

The Internet-routable IP address of the customer gateway's outside interface.

```java

@getter
public String getIpAddress();
```

**setterDocumentation**:

The Internet-routable IP address of the customer gateway's outside interface.

```java

@set
public void setIpAddress(String ipAddress); // Returns a reference to this object so that method calls can be chained together.
```

**setterMethod**

```java

public void setIpAddress(String ipAddress) { this.ipAddress = ipAddress; }
```
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"State": {
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).<p>"",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).\n@return The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).*/",
"getterMethodName": "getState",
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"returnType": "String",
"documentation": null
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"http": {
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"idempotencyToken": false,
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"mapModel": null,
"name": "State",
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available | deleting | deleted</code>).*"/
   "setterMethodName" : "setState",
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      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).\n@param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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      "variableType" : "String",
      "documentation" : 
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "xmlNameSpaceUri" : null
},
"Tags" : {
   "c2jName" : "Tags",
   "c2jShape" : "TagList",
   "deprecated" : false,
   "documentation" : 
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>Any tags assigned to the customer gateway.\n@param tags Any tags assigned to the customer gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withTags",
   "getterDocumentation" : "/**<p>Any tags assigned to the customer gateway.\n@return Any tags assigned to the customer gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
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"unmarshallLocationName" : "tagSet",
"uri" : false
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"idempotencyToken" : false,
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  "listMemberModel" : {
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    "c2jShape" : "Tag",
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    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
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    "list" : false,
    "listModel" : null,
  }
}
"map" : false,
"mapModel" : null,
"name" : "Member",
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"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**
Any tags assigned to the customer gateway.

@param tags Any tags assigned to the customer gateway. */",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>"}
Any tags assigned to the customer gateway.

### Variable

- **Name**: `tags`
- **Type**: `java.util.List<Tag>`
- **Documentation**: Any tags assigned to the customer gateway.
- **Setter Method**: `withTags(java.util.Collection<Tag>)`
- **Getter Method**: `getTags()`

### Type

- **Type**: `String`
- **Documentation**: The type of VPN connection the customer gateway supports.
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**\n<p>The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n</p>\n@param type The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n*/",
"setterMethodName" : "setType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n</p>\n@param type The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained
together.\n*/",
"variable" : {
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  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "$<p>The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n</p>"",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CustomerGateway",
"unmarshaller" : {
  "flattened" : false,
"resultWrapper" : null,
"variable" : {
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  "variableType" : "CustomerGateway",
  "documentation" : null,
  "simpleType" : "CustomerGateway",
  "variableSetterType" : "CustomerGateway"
},
"wrapper" : false
},
"DatafeedSubscriptionState" : {
  "c2jName" : "DatafeedSubscriptionState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Active",
    "value" : "Active"
  }, {
    "name" : "Inactive",
    "value" : "Inactive"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DatafeedSubscriptionState",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "DatafeedSubscriptionState",
    "variableName" : "datafeedSubscriptionState",
    "variableType" : "DatafeedSubscriptionState",
    "variableSetterType" : "DatafeedSubscriptionState"
  }
}
"variableType" : "DatafeedSubscriptionState",
"documentation" : null,
"simpleType" : "DatafeedSubscriptionState",
"variableSetterType" : "DatafeedSubscriptionState"
},
"wrapper" : false
},
"DeleteCustomerGatewayRequest" : {
"c2jName" : "DeleteCustomerGatewayRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteCustomerGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeleteCustomerGateway",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : {
  "c2jName" : "CustomerGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the customer gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ID of the customer gateway.</p>*/\n@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withCustomerGatewayId",
  "getterDocumentation" : "/*<p>The ID of the customer gateway.</p>*/\n@returns The ID of the customer gateway.
  "getterMethodName" : "getCustomerGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CustomerGatewayId",
  "uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**\n * The ID of the customer gateway.\n */\n@param customerId The ID of
the customer gateway.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the customer gateway.\n */\n@param customerId The ID of
the customer gateway.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the customer gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} },
"membersAsMap" : {
  "CustomerGatewayId" : {

"c2jName" : "CustomerGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the customer gateway.<p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param customerGatewayId The ID of the customer gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGatewayId",
"getterDocumentation" : "The ID of the customer gateway.<p>\n@return The ID of the customer gateway.*/",
"getterMethodName" : "getCustomerGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CustomerGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "The ID of the customer gateway.<p>\n@param customerGatewayId The ID of the customer gateway.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
The ID of the customer gateway.

@returns Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "customerGatewayId",
    "variableType" : "String",
    "documentation" : "The ID of the customer gateway.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "CustomerGatewayId" ],
"shapeName" : "DeleteCustomerGatewayRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DeleteCustomerGatewayRequest",
    "variableName" : "deleteCustomerGatewayRequest",
    "variableType" : "DeleteCustomerGatewayRequest",
    "documentation" : null,
    "simpleType" : "DeleteCustomerGatewayRequest",
    "variableSetterType" : "DeleteCustomerGatewayRequest"
},
"wrapper" : false
},
"DeleteCustomerGatewayResult" : {
    "c2jName" : "DeleteCustomerGatewayResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : null,
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteCustomerGatewayResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DeleteCustomerGatewayResult",
    "variableName" : "deleteCustomerGatewayResult",
    "variableType" : "DeleteCustomerGatewayResult",
    "documentation" : null,
    "simpleType" : "DeleteCustomerGatewayResult",
    "variableSetterType" : "DeleteCustomerGatewayResult"
},
"wrapper" : false
},
"DeleteDhcpOptionsRequest" : {
    "c2jName" : "DeleteDhcpOptionsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteDhcpOptions.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DeleteDhcpOptions",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        {
            "c2jName" : "DhcpOptionsId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the DHCP options set.</p>"
        }
    ]
}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the DHCP options set.</p>
@param dhcpOptionsId The ID of the DHCP options set.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDhcpOptionsId",
"getterDocumentation": "/**<p>The ID of the DHCP options set.</p>
@return The ID of the DHCP options set.
*/",
"getterMethodName": "getDhcpOptionsId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DhcpOptionsId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DhcpOptionsId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DhcpOptionsId",
"setterDocumentation": "/**<p>The ID of the DHCP options set.</p>
@param dhcpOptionsId The ID of the DHCP options set.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDhcpOptionsId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "dhcpOptionsId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the DHCP options set.</p>
@param dhcpOptionsId The ID of the DHCP options set.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the DHCP options set.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null

"membersAsMap" : {
  "DhcpOptionsId" : {
    "c2jName" : "DhcpOptionsId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the DHCP options set.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "*/\n@<p>The ID of the DHCP options set.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDhcpOptionsId",
    "getterDocumentation" : "*/\n@<p>The ID of the DHCP options set.</p>\n@return The ID of the DHCP options set.
*/",
    "getterMethodName" : "getDhcpOptionsId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "DhcpOptionsId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "DhcpOptionsId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
}
}
"name" : "DhcpOptionsId",
"setterDocumentation" : "/**<p>The ID of the DHCP options set.</p>
@n@param dhcpOptionsId The ID of the DHCP options set.</n>*/",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the DHCP options set.</p>
@param dhcpOptionsId The ID of the DHCP options set.
@return Returns a reference to this object so that method calls can be chained together.</n>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the DHCP options set.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DhcpOptionsId" ],
"shapeName" : "DeleteDhcpOptionsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteDhcpOptionsRequest",
  "variableName" : "deleteDhcpOptionsRequest",
  "variableType" : "DeleteDhcpOptionsRequest",
  "documentation" : null,
  "simpleType" : "DeleteDhcpOptionsRequest",
  "variableSetterType" : "DeleteDhcpOptionsRequest"
},
"wrapper" : false
},
"DeleteDhcpOptionsResult" : {
  "c2jName" : "DeleteDhcpOptionsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteDhcpOptionsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteDhcpOptionsResult",
  "variableName" : "deleteDhcpOptionsResult",
  "variableType" : "DeleteDhcpOptionsResult",
  "documentation" : null,
  "simpleType" : "DeleteDhcpOptionsResult",
  "variableSetterType" : "DeleteDhcpOptionsResult"
},
"wrapper" : false,

"DeleteEgressOnlyInternetGatewayRequest" : {
  "c2jName" : "DeleteEgressOnlyInternetGatewayRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {

"action" : "DeleteEgressOnlyInternetGateway",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "EgressOnlyInternetGatewayId",
  "c2jShape" : "EgressOnlyInternetGatewayId",
  "deprecated" : false,
  "documentation" : "/p>The ID of the egress-only Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@param
  egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.
@return
  Returns a reference to this object so that method calls can be chained together."/",
  "fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
  "getterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@return
  The ID of the egress-only Internet gateway.*/",
  "getterMethodName" : "getEgressOnlyInternetGatewayId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EgressOnlyInternetGatewayId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EgressOnlyInternetGatewayId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "EgressOnlyInternetGatewayId",
  "setterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@param
  egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.*/",
  "setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "egressOnlyInternetGatewayId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The ID of the egress-only Internet gateway.\</p>\n@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "egressOnlyInternetGatewayId",
    "variableType" : "String",
    "documentation" : "\<p>The ID of the egress-only Internet gateway.\</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "EgressOnlyInternetGatewayId" : {
        "c2jName" : "EgressOnlyInternetGatewayId",
        "c2jShape" : "EgressOnlyInternetGatewayId",
        "deprecated" : false,
        "documentation" : "\<p>The ID of the egress-only Internet gateway.\</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\<p>The ID of the egress-only Internet gateway.\</p>\n@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
        "getterDocumentation" : "/**\<p>The ID of the egress-only Internet gateway.\</p>\n@return The ID of the egress-only Internet gateway.*/",
        "getterMethodName" : "getEgressOnlyInternetGatewayId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EgressOnlyInternetGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.*/",
"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "EgressOnlyInternetGatewayId" ],
"shapeName" : "DeleteEgressOnlyInternetGatewayRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteEgressOnlyInternetGatewayRequest",
  "variableName" : "deleteEgressOnlyInternetGatewayRequest",
  "variableType" : "DeleteEgressOnlyInternetGatewayRequest",
  "variableSetterType" : "DeleteEgressOnlyInternetGatewayRequest",
  "xmlNameSpaceUri" : null
}
The code snippet illustrates the process of deleting an Egress Only Internet Gateway in a cloud service. It includes a description of the `DeleteEgressOnlyInternetGatewayRequest` and `DeleteEgressOnlyInternetGatewayResult` objects, with their respective attributes like `c2jName`, `c2jShape`, `documentation`, `enums`, and `getters`.

The key features of the `DeleteEgressOnlyInternetGatewayRequest` object include:
- It has a `ReturnCode` attribute that returns `true` if the request succeeds; otherwise, it returns an error.
- The `ReturnCode` is of type `Boolean`.

The `DeleteEgressOnlyInternetGatewayResult` object includes a `ReturnCode` attribute, which is also of type `Boolean`.

The `documentation` for the `ReturnCode` attribute is provided, stating that it returns `true` if the request succeeds; otherwise, it returns an error.

The `http` attributes are set to indicate that the request is not flattened, greedy, or streaming.

This code snippet is an example of how to handle requests and responses in a server-side application, particularly in environments where open-source software is utilized.
"location" : null,
"marshallLocationName" : "ReturnCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "returnCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReturnCode",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturnCode",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnCode",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnCode",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
  "ReturnCode" : {
    "c2jName" : "ReturnCode",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType" : null,
"fluentSetterDocumentation": 
/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*\*/

"getterDocumentation": 
/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n\n@returns <code>true</code> if the request succeeds; otherwise, it returns an error.*\*/

"getterMethodName": 
"getterModel": [
 "returnType": "Boolean",
 "documentation": null
 ],

"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "ReturnCode",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "returnCode",
 "uri": false
 },

"idempotencyToken": false,

"setterDocumentation": 
/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*\*/

"setterMethodName": 
"setterModel": {
 "variableDeclarationType": "Boolean",
 "variableName": "returnCode",
 "variableType": "Boolean",
 "documentation": "",
 "simpleType": "Boolean",
 "variableSetterType": "Boolean",
 }

"simple": true,

"varargSetterDocumentation": 
/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n\n@returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*\*/
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnCode",
    "variableType" : "Boolean",
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteEgressOnlyInternetGatewayResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DeleteEgressOnlyInternetGatewayResult",
    "variableName" : "deleteEgressOnlyInternetGatewayResult",
    "variableType" : "DeleteEgressOnlyInternetGatewayResult",
    "documentation" : null,
    "simpleType" : "DeleteEgressOnlyInternetGatewayResult",
    "variableSetterType" : "DeleteEgressOnlyInternetGatewayResult"
},
"wrapper" : false
},
"DeleteFlowLogsRequest" : {
    "c2jName" : "DeleteFlowLogsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteFlowLogs.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DeleteFlowLogs",}
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "FlowLogIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "One or more flow log IDs.",
"enumType" : null,
"fluentSetterDocumentation" : "One or more flow log IDs.
@param flowLogIds One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "One or more flow log IDs.
@return One or more flow log IDs.
",
"getterMethodName" : "getFlowLogIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FlowId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "Returns a reference to this object so that
method calls can be chained together.
",
"getterDocumentation" : "One or more flow log IDs.
@param member One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.
",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Member",
"uri" : false
}
method calls can be chained together.*/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more flow log IDs.</p>
NOTE: This method appends the values to the existing list (if any). Use { @link #setFlowLogIds(java.util.Collection)) or { @link #withFlowLogIds(java.util.Collection) if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more flow log IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
",
"xmlNameSpaceUri" : null
}];
"membersAsMap" : {
"FlowLogIds" : {
"c2jName" : "FlowLogIds",
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
* @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* @param member\n* @return Returns a reference to this object so that
* method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
}
,"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "flowLogIds",
"variableType" : "java.util.List<String>",
"documentation" : ",",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more flow log IDs.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFlowLogIds(java.util.Collection) } or { @link #withFlowLogIds(java.util.Collection) } if you want to override the existing values.</p><p>
@param flowLogIds One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "flowLogIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more flow log IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "FlowLogIds" ],
"shapeName" : "DeleteFlowLogsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteFlowLogsRequest",
"variableName" : "deleteFlowLogsRequest",
"variableType" : "DeleteFlowLogsRequest",
"documentation" : null,
"simpleType" : ",null,
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "FlowLogIds" ],
"shapeName" : "DeleteFlowLogsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteFlowLogsRequest",
"variableName" : "deleteFlowLogsRequest",
"variableType" : "DeleteFlowLogsRequest",
"documentation" : null,
"simpleType" : ",null,
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "FlowLogIds" ],
"shapeName" : "DeleteFlowLogsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteFlowLogsRequest",
"variableName" : "deleteFlowLogsRequest",
"variableType" : "DeleteFlowLogsRequest",
"documentation" : null,
"simpleType" : "DeleteFlowLogsRequest",
"variableSetterType" : "DeleteFlowLogsRequest"
},
"wrapper" : false
},
"DeleteFlowLogsResult" : {
"c2jName" : "DeleteFlowLogsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DeleteFlowLogs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [{
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemSet",
"deprecated" : false,
"documentation" : "<p>Information about the flow logs that could not be deleted successfully.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.</p>
@param unsuccessful Information about the flow logs that could not be deleted successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.</p>
@return Information about the flow logs that could not be deleted successfully.
*/",
"getterMethodName" : "getUnsuccessful",
"getterModel" : {
"returnType" : "java.util.List<UnsuccessfulItem>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"simpleType" : "DeleteFlowLogsRequest",
"variableSetterType" : "DeleteFlowLogsRequest"
},
"wrapper" : false
},
"DeleteFlowLogsResult" : {
"c2jName" : "DeleteFlowLogsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DeleteFlowLogs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [{
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemSet",
"deprecated" : false,
"documentation" : "<p>Information about the flow logs that could not be deleted successfully.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.</p>
@param unsuccessful Information about the flow logs that could not be deleted successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.</p>
@return Information about the flow logs that could not be deleted successfully.
*/",
"getterMethodName" : "getUnsuccessful",
"getterModel" : {
"returnType" : "java.util.List<UnsuccessfulItem>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName": "Unsuccessful",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "unsuccessful",
"uri": false,
},
"idempotencyToken": false,
"list": true,
"ListModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "UnsuccessfulItem",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
* @param member 
* @return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
* @return */",
"getterMethodname": "getMember",
"getterModel": {
"returnType": "UnsuccessfulItem",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
* @param member */"
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"namespaceUri" : null,
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**
@param unsuccessful Information about the flow logs that could not be deleted successfully.
@RequestMapping\n@return Information about the flow logs that could not be deleted successfully.*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "",
  "simpleType" : "List<UnsuccessfulItem>",
  "variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"variable" : {

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "Information about the flow logs that could not be deleted successfully.\n
\n\n@NOTE: This method appends the values to the existing list (if any). Use \n@link #setUnsuccessful(java.util.Collection) or \n@link #withUnsuccessful(java.util.Collection) if you want to override\nthe existing values.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

  "getUnsuccessful" : {
    "c2jName" : "Unsuccessful",
    "c2jShape" : "UnsuccessfulItemSet",
    "fluentSetterMethodName" : "withUnsuccessful",
    "getterMethodName" : "getUnsuccessful",
    "getterModel" : {
      "returnType" : "java.util.List<UnsuccessfulItem>",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Unsuccessful",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "unsuccessful",
    "uri" : false
  }
}
/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/

/**
<p>Information about the flow logs that could not be deleted successfully.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setUnsuccessful(java.util.Collection)} or {@link #withUnsuccessful(java.util.Collection)} if you want to override the existing values.</p>
*/
successfully.

@ retorn Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "<p>Information about the flow logs that could not be deleted successfully.</p>",
  "simpleType" : "List<UnsuccessfulItem>",
  "variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"xmlNameSpaceUri" : null
}
}
requestSignerAware" : false,
requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DeleteFlowLogsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteFlowLogsResult",
  "variableName" : "deleteFlowLogsResult",
  "variableType" : "DeleteFlowLogsResult",
  "documentation" : null,
  "simpleType" : "DeleteFlowLogsResult",
  "variableSetterType" : "DeleteFlowLogsResult"
},
"wrapper" : false
},
"DeleteInternetGatewayRequest" : {
  "c2jName" : "DeleteInternetGatewayRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteInternetGateway.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteInternetGateway",
  },
  "shapeName" : "DeleteInternetGatewayRequest",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "xmlNameSpaceUri" : null
}

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"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlnsSpaceUri" : null
},
"members" : [ ]
"c2jName" : "InternetGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInternetGatewayId",
"getterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@return The ID of the Internet gateway.*/",
"getterMethodName" : "getInternetGatewayId",
"getterModel" : { 
  "returnType" : "String",
  "documentation" : null
 },
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InternetGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "internetGatewayId",
  "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayId",
"setterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInternetGatewayId",
"setterModel" : { 

"variableDeclarationType" : "String",
"variableName" : "internetGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@returns {String} The ID of the Internet gateway.
*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "internetGatewayId",
"variableType" : "String",
"documentation" : "<p>The ID of the Internet gateway.</p>
</p>
@returns {String} The ID of the Internet gateway.
*/",
"xmlNameSpaceUri" : null
}

"membersAsMap" : {

"InternetGatewayId" : {
"c2jName" : "InternetGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>
</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@returns {String} The ID of the Internet gateway.
*/",
"fluentSetterMethodName" : "withInternetGatewayId",
"getterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@returns {String} The ID of the Internet gateway.
*/",
"getterMethodName" : "getInternetGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName": "InternetGatewayId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "internetGatewayId",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InternetGatewayId",
"setterDocumentation": "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.*/",
"setterMethodName": "setInternetGatewayId",
"setterModel": {
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"variableName": "internetGatewayId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "String",
"documentation": "<p>The ID of the Internet gateway.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
}
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"requestSignerClassFqcn": null,
"required": [
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"unmarshaller": null,
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"variableName": "deleteInternetGatewayRequest",
"variableType": "DeleteInternetGatewayRequest",
"documentation": null,
"xmlNameSpaceUri": null
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"simpleType" : "DeleteInternetGatewayRequest",
"variableSetterType" : "DeleteInternetGatewayRequest"
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"wrapper" : false
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"DeleteInternetGatewayResult" : {
"c2jName" : "DeleteInternetGatewayResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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 "resultWrapper" : null
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 "variableName" : "deleteInternetGatewayResult",
 "variableType" : "DeleteInternetGatewayResult",
 "documentation" : null,
 "simpleType" : "DeleteInternetGatewayResult",
 "variableSetterType" : "DeleteInternetGatewayResult"
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"wrapper" : false
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"DeleteKeyPairRequest" : {
"c2jName" : "DeleteKeyPairRequest",
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 "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteKeyPair.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DeleteKeyPair",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.</p>
@return The name of the key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flatten" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},


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"map" : false,
"mapModel" : null,
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"setterModel" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>@param keyName The name of the key pair.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withKeyName",
    "getterDocumentation" : "/**<p>The name of the key pair.</p>@return The name of the key pair.</p>*/",
    "getterMethodName" : "getKeyName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**\n*p>The name of the key pair.<p>\n*\n*@param keyName The name of the key pair.\n*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The name of the key pair.<p>\n*\n*@param keyName The name of the key pair.\n*\n*\n*@return Returns a reference to this object so that method calls can be chained together.\n*/",
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"variableName" : "keyName",
"variableType" : "String",
"documentation" : "<p>The name of the key pair.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "KeyName" ],
"shapeName" : "DeleteKeyPairRequest"
"unmarshaller" : null,
"variable" : {
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  "variableName" : "deleteKeyPairRequest",
  "variableType" : "DeleteKeyPairRequest",
  "documentation" : null,
  "simpleType" : "DeleteKeyPairRequest",
  "variableSetterType" : "DeleteKeyPairRequest"
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"wrapper" : false
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"DeleteKeyPairResult" : {
  "c2jName" : "DeleteKeyPairResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DeleteKeyPairResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
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  "variable" : {
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    "variableName" : "deleteKeyPairResult",
    "variableType" : "DeleteKeyPairResult",
    "documentation" : null,
    "simpleType" : "DeleteKeyPairResult",
    "variableSetterType" : "DeleteKeyPairResult"
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  "wrapper" : false
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"DeleteNatGatewayRequest" : {
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  "customization" : {
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    "skipGeneratingMarshalller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "&lt;p&gt;Contains the parameters for DeleteNatGateway.&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "NatGatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The ID of the NAT gateway.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the NAT gateway.&lt;/p&gt;&lt;n&gt;@param natGatewayId The ID of the NAT gateway.&lt;/n&gt;&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/n&gt;*/",
    "fluentSetterMethodName" : "withNatGatewayId",
    "getterDocumentation" : "/**&lt;p&gt;The ID of the NAT gateway.&lt;/p&gt;&lt;n&gt;@return The ID of the NAT gateway.&lt;/n&gt;*/",
    "getterMethodName" : "getNatGatewayId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null
    }
  }]
}
"marshallLocationName" : "NatGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NatGatewayId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.*/",
"setterMethodName" : "setNatGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the NAT gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the NAT gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNatGatewayId",
    "getterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@return The ID of the NAT gateway.*/",
    "getterMethodName" : "getNatGatewayId",
  }
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  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NatGatewayId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the
NAT gateway.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the
NAT gateway
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the NAT gateway.</p>
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqn": null,
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"unmarshaller": null,
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"variableName": "deleteNatGatewayRequest",
"variableType": "DeleteNatGatewayRequest",
"documentation": null,
"simpleType": "DeleteNatGatewayRequest",
"variableSetterType": "DeleteNatGatewayRequest"
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"wrapper": false
},
"DeleteNatGatewayResult": {
"c2jName": "DeleteNatGatewayResult",
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"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the output of DeleteNatGateway.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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"deprecated": false,
"documentation": "<p>The ID of the NAT gateway.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the NAT gateway.</p>\n@param natGatewayId The ID of the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNatGatewayId",
"getterDocumentation": "/**<p>The ID of the NAT gateway.</p>\n@return The ID of the NAT gateway.*/",
"getterMethodName": "getNatGatewayId",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NatGatewayId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "natGatewayId",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NatGatewayId",
"setterDocumentation": "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.</p>/**",
"setterMethodName": "setNatGatewayId",
"setterModel": {
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  "variableName": "natGatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the NAT gateway.
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.</p>/**",
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  "variableName": "natGatewayId",
  "variableType": "String",
  "documentation": "<p>The ID of the NAT gateway.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "NatGatewayId": {

the NAT gateway.

@returns Returns a reference to this object so that method calls can be chained together.*/"},
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the NAT gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DeleteNatGatewayResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "DeleteNatGatewayResult",
  "variableName" : "deleteNatGatewayResult",
  "variableType" : "DeleteNatGatewayResult",
  "documentation" : null,
  "simpleType" : "DeleteNatGatewayResult",
  "variableSetterType" : "DeleteNatGatewayResult"
},
"wrapper" : false

"DeleteNetworkAclEntryRequest" : {
  "c2jName" : "DeleteNetworkAclEntryRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteNetworkAclEntry.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteNetworkAclEntry",
    "heuristicResultWrapper" : null,
    "resultWrapper" : null
  },
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "NetworkAclId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network ACL.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkAclId",
  "getterDocumentation" : "/**<p>The ID of the network ACL.</p>
@return The ID of the network ACL.*\n",
  "getterMethodName" : "getNetworkAclId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkAclId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkAclId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkAclId",
  "setterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setNetworkAclId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkAclId",
  },
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the
network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "<p>The ID of the network ACL.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The rule number of the entry to delete.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The rule number of the entry to delete.</p>
@param ruleNumber The
rule number of the entry to delete.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withRuleNumber",
"getterDocumentation" : "/**<p>The rule number of the entry to delete.</p>
@return The rule number of the
entry to delete.*/",
"getterMethodName" : "getRuleNumber",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleNumber",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "/**<p>The rule number of the entry to delete.</p>
@param ruleNumber The rule number of the entry to delete.*/",
"setterMethodName" : "setRuleNumber",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The rule number of the entry to delete.</p>
@param ruleNumber The rule number of the entry to delete.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "<p>The rule number of the entry to delete.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jName" : "Egress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the rule is an egress rule.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.\n@return Indicates whether the rule is an egress rule.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgress",
"getterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.</p>\n@return Indicates whether the rule is an egress rule.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEgress",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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"http": {
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  "flattened": false,
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  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "egress",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Egress",
"setterDocumentation": "/**<p>Indicates whether the rule is an egress rule.</p>
@param egress Indicates whether the rule is an egress rule.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEgress",
"setterModel": {
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  "variableName": "egress",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the rule is an egress rule.</p>
@param egress Indicates whether the rule is an egress rule.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName": "egress",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the rule is an egress rule.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
} ];
"membersAsMap": {
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"c2jName" : "Egress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the rule is an egress rule.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.</p>
@param egress Indicates whether the rule is an egress rule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgress",
"getterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.</p>
@return Indicates whether the rule is an egress rule.*/",
"getterMethodName" : "getEgress",
"getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
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"http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
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   "queryString" : false,
   "statusCode" : false,
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   "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
"setterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.</p>
@param egress Indicates whether the rule is an egress rule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEgress",
"setterModel" : {
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   "variableName" : "egress",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
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"simple" : true,

"varargSetterDocumentation" : "/**\n\* Indicates whether the rule is an egress rule.\n\* @param egress\n\* Indicates whether the rule is an egress rule.\n\* \n\* @return Returns a reference to this object so that method calls can be chained together.*/",

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    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the rule is an egress rule.</p>
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},

"xmlNameSpaceUri" : null
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"NetworkAclId" : {
    "c2jName" : "NetworkAclId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\* The ID of the network ACL.\n\* @param networkAclId The ID of the network ACL.\n\* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkAclId",
    "getterDocumentation" : "/**\n\* The ID of the network ACL.\n\* @return The ID of the network ACL.*/",
    "getterMethodName" : "getNetworkAclId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NetworkAclId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "networkAclId",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleNumber",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
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@param ruleNumber The rule number of the entry to delete.*/",
"setterMethodName" : "setRuleNumber",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ruleNumber",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The rule number of the entry to delete.</p>
@param ruleNumber The rule number of the entry to delete.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "ruleNumber",
    "variableType" : "Integer",
    "documentation" : "<p>The rule number of the entry to delete.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkAclId", "RuleNumber", "Egress" ],
"shapeName" : "DeleteNetworkAclEntryRequest",
"unmarshaller" : null,
"variable" : {

"variableDeclarationType": "DeleteNetworkAclEntryRequest",
"variableName": "deleteNetworkAclEntryRequest",
"variableType": "DeleteNetworkAclEntryRequest",
"documentation": null,
"simpleType": "DeleteNetworkAclEntryRequest",
"variableSetterType": "DeleteNetworkAclEntryRequest"
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"wrapper": false
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"DeleteNetworkAclEntryResult": {
"c2jName": "DeleteNetworkAclEntryResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": null,
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DeleteNetworkAclEntryResult",
"unmarshaller": {
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"resultWrapper": null
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"variable": {
"variableDeclarationType": "DeleteNetworkAclEntryResult",
"variableName": "deleteNetworkAclEntryResult",
"variableType": "DeleteNetworkAclEntryResult",
"documentation": null,
"simpleType": "DeleteNetworkAclEntryResult",
"variableSetterType": "DeleteNetworkAclEntryResult"
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"wrapper": false
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"DeleteNetworkAclRequest": {
"c2jName": "DeleteNetworkAclRequest"
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteNetworkAcl.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : {
    "action" : "DeleteNetworkAcl",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [ {
    "c2jName" : "NetworkAclId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>\n@param networkAclId The ID of the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkAclId",
    "getterDocumentation" : "/**<p>The ID of the network ACL.</p>\n@return The ID of the network ACL.*/",
    "getterMethodName" : "getNetworkAclId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NetworkAclId",
        "queryString" : false,
        "uriName" : null
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}
"statusCode": false,
"unmarshallLocationName": "networkAclId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkAclId",
"setterDocumentation": "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.*/",
"setterMethodName": "setNetworkAclId",
"setterModel": {
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  "variableName": "networkAclId",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "networkAclId",
  "variableType": "String",
  "documentation": "The ID of the network ACL.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"membersAsMap": {
"NetworkAclId": {
  "c2jName": "NetworkAclId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the network ACL.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNetworkAclId",
  "getterDocumentation": "/**<p>The ID of the network ACL.</p>
@return The ID of the network ACL.*/",
  "getterMethodName": "getNetworkAclId",
  "getterModel": {
    "returnType": "String",
  }
}"}
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkAclId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**\n * The ID of the network ACL.
 * @param networkAclId The ID of the network ACL.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
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  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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 * @param networkAclId The ID of the network ACL.
 * @return Returns a reference to this object so that method calls can be chained together.
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  "variableType" : "String",
  "documentation" : "The ID of the network ACL.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "NetworkAclId" ],
"shapeName": "DeleteNetworkAclRequest",
"unmarshaller": null,

"variable": {
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  "variableName": "deleteNetworkAclRequest",
  "variableType": "DeleteNetworkAclRequest",
  "documentation": null,
  "simpleType": "DeleteNetworkAclRequest",
  "variableSetterType": "DeleteNetworkAclRequest"
},

"wrapper": false
},

"DeleteNetworkAclResult": {
  "c2jName": "DeleteNetworkAclResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": null,
  "enums": null,
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  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": {},
  "requestSignerAware": false,
  "requestSignerClassFqn": null,
  "required": null,
  "shapeName": "DeleteNetworkAclResult",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  },
  "variable": {
    "variableDeclarationType": "DeleteNetworkAclResult",
    "variableName": "deleteNetworkAclResult",
    "variableType": "DeleteNetworkAclResult",
    "documentation": null,
    "simpleType": "DeleteNetworkAclResult"
"variableSetterType" : "DeleteNetworkAclResult",
},
"wrapper" : false
},
"DeleteNetworkInterfaceRequest" : {
"c2jName" : "DeleteNetworkInterfaceRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteNetworkInterface.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : {
  "action" : "DeleteNetworkInterface",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "getterDocumentation" : "<p>The ID of the network interface.</p>\n\n@param networkInterfaceId The ID of the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.\n*/",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n*pThe ID of the network interface.\n*\n*@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe ID of the network interface.\n*\n*@param networkInterfaceId The ID of the network interface.\n*\n*@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlnsNamespaceUri" : null
}].

"membersAsMap" : {
  "NetworkInterfaceId" : {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns Returns a reference to this object so that method calls can be chained
*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "NetworkInterfaceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "networkInterfaceId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "networkInterfaceId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns Returns a reference to this object so that method calls can be chained
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    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "DeleteNetworkInterfaceRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DeleteNetworkInterfaceRequest",
    "variableName" : "deleteNetworkInterfaceRequest",
    "variableType" : "DeleteNetworkInterfaceRequest",
    "documentation" : null,
    "simpleType" : "DeleteNetworkInterfaceRequest",
    "variableSetterType" : "DeleteNetworkInterfaceRequest"
},
"wrapper" : false
},
"DeleteNetworkInterfaceResult" : {
    "c2jName" : "DeleteNetworkInterfaceResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : null,
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteNetworkInterfaceResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteNetworkInterfaceResult",
  "variableName" : "deleteNetworkInterfaceResult",
  "variableType" : "DeleteNetworkInterfaceResult",
  "documentation" : null,
  "simpleType" : "DeleteNetworkInterfaceResult",
  "variableSetterType" : "DeleteNetworkInterfaceResult"
},
"wrapper" : false
},
"DeletePlacementGroupRequest" : {
  "c2jName" : "DeletePlacementGroupRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeletePlacementGroup.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeletePlacementGroup",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : {
    "c2jName" : "GroupName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the placement group.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * The name of the placement group.
     * @param groupName The name of the placement group.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
  }
}
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the placement group.</p><p>@return The name of the placement group.</p>*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshalLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshalLocationName" : "groupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the placement group.</p><p>@param groupName The name of the placement group.</p>*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the placement group.</p><p>@param groupName The name of the placement group.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>The name of the placement group.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}] ],
"membersAsMap" : {
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the placement group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>*/
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the placement group.</p>*/
@return The name of the placement group.
 */",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the placement group.</p>*/
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
"name" : "GroupName",
"setterModel" : null
}
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "<p>The name of the placement group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupName" ],
"shapeName" : "DeletePlacementGroupRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeletePlacementGroupRequest",
"variableName" : "deletePlacementGroupRequest",
"variableType" : "DeletePlacementGroupRequest",
"documentation" : null,
"simpleType" : "DeletePlacementGroupRequest",
"variableSetterType" : "DeletePlacementGroupRequest"
},
"wrapper" : false
},
"DeletePlacementGroupResult" : {
"c2jName" : "DeletePlacementGroupResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeletePlacementGroupResult",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "DeletePlacementGroupResult",
  "variableName" : "deletePlacementGroupResult",
  "variableType" : "DeletePlacementGroupResult",
  "documentation" : null,
  "simpleType" : "DeletePlacementGroupResult",
  "variableSetterType" : "DeletePlacementGroupResult"
},
"wrapper" : false
},
"DeleteRouteRequest" : { 
  "c2jName" : "DeleteRouteRequest",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteRoute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : { 
    "action" : "DeleteRoute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST"
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@return The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly. */",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DestinationCidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "destinationCidrBlock",
  "uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DestinationCidrBlock",
"setterDocumentation": "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.*/",
"setterMethodName": "setDestinationCidrBlock",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "destinationCidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "destinationCidrBlock",
  "variableType": "String",
  "documentation": "The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "DestinationIpv6CidrBlock",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "DestinationIpv6CidrBlock",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDestinationIpv6CidrBlock",
"getterDocumentation": "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.*/",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDestinationIpv6CidrBlock",
"getterDocumentation": "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.*/"}
"getterMethodName" : "getDestinationIpv6CidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DestinationIpv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "destinationIpv6CidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationIpv6CidrBlock",
"setterDocumentation" : "/**
<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDestinationIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for
the route exactly.</p>
")",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {
"DestinationCidrBlock" : {
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>*/",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>*/",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationCidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"optional" : false,
"shapeModel" : null,
"simpleType" : "String",
"soap" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationCidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
},
"xmlNameSpaceUri" : null}
setterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DestinationIpv6CidrBlock" : {
  "c2jName" : "DestinationIpv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDestinationIpv6CidrBlock",
  "getterDocumentation" : "/*<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@return The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.*/",
  "getterMethodName" : "getDestinationIpv6CidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDestinationIpv6CidrBlock",
  "getterDocumentation" : "/*<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@return The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.*/",
  "getterMethodName" : "getDestinationIpv6CidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "enumType" : null,
"RouteTableId" : {
  "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**<p>The ID of the route table.</p>
@returns The ID of the route table.*/",
  "getterMethodName" : "getRouteTableId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flat" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTableId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RouteTableId",
  "setterDocumentation" : "/**<p>The ID of the route table.</p>
@returns The ID of the route table.*/",
  "setterMethodName" : "setRouteTableId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "routeTableId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>@param routeTableId The ID of the route table.</p>@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "routeTableId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the route table.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "RouteTableId" ],
"shapeName" : "DeleteRouteRequest",
"unmarshaller" : null,
"variable" : {
   "variableDeclarationType" : "DeleteRouteRequest",
   "variableName" : "deleteRouteRequest",
   "variableType" : "DeleteRouteRequest",
   "documentation" : null,
   "simpleType" : "DeleteRouteRequest",
   "variableSetterType" : "DeleteRouteRequest"
},
"wrapper" : false
},
"DeleteRouteResult" : {
   "c2jName" : "DeleteRouteResult",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : null,
   "enums" : null,
   "errorCode" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
   "marshaller" : null,
   "members" : null,
   "membersAsMap" : { },
   "xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteRouteResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteRouteResult",
  "variableName" : "deleteRouteResult",
  "variableType" : "DeleteRouteResult",
  "documentation" : null,
  "simpleType" : "DeleteRouteResult",
  "variableSetterType" : "DeleteRouteResult"
},
"wrapper" : false
},
"DeleteRouteTableRequest" : {
  "c2jName" : "DeleteRouteTableRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteRouteTable.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteRouteTable",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : {
    "c2jName" : "RouteTableId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the route table.</p>",
    "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : null,
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  "hasStatusCodeMember" : false,
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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    "documentation": "/**
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     security group name or the security group ID. */",
    "elementType": null,
    "fluentSetterDocumentation": "/**
     \[EC2-Classic, default VPC\] The name of the security group. You can specify either the
     security group name or the security group ID.
     @param groupName \[EC2-Classic, default VPC\] The name of the security group. You can specify either
     the security group name or the security group ID.
     @return Returns a reference to this object so that method calls can be chained together. */",
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    "getterDocumentation": "/**
     \[EC2-Classic, default VPC\] The name of the security group. You can specify either the
     security group name or the security group ID.
     @return \[EC2-Classic, default VPC\] The name of the security group. You can specify either the
     security group name or the security group ID. */",
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      "documentation": null
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      "greedy": false,
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      "statusCode": false,
      "unmarshallLocationName": "GroupName",
      "uri": false
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    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "GroupName",
    "setterDocumentation": "/**
     \[EC2-Classic, default VPC\] The name of the security group. You can specify either the
     security group name or the security group ID.
     @param groupName \[EC2-Classic, default VPC\] The name of the security group. You can specify either
     the security group name or the security group ID. */",
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    "setterModel": {
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      "variableName": "groupName"
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"documentation": "",
"simpleType": "",
"variableSetterType": "String",
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"simple": true,
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<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.\n\n@param groupName [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "The ID of the security group. Required for a nondefault VPC.\n\n@param groupId The ID of the security group. Required for a nondefault VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation": "/**\n<p>The ID of the security group. Required for a nondefault VPC.\n\n@param groupId The ID of the security group. Required for a nondefault VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
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  "c2jShape" : "String",
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  "setterDocumentation" : "/**\n*pThe ID of the security group. Required for a nondefault VPC.\n* @param groupId The ID of the security group. Required for a nondefault VPC.\n*/",
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  "documentation": null
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  "isPayload": false,
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  "statusCode": false,
  "unmarshallLocationName": "GroupId",
  "uri": false
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  "simpleType": "String",
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  "documentation": null,
  "simpleType": "DeleteSecurityGroupRequest",
  "variableSetterType": "DeleteSecurityGroupRequest"
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"wrapper": false
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"DeleteSecurityGroupResult": {
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  "customization": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
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  "variableSetterType" : "DeleteSecurityGroupResult"
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    "skipGeneratingUnmarshaller" : false
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    "variableName" : "deleteSecurityGroupResult",
    "variableType" : "DeleteSecurityGroupResult",
    "documentation" : null,
    "simpleType" : "DeleteSecurityGroupResult",
    "variableSetterType" : "DeleteSecurityGroupResult"
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  "wrapper" : false
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"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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 "deprecated" : false,
 "documentation" : "<p>The ID of the EBS snapshot.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@return The ID of the EBS snapshot.*/",
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 "getterModel" : { 
 "returnType" : "String",
 "documentation" : null
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 "http" : { 
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SnapshotId",
 "uri" : false
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 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "SnapshotId",
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@param snapshotId The ID of the EBS snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"variableType" : "String",
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"c2jShape" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the
EBS snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@return The ID of the EBS snapshot.\n\n@throws IllegalArgumentException if the supplied value is not a valid
identifier.*/",
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"getterModel" : {
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"isStreaming" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "DeleteSnapshotRequest",
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  "simpleType" : "DeleteSnapshotRequest",
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"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DeleteSnapshotResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DeleteSnapshotResult",
  "variableName": "deleteSnapshotResult",
  "variableType": "DeleteSnapshotResult",
  "documentation": null,
  "simpleType": "DeleteSnapshotResult",
  "variableSetterType": "DeleteSnapshotResult"
},
"wrapper": false
},
"DeleteSpotDatafeedSubscriptionRequest": {
  "c2jName": "DeleteSpotDatafeedSubscriptionRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DeleteSpotDatafeedSubscription.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteSpotDatafeedSubscriptionRequest",
"unmarshaller" : null,
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  "variableDeclarationType" : "DeleteSpotDatafeedSubscriptionRequest",
  "variableName" : "deleteSpotDatafeedSubscriptionRequest",
  "variableType" : "DeleteSpotDatafeedSubscriptionRequest",
  "documentation" : null,
  "simpleType" : "DeleteSpotDatafeedSubscriptionRequest",
  "variableSetterType" : "DeleteSpotDatafeedSubscriptionRequest"
},
"wrapper" : false
},
"DeleteSpotDatafeedSubscriptionResult" : {
  "c2jName" : "DeleteSpotDatafeedSubscriptionResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : { },
  "requestSignerClassFqcn" : null,
  "required" : null
};
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteSpotDatafeedSubscriptionResult",
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  "flattened" : false,
  "resultWrapper" : null
},
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  "variableName" : "deleteSpotDatafeedSubscriptionResult",
  "variableType" : "DeleteSpotDatafeedSubscriptionResult",
  "documentation" : null,
  "simpleType" : "DeleteSpotDatafeedSubscriptionResult",
  "variableSetterType" : "DeleteSpotDatafeedSubscriptionResult"
},
"wrapper" : false
},
"DeleteSubnetRequest" : {
  "c2jName" : "DeleteSubnetRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteSubnet.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteSubnet",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "SubnetId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the subnet.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>*/\n@\n
"SimpleType" : null,
subnet.

@return Returns a reference to this object so that method calls can be chained together.*/,
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet.</p>
@return The ID of the subnet.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet.</p>",
"simpleType" : "String"
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
}

"membersAsMap" : {

"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the subnet.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;n&gt;\n@param subnetId The ID of the subnet.&lt;/n&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/&lt;/**&gt;",
"getterDocumentation" : "/**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;n&gt;\n@return The ID of the subnet.*/&lt;/**&gt;",
"getterMethodName" : "getSubnetId",
"getterModel" : {

"returnType" : "String",
"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false

},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;n&gt;\n@param subnetId The ID of the subnet.*/&lt;/**&gt;",
"setterMethodName" : "setSubnetId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "",

}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** The ID of the subnet.*/
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "The ID of the subnet.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SubnetId" ],
"shapeName" : "DeleteSubnetRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteSubnetRequest",
"variableName" : "deleteSubnetRequest",
"variableType" : "DeleteSubnetRequest",
"documentation" : null,
"simpleType" : "DeleteSubnetRequest",
"variableSetterType" : "DeleteSubnetRequest"
},
"wrapper" : false
},
"DeleteSubnetResult" : {
"c2jName" : "DeleteSubnetResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
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"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DeleteSubnetResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DeleteSubnetResult",
  "variableName": "deleteSubnetResult",
  "variableType": "DeleteSubnetResult",
  "documentation": null,
  "simpleType": "DeleteSubnetResult",
  "variableSetterType": "DeleteSubnetResult"
},
"wrapper": false
},
"DeleteTagsRequest": {
  "c2jName": "DeleteTagsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DeleteTags.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "DeleteTags",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "Resources",
      "c2jShape": "ResourceIdList",
      "c2jName": "GetSubnetsRequest",
      "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
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      "deprecated": false,
      "documentation": "<p>Contains the parameters for GetSubnets.</p>",
      "enums": null,
      "errorCode": null,
      "hasHeaderMember": false,
      "hasPayloadMember": false,
      "hasStatusCodeMember": false,
      "hasStreamingMember": false,
      "marshaller": {
        "action": "GetSubnets",
        "locationName": null,
        "requestUri": "/",
        "target": null,
        "verb": "POST",
        "xmlNameSpaceUri": null
      },
      "members": [
        {"c2jName": "GetSubnetsResult", "c2jShape": "SubnetList"},
        {"c2jName": "ListSubnetsRequest", "c2jShape": "ListSubnetsRequest"}
      ]
    },
    {"c2jName": "ListSubnetsRequest", "c2jShape": "ListSubnetsRequest"}
  ]
},

"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 4303"
"deprecated" : false,
"documentation" : "<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>
@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withResources",
"getterDocumentation" : "/**
@param member
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "resourceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * @param member 
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName": null,
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
}
"map": false,
"mapModel": null,
"name": "Resources",
"setterDocumentation": "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.
@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.*/",
"setterMethodName": "setResources",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "resources",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String",
}
"simple": false,
"varargSetterDocumentation": "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.  
@link #withResources(java.util.Collection) if you want to override the existing values.</p>
@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "resources",
  "variableType": "java.util.List<String>",
  "documentation": "The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID. 
"simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String",
},
"xmlNameSpaceUri": null
]
"documentation" : "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.\n\n"enumType" : null,
"fluentSetterDocumentation" : "/**\nOne or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\nOne or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.\n\n@return One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.\n*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tag",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tag",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member
@returns Returns a reference to this object so that
method calls can be chained together */

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
* @return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* @param member
* @return Returns a reference to this object so that
* method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag"
"variableSetterType" : "Tag",
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
}
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : " /**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string. </p>
@returns {string}</returns>
@returns {string}
**/</p>

"setterMethodName" : "setTags",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
 "variableName" : "tags",
 "variableType" : "java.util.List<Tag>",
 "documentation" : "",
 "simpleType" : "List<Tag>",
 "variableSetterType" : "java.util.Collection<Tag>"
 }
},
"map" : false,
"varargSetterDocumentation" : "/**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string. </p>
@returns {string}</returns>
@returns {string}
**/</p>

"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
 "variableName" : "tags",
 "variableType" : "java.util.List<Tag>",
 "documentation" : "<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only
if its value is an empty string.

"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
}
,"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {
  "Resources" : {
    "c2jName" : "Resources",
    "c2jShape" : "ResourceIdList",
    "deprecated" : false,
    "documentation" : "The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID."
  
    "@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID."
    "@return Returns a reference to this object so that method calls can be chained together."
    "fluentSetterMethodName" : "withResources",
    "getterDocumentation" : "The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID."
    "@return The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID."
  
    "getterMethodName" : "getResources",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ResourceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "resourceId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "simpleType" : "List<Tag>",
        "variableSetterType" : "java.util.Collection<Tag>"
      },
      "xmlNameSpaceUri" : null
    }
  }
}
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"isNull" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Resources",
"setterDocumentation" : "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p><p>@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>*/",
"setterMethodName" : "setResources",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "resources",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p><p>This method appends the values to the existing list (if any). Use @link #setResources(java.util.Collection) or @link #withResources(java.util.Collection) if you want to override the existing values.</p><p>@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "resources",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"documentation": "The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.",

"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",

"xmlNameSpaceUri": null,

"Tags": {
"c2jName": "Tags",
"c2jShape": "TagList",
"deprecated": false,
"documentation": "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.",
"enumType": null,
"fluentSetterDocumentation": "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.",
"fluentSetterMethodName": "withTags",
"getterDocumentation": "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.",
"getterMethodName": "getTags",
"getterModel": {
"returnType": "java.util.List<Tag>",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Tag",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "tag",
"uri": false
},
"idempotencyToken": false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : false,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Tag",
      "variableName" : "member",
      "variableType" : "Tag",
      "documentation" : "",
      "simpleType" : "Tag"}
"variableSetterType" : "Tag",
],
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.<p>\n@param tags One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.*/\n\b>NOTE:</b> This method appends the values to
the existing list (if any). Use [@link #setTags(java.util.Collection) or [@link #withTags(java.util.Collection) if you want to override the existing values.\n@returns Returns a reference to this object so that method calls can be chained together. */
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.\n    "return" : Returns a reference to this object so that method calls can be chained together. */",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "Resources" ],
"shapeName" : "DeleteTagsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteTagsRequest",
  "variableName" : "deleteTagsRequest",
  "variableType" : "DeleteTagsRequest",
  "documentation" : null,
  "simpleType" : "DeleteTagsRequest",
  "variableSetterType" : "DeleteTagsRequest"
},
"wrapper" : false
},
"DeleteTagsResult" : {
  "c2jName" : "DeleteTagsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "variables" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.\n    "return" : Returns a reference to this object so that method calls can be chained together. */",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "xmlNameSpaceUri" : null
}
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteTagsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteTagsResult",
  "variableName" : "deleteTagsResult",
  "variableType" : "DeleteTagsResult",
  "documentation" : null,
  "simpleType" : "DeleteTagsResult",
  "variableSetterType" : "DeleteTagsResult"
},
"wrapper" : false
},
"DeleteVolumeRequest" : {
  "c2jName" : "DeleteVolumeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVolume.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteVolume",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "VolumeId",}]}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "<p>The ID of the volume.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"VolumeId" : {
"c2jName" : "VolumeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume.</p>
@return The ID of the volume.*",
"getterMethodName" : "getVolumeId",
"getterModel" : {
　"returnType" : "String",
　"documentation" : null
},
"http" : {
　"additionalMarshallingPath" : null,
　"additionalUnmarshallingPath" : null,
　"flattened" : false,
　"greedy" : false,
　"header" : false,
　"isPayload" : false,
　"isStreaming" : false,
　"location" : null,
　"marshallLocationName" : "VolumeId",
　"queryString" : false,
　"statusCode" : false,
　"unmarshallLocationName" : "VolumeId",
　"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*",
"setterMethodName" : "setVolumeId"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VolumeId" ],
"shapeName" : "DeleteVolumeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteVolumeRequest",
  "variableName" : "deleteVolumeRequest",
  "variableType" : "DeleteVolumeRequest",
  "documentation" : null,
  "simpleType" : "DeleteVolumeRequest",
  "variableSetterType" : "DeleteVolumeRequest"
},
"wrapper" : false,
"DeleteVolumeResult" : {
  "c2jName" : "DeleteVolumeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteVolumeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteVolumeResult",
  "variableName" : "deleteVolumeResult",
  "variableType" : "DeleteVolumeResult",
  "documentation" : null,
  "simpleType" : "DeleteVolumeResult",
  "variableSetterType" : "DeleteVolumeResult"
},
"wrapper" : false
},
"DeleteVpcEndpointsRequest" : {
  "c2jName" : "DeleteVpcEndpointsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVpcEndpoints.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteVpcEndpoints",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
  },
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Member",

"setterDocumentation" : "/**
@param member */",

"setterMethodName" : "setMember",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
}
],
"map" : false,
"mapModel" : null,
"name" : "VpcEndpointIds",
"setterDocumentation" : "/**@pOne or more endpoint IDs. */\n@param vpcEndpointIds One or more endpoint IDs. */",
"setterMethodName" : "setVpcEndpointIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
],
"simple" : false,
"varargSettterDocumentation" : "/**@pOne or more endpoint IDs. \n@pNOTE: This method appends the values to the existing list (if any). Use [@link setVpcEndpointIds(java.util.Collection)] or [@link withVpcEndpointIds(java.util.Collection)] if you want to override the existing values. */\n@p@param vpcEndpointIds One or more endpoint IDs.\n@p@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more endpoint IDs. \n@p",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
],
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "VpcEndpointIds" : {
    "c2jName" : "VpcEndpointIds",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "One or more endpoint IDs. */",
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more endpoint IDs.</p>
@param vpcEndpointIds One or more endpoint IDs.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withVpcEndpointIds",
"getterDocumentation" : "/**<p>One or more endpoint IDs.</p>
@return One or more endpoint IDs.
*/",
"getterMethodName" : "getVpcEndpointIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcEndpointId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcEndpointId",
  "uri" : false
},
idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n  @param member \n  @return Returns a reference to this object so that method calls can be chained together.
  */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n  @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null
    }
  }
}
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "VpcEndpointIds",
"setterDocumentation" : "/**<p>One or more endpoint IDs.</p>
@param vpcEndpointIds One or more endpoint IDs.*/",
"setterMethodName" : "setVpcEndpointIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more endpoint IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setVpcEndpointIds(java.util.Collection) or @link #withVpcEndpointIds(java.util.Collection) if you want to override the existing values.</p>
@param vpcEndpointIds One or more endpoint IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more endpoint IDs.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcEndpointIds" ],
"shapeName" : "DeleteVpcEndpointsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteVpcEndpointsRequest",
  "variableName" : "deleteVpcEndpointsRequest",
  "variableType" : "DeleteVpcEndpointsRequest",
  "documentation" : null,
  "simpleType" : "DeleteVpcEndpointsRequest",
  "variableSetterType" : "DeleteVpcEndpointsRequest"
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"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "UnsuccessfulItem",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "UnsuccessfulItem",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "UnsuccessfulItem",
"variableName" : "member",
"variableType" : "UnsuccessfulItem",
"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UnsuccessfulItem",
"variableName" : "member",
"variableType" : "UnsuccessfulItem",
"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>
",
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**\p>Information about the endpoints that were not successfully deleted.*/\p>@param unsuccessful Information about the endpoints that were not successfully deleted.*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>
",
"simple" : false,
"varargSetterDocumentation" : "/**\p>Information about the endpoints that were not successfully
NOTE: This method appends the values to the existing list (if any). Use {@link #setUnsuccessful(java.util.Collection)} or {@link #withUnsuccessful(java.util.Collection)} if you want to override the existing values.

```java
public void setUnsuccessfulComplianceComplianceAssessmentResultUnsuccessfulItemSet(com.amazonaws.internal.SdkInternalList<UnsuccessfulItem> unsuccessful) {
    this.unsuccessful = unsuccessful;
}
```

Returns a reference to this object so that method calls can be chained together.
"variableSetterType" : "UnsuccessfulItem",
"
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UnsuccessfulItem",
"variableName" : "member",
"variableType" : "UnsuccessfulItem",
"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**
<p>Information about the endpoints that were not successfully
deleted.</p>
@param unsuccessful Information about the endpoints that were not successfully deleted.*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the endpoints that were not successfully
deleted.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setUnsuccessful(java.util.Collection)} or {@link #withUnsuccessful(java.util.Collection)} if you want to override
the existing values.</p>
@param unsuccessful Information about the endpoints that were not successfully
deleted.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UnsuccessfulItem",
"variableName" : "member",
"variableType" : "UnsuccessfulItem",
"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**
<p>Information about the endpoints that were not successfully
deleted.</p>
@param unsuccessful Information about the endpoints that were not successfully deleted.*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the endpoints that were not successfully
deleted.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setUnsuccessful(java.util.Collection)} or {@link #withUnsuccessful(java.util.Collection)} if you want to override
the existing values.</p>
@param unsuccessful Information about the endpoints that were not successfully
deleted.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "<p>Information about the endpoints that were not successfully deleted.</p>",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteVpcEndpointsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteVpcEndpointsResult",
  "variableName" : "deleteVpcEndpointsResult",
  "variableType" : "DeleteVpcEndpointsResult",
  "documentation" : null,
  "simpleType" : "DeleteVpcEndpointsResult",
  "variableSetterType" : "DeleteVpcEndpointsResult"
},
"wrapper" : false
},

"DeleteVpcPeeringConnectionRequest" : {
  "c2jName" : "DeleteVpcPeeringConnectionRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVpcPeeringConnection.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteVpcPeeringConnection",
    "locationName" : null,
    "requestUri" : "/"
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
],
"members": [ {
"c2jName": "VpcPeeringConnectionId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC peering connection.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcPeeringConnectionId",
"getterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
"getterMethodName": "getVpcPeeringConnectionId",
"getterModel": { 
"returnType": "String",
"documentation": null
},
"http": { 
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcPeeringConnectionId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcPeeringConnectionId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcPeeringConnectionId",
"setterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return The ID of the VPC peering connection.*/",
"setterMethodName": "setVpcPeeringConnectionId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
),
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
",

"membersAsMap" : {
  "VpcPeeringConnectionId" : {
    "c2jName" : "VpcPeeringConnectionId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC peering connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcPeeringConnectionId",
    "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
    "getterMethodName" : "getVpcPeeringConnectionId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcPeeringConnectionId",
      "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**\n<p>The ID of the VPC peering connection.</p>\n\n@param vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the VPC peering connection.</p>\n\n@param vpcPeeringConnectionId The ID of the VPC peering connection.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcPeeringConnectionId" ],
"shapeName" : "DeleteVpcPeeringConnectionRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteVpcPeeringConnectionRequest",
  "variableName" : "deleteVpcPeeringConnectionRequest",
  "variableType" : "DeleteVpcPeeringConnectionRequest",
  "documentation" : null,
  "simpleType" : "DeleteVpcPeeringConnectionRequest",
  "variableSetterType" : "DeleteVpcPeeringConnectionRequest"
"DeleteVpcPeeringConnectionResult": {
  "c2jName": "DeleteVpcPeeringConnectionResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "\p>Contains the output of DeleteVpcPeeringConnection.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [ {
    "c2jName": "Return",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>/n@\*\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
  "getMethodName": "getReturn",
  "getModel": { "returnType": "Boolean",
    "documentation": null
  }
},
"http": { "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Return",
  "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@param returnValue Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
  
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "Return" : {
    "c2jName" : "Return",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    
  "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
  
  "getterMethod" : "getReturn",
  "getterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnValue",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "simple" : true,
  "varargGetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@param returnValue Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnValue",
    "variableType" : "Boolean",
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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  "xmlNameSpaceUri" : null
  },
  "c2jName" : "Return",
  "c2jShape" : "Boolean",
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  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
  
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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  "xmlNameSpaceUri" : null
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  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@param returnValue Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
  
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
  
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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  "simple" : true,
  "varargGetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@param returnValue Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "Boolean",
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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  "xmlNameSpaceUri" : null
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
  
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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  "xmlNameSpaceUri" : null
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  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
  
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
  
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  "getterModel" : {
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    "variableType" : "Boolean",
    "documentation" : "",
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    "variableSetterType" : "Boolean"
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  "varargGetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
  
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    "variableType" : "Boolean",
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
    
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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  "xmlNameSpaceUri" : null
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
  
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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  "xmlNameSpaceUri" : null
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"idempotencyToken" : false,
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
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"documentation" : null
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"http" : {

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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {

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"variableType" : "Boolean",
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"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteVpcPeeringConnectionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "DeleteVpcPeeringConnectionResult",
  "variableName" : "deleteVpcPeeringConnectionResult",
  "variableType" : "DeleteVpcPeeringConnectionResult",
  "documentation" : null,
  "simpleType" : "DeleteVpcPeeringConnectionResult",
  "variableSetterType" : "DeleteVpcPeeringConnectionResult"
},
"wrapper" : false
},
"DeleteVpcRequest" : {
  "c2jName" : "DeleteVpcRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVpc.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
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"setterModel" : {
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"variableName" : "vpcId",
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"documentation" : "",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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    "c2jShape" : "String",
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    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
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@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@<return vpcId> The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
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    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpcId",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null
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  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
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  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DeleteVpcResult",
  "unmarshaller" : { 
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    "resultWrapper" : null
  },
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    "variableType" : "DeleteVpcResult",
    "documentation" : null,
    "simpleType" : "DeleteVpcResult",
    "variableSetterType" : "DeleteVpcResult"
  },
  "wrapper" : false
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"DeleteVpnConnectionRequest" : { 
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    "artificialResultWrapper" : null,
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVpnConnection.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "flattened" : false,
    "resultWrapper" : null
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"action" : "DeleteVpnConnection",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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"members" : [ {
  "c2jName" : "VpnConnectionId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPN connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpnConnectionId",
  "getterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@return The ID of the VPN connection.*/",
  "getterMethodName" : "getVpnConnectionId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpnConnectionId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpnConnectionId",
  "setterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpnConnectionId",
  "setterModel" : {

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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of the VPN connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
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"c2jShape" : "String",
"deprecated" : false,
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"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the VPN connection.*/",
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"isStreaming" : false,
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
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"unmarshaller" : null,
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  "variableName" : "deleteVpnConnectionRequest",
  "variableType" : "DeleteVpnConnectionRequest",
  "documentation" : null,
  "simpleType" : "DeleteVpnConnectionRequest",
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"variableSetterType" : "DeleteVpnConnectionRequest",
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"wrapper" : false
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"DeleteVpnConnectionResult" : {
"c2jName" : "DeleteVpnConnectionResult",
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"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
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"deprecated" : false,
"documentation" : null,
"enums" : null,
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"hasStatusMember" : false,
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"members" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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"resultWrapper" : null
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"variableName" : "deleteVpnConnectionResult",
"variableType" : "DeleteVpnConnectionResult",
"documentation" : null,
"simpleType" : "DeleteVpnConnectionResult",
"variableSetterType" : "DeleteVpnConnectionResult"
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"wrapper" : false
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"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n* The ID of the VPN connection.\n* \n* @param vpnConnectionId The ID of the VPN connection.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpnConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the VPN connection.\n* \n* @param vpnConnectionId The ID of the VPN connection.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "p The ID of the VPN connection.\n* \n* @param vpnConnectionId The ID of the VPN connection.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
{
  "c2jName" : "DestinationCidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "p The CIDR block associated with the local subnet of the customer network.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* The CIDR block associated with the local subnet of the customer network.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**\n* The CIDR block associated with the local subnet of the customer network.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getDestinationCidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationCidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DestinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@vararg
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The CIDR block associated with the local subnet of the customer network.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jName" : "DestinationCidrBlock"
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpnConnectionId",
"setterDocumentation": "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.*"",
"setterMethodName": "setVpnConnectionId",
"setterModel": {

"variableDeclarationType": "String",
"variableName": "vpnConnectionId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {

"variableDeclarationType": "String",
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"variableType": "String",
"documentation": "<p>The ID of the VPN connection.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerClassName": null,
"required": [ "VpnConnectionId", "DestinationCidrBlock" ],
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"unmarshaller": null,
"marshaller": null,
"variable": {

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"variableType": "DeleteVpnConnectionRouteRequest",
"documentation": "",
"simpleType": "DeleteVpnConnectionRouteRequest",
"variableSetterType": "DeleteVpnConnectionRouteRequest"
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"wrapper": false
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"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteVpnConnectionRouteResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "DeleteVpnConnectionRouteResult",
  "variableName" : "deleteVpnConnectionRouteResult",
  "variableType" : "DeleteVpnConnectionRouteResult",
  "documentation" : null,
  "simpleType" : "DeleteVpnConnectionRouteResult",
  "variableSetterType" : "DeleteVpnConnectionRouteResult"
},
"wrapper" : false
},
"DeleteVpnGatewayRequest" : {
  "c2jName" : "DeleteVpnGatewayRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVpnGateway.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.</p>*/", "setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : <p>The ID of the virtual private gateway.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpnGatewayId",
    "getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@return The ID of the virtual private gateway.*/",
    "getterMethodName" : "getVpnGatewayId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
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@param vpnGatewayId The ID of the virtual private gateway.*\*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : 
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : 
  "The ID of the virtual private gateway.\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"variableType" : "DeleteVpnGatewayRequest",
"documentation" : null,
"simpleType" : "DeleteVpnGatewayRequest",
"variableSetterType" : "DeleteVpnGatewayRequest"
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"wrapper" : false
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"DeleteVpnGatewayResult" : {
"c2jName" : "DeleteVpnGatewayResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : null,
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : null,
 "membersAsMap" : { }
},
 "requestSignerAware" : false,
 "requestSignerClassFqcn" : null,
 "required" : null,
 "shapeName" : "DeleteVpnGatewayResult",
 "unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
 },
 "variable" : {
 "variableDeclarationType" : "DeleteVpnGatewayResult",
 "variableName" : "deleteVpnGatewayResult",
 "variableType" : "DeleteVpnGatewayResult",
 "documentation" : null,
 "simpleType" : "DeleteVpnGatewayResult",
 "variableSetterType" : "DeleteVpnGatewayResult"
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 "wrapper" : false
},
"DeregisterImageRequest" : {
 "c2jName" : "DeregisterImageRequest",
 "variableDeclarationType" : "DeregisterImageRequest",
 "variableName" : "deregisterImageRequest",
 "variableType" : "DeregisterImageRequest",
 "documentation" : null,
 "simpleType" : "DeregisterImageRequest",
 "variableSetterType" : "DeregisterImageRequest"
}
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "<p>Contains the parameters for DeregisterImage.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
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  "locationName": null,
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  "target": null,
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  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "ImageId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the AMI.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**
*p>The ID of the AMI.*/
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.
*/",
    "fluentSetterMethodName": "withImageId",
    "getterDocumentation": "/**
*p>The ID of the AMI.*/
@return The ID of the AMI.
*/",
    "getterMethodName": "getImageId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "ImageId",
      "queryString": false,
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "ImageId",
      "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "ImageId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "ImageId" : {
    "c2jName" : "ImageId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withImageId",
    "getterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return The ID of the AMI.*/",
    "getterMethodName" : "getImageId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ImageId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ImageId",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**\n* The ID of the AMI.\n* @param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n* The ID of the AMI.\n* @param imageId The ID of the AMI.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI."
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"xmlNameSpaceUri": null
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"required" : [ "ImageId" ],
"shapeName" : "DeregisterImageRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeregisterImageRequest",
  "variableName" : "deregisterImageRequest",
  "variableType" : "DeregisterImageRequest",
  "documentation" : null,
  "simpleType" : "DeregisterImageRequest",
  "variableSetterType" : "DeregisterImageRequest"
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"wrapper" : false
},
"DeregisterImageResult" : {
  "c2jName" : "DeregisterImageResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DeregisterImageResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "DeregisterImageResult",
    "variableName" : "deregisterImageResult",
    "variableType" : "DeregisterImageResult",
    "documentation" : null,
    "simpleType" : "DeregisterImageResult",
    "variableSetterType" : "DeregisterImageResult"
  }
}
"wrapper": false
},
"DescribeAccountAttributesRequest": {
  "c2jName": "DescribeAccountAttributesRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeAccountAttributes.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "DescribeAccountAttributes",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "AttributeNames",
      "c2jShape": "AccountAttributeNameStringList",
      "deprecated": false,
      "documentation": "<p>One or more account attribute names.</p>",
      "enumType": "AccountAttributeName",
      "fluentSetterDocumentation": "/**<p>One or more account attribute names.</p>\n@param attributeNames
One or more account attribute names.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AccountAttributeName*/",
      "fluentSetterMethodName": "withAttributeNames",
      "getterDocumentation": "/**<p>One or more account attribute names.</p>\n@return One or more account attribute names.\n@see AccountAttributeName*/",
      "getterMethodName": "getAttributeNames",
      "getterModel": {
        "returnType": "java.util.List<String>",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
      
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "AccountAttributeName",
"deprecated" : false,
"documentation" : "",
"enumType" : "AccountAttributeName",
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.@n@see AccountAttributeName*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return @n@see AccountAttributeName*/",
"getterMethod" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member
@see AccountAttributeName*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.\n@see AccountAttributeName*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "attributeName",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "AttributeNames",
"setterDocumentation": "<p>One or more account attribute names.</p><p>@param attributeNames One or more account attribute names.</p><p>@see AccountAttributeName*/",
"setterMethodName": "setAttributeNames",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "attributeNames",
  "variableType": "attributeNames",
  "variableType": "java.util.List<String>",
  "variableType": "java.util.List<String>"}
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more account attribute names.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [{@link #setAttributeNames(java.util.Collection)} or [{@link #withAttributeNames(java.util.Collection)} if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method calls can be chained together.\n@see AccountAttributeName*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "attributeNames",
"variableType" : "java.util.List<String",
"documentation" : "<p>One or more account attribute names.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlnsSpaceUri" : null
},
"membersAsMap" : {
"AttributeNames" : {
"c2jName" : "AttributeNames",
"c2jShape" : "AccountAttributeNameStringList",
"deprecated" : false,
"documentation" : "<p>One or more account attribute names.</p>",
"enumType" : "AccountAttributeName",
"fluentSetterDocumentation" : "/**<p>One or more account attribute names.</p>
@param attributeNames One or more account attribute names.
@return Returns a reference to this object so that method calls can be chained together.\n@see AccountAttributeName*/",
"fluentSetterMethodName" : "withAttributeNames",
"getterDocumentation" : "/**<p>One or more account attribute names.</p>
@return One or more account attribute names.\n@see AccountAttributeName*/",
"getterMethodName" : "getAttributeNames",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeName"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeName",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : [
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "AccountAttributeName",
"deprecated" : false,
"documentation" : "",
"enumType" : "AccountAttributeName",
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
@see AccountAttributeName*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return \n@see AccountAttributeName*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@see AccountAttributeName*/",
"setterMethodName" : "setMember",}
"varargSetterDocumentation": "/**<p>One or more account attribute names.</p>
<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use [@link setAttributeNames(java.util.Collection)] or
[@link withAttributeNames(java.util.Collection)] if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method
calls can be chained together.\n@see AccountAttributeName*/",

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "attributeNames",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more account attribute names.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "DescribeAccountAttributesRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeAccountAttributesRequest",
  "variableName": "describeAccountAttributesRequest",
  "variableType": "DescribeAccountAttributesRequest",
  "documentation": null,
  "simpleType": "DescribeAccountAttributesRequest",
  "variableSetterType": "DescribeAccountAttributesRequest"
},
"wrapper": false
},
"DescribeAccountAttributesResult": {
  "c2jName": "DescribeAccountAttributesResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "\nContains the output of DescribeAccountAttributes.\n\n"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members" : [ 
  "c2jName" : "AccountAttributes",
  "c2jShape" : "AccountAttributeList",
  "deprecated" : false,
  "documentation" : "<p>Information about one or more account attributes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about one or more account attributes.</p>
  @param accountAttributes Information about one or more account attributes.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAccountAttributes",
  "getterDocumentation" : "/**<p>Information about one or more account attributes.</p>
  @return Information about one or more account attributes.*/",
  "getterMethodName" : "getAccountAttributes",
  "getterModel" : {
    "returnType" : "java.util.List<AccountAttribute>",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AccountAttributeSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "accountAttributeSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "AccountAttribute",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n  @param member \n  @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n  @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<AccountAttribute>",
      "documentation" : null
    }
  }
}
"memberLocationName" : "item",
"memberType" : "AccountAttribute",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AccountAttribute",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"templateType" : "java.util.List<AccountAttribute>
}
,"map" : false,
"mapModel" : null,
"name" : "AccountAttributes",
"setterDocumentation" : "/**<p>Information about one or more account attributes.</p>
@param accountAttributes Information about one or more account attributes.*/",
"setterMethodName" : "setAccountAttributes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
  "variableName" : "accountAttributes",
  "variableType" : "java.util.List<AccountAttribute>",
  "documentation" : "",
  "simpleType" : "java.util.List<AccountAttribute>",
  "variableSetterType" : "java.util.Collection<AccountAttribute>
}
,"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more account attributes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAccountAttributes(java.util.Collection)} or {@link #withAccountAttributes(java.util.Collection)} if you want to override the existing values.\n</p>\n@param accountAttributes Information about one or more account attributes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
  "variableName" : "accountAttributes",
  "variableType" : "java.util.List<AccountAttribute>",
  "documentation" : "Information about one or more account attributes.\n",
  "simpleType" : "List<AccountAttribute>",
  "variableSetterType" : "java.util.Collection<AccountAttribute>
}
,"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "AccountAttributes" : {
    "c2jName" : "AccountAttributes",
    "c2jShape" : "AccountAttributeList",
    "deprecated" : false,
    "documentation" : "Information about one or more account attributes."
  }
}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* Information about one or more account attributes.<p>
@param accountAttributes Information about one or more account attributes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAccountAttributes",
"getterDocumentation" : "/**\n* Information about one or more account attributes.<p>
@return Information about one or more account attributes.<p>

**/",
"getterMethodName" : "getAccountAttributes",
"getterModel" : {
"returnType" : "java.util.List<AccountAttribute>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallerLocationName" : "AccountAttributeSet",
"queryString" : false,
"statusCode" : false,
"unmarshallerLocationName" : "accountAttributeSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "AccountAttribute",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* @param member
* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n* @return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "AccountAttribute",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "AccountAttribute",
"variableName" : "member",
"variableType" : "AccountAttribute",
"documentation" : "",
"simpleType" : "AccountAttribute",
"variableSetterType" : "AccountAttribute"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "AccountAttribute",
"variableName" : "member",
"variableType" : "AccountAttribute",
"documentation" : "",
"simpleType" : "AccountAttribute",
"variableSetterType" : "AccountAttribute"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "AccountAttribute",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshalllingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AccountAttribute",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"templateType" : "java.util.List<AccountAttribute>"
},
"map" : false,
"mapModel" : null,
"name" : "AccountAttributes",
"setterDocumentation" : "/**<p>Information about one or more account attributes.</p>
@param accountAttributes Information about one or more account attributes.*"",
"setterMethodName" : "setAccountAttributes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"variableName" : "accountAttributes",
"variableType" : "java.util.List<AccountAttribute>",
"documentation" : "",
"simpleType" : "List<AccountAttribute>",
"variableSetterType" : "java.util.Collection<AccountAttribute>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more account attributes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setAccountAttributes(java.util.Collection)} or \{@link #withAccountAttributes(java.util.Collection)} if you want to override the existing values.</p>
@param accountAttributes Information about one or more account attributes.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"variableName" : "accountAttributes",
"variableType" : "java.util.List<AccountAttribute>",
"documentation" : "<p>Information about one or more account attributes.</p>
"simpleType" : "List<AccountAttribute>",
"variableSetterType" : "java.util.Collection<AccountAttribute>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeAccountAttributesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeAccountAttributesResult",
"map" : false,
"variableName" : "describeAccountAttributesResult",
"variableType" : "DescribeAccountAttributesResult",
"documentation" : null,
"simpleType" : "DescribeAccountAttributesResult",
"variableSetterType" : "DescribeAccountAttributesResult"
},
"wrapper" : false
},
"DescribeAddressesRequest" : {
"c2jName" : "DescribeAddressesRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeAddresses.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeAddresses",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "PublicIps",
    "c2jShape" : "PublicIpStringList",
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic] One or more Elastic IP addresses. Default: Describes all your Elastic IP addresses.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[EC2-Classic] One or more Elastic IP addresses. Default: Describes all your Elastic IP addresses.</p>
*param publicIps [EC2-Classic] One or more Elastic IP addresses.</p>
*return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withPublicIps",
    "getterDocumentation" : "/**<p>[EC2-Classic] One or more Elastic IP addresses. Default: Describes all your Elastic IP addresses.</p>
*return [EC2-Classic] One or more Elastic IP addresses.</p> 
*\*/",
    "getterMethodName" : "getPublicIps",
"variableName" : "describeAccountAttributesResult",
"variableType" : "DescribeAccountAttributesResult",
"documentation" : null,
"simpleType" : "DescribeAccountAttributesResult",
"variableSetterType" : "DescribeAccountAttributesResult"
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "PublicIp",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
* @param member 
* @return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**
* @return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        }
    }
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"mapModel": null,
"name": "PublicIps",
"setterDocumentation": "/**
 * [EC2-Classic] One or more Elastic IP addresses.
 * Default: Describes all your Elastic IP addresses.
 * @param publicIps [EC2-Classic] One or more Elastic IP addresses.
 * @return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName": "setPublicIps",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "publicIps",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"},
"simple": false,
"varargSetterDocumentation": "/**
 * [EC2-Classic] One or more Elastic IP addresses.
 * Default: Describes all your Elastic IP addresses.
 * @param publicIps [EC2-Classic] One or more Elastic IP addresses.
 * @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "publicIps",
  "variableType": "java.util.List<String>",
  "documentation": "[EC2-Classic] One or more Elastic IP addresses.
  
  "enumType": null,
  "documentation": "One or more filters. Filter names and values are case-sensitive."
  
  "c2jName": "Filters",
  "c2jShape": "FilterList",
  "deprecated": false,
  "documentation": "One or more filters. Filter names and values are case-sensitive."
  
  "c2jName": "Filters",
  "c2jShape": "FilterList",
  "deprecated": false,
  "documentation": "One or more filters. Filter names and values are case-sensitive."
  
  "c2jName": "Filters",
  "c2jShape": "FilterList",
  "deprecated": false,
  "documentation": "One or more filters. Filter names and values are case-sensitive."}
<code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).<p> <li> <p> <code>instance-id</code> - The ID of the instance the address is associated with, if any.</p> </li> <li> <p> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</p> </li> <li> <p> <code>network-interface-owner-id</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</p> </li> <li> <p> <code>private-ip-address</code> - [EC2-VPC] The allocation ID for the address.</p> </li> <li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li> </ul>

```
@param filters One or more filters. Filter names and values are case-sensitive.

<ul>
</ul>
@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**
 * One or more filters. Filter names and values are case-sensitive.
 */

<ul>
<li> <p> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.

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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**\nOne or more filters. Filter names and values are case-sensitive.\n
- <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.
- <code>association-id</code> - [EC2-VPC] The association ID for the address.
- <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any. The ID of the network interface that the address is associated with, if any. The AWS account ID of the owner. The private IP address associated with the Elastic IP address. - The Elastic IP Address -"
address.</li> </ul> <li>@param filters One or more filters. Filter names and values are case-sensitive.</li> </ul> <li> <p> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</p> </li> <li> <p> <code>association-id</code> - [EC2-VPC] The association ID for the address.</p> </li> <li> <p> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance the address is associated with, if any.</p> </li> <li> <p> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</p> </li> <li> <p> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</p> </li> <li> <p> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</p> </li> <li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li> </ul> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p> <ul> <li>@param filters One or more filters. Filter names and values are case-sensitive.</li> </ul> <li> <p> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</p> </li> <li> <p> <code>association-id</code> - [EC2-VPC] The association ID for the address.</p> </li> <li> <p> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance the address is associated with, if any.</p> </li> <li> <p> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</p> </li> <li> <p> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</p> </li> <li> <p> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</p> </li> <li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li> <li>@return Returns a reference to this object so that method calls can be chained together.</li> </ul>
whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any.</li> <li> <p> <code>network-interface-id</code> - The ID of the network interface that the address is associated with, if any.</p> </li> <li> <p> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IP address associated with the Elastic IP address.</p> </li> <li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li>
}
},
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"xmlNameSpaceUri" : null,
"c2jName" : "AllocationIds",
"c2jShape" : "AllocationIdList",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] One or more allocation IDs.</p> Default: Describes all your Elastic IP addresses.
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p> Default: Describes all your Elastic IP addresses.</p><p>@param allocationIds [EC2-VPC] One or more allocation IDs.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAllocationIds",
"getterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p> Default: Describes all your Elastic IP addresses.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getAllocationIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllocationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AllocationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : 

"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AllocationId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AllocationId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
   * @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}.
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "AllocationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "AllocationIds",
"setterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p>
Default: Describes all your Elastic IP addresses.</p>
@param allocationIds [EC2-VPC] One or more allocation IDs.
Default: Describes all your Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAllocationIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "allocationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p>
Default: Describes all your Elastic IP addresses.
NOTE: This method appends the values to the existing list (if any).
Use {@link #setAllocationIds(java.util.Collection)} or {
@link #withAllocationIds(java.util.Collection)} if you want
to override the existing values.
Default: Describes all your Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "allocationIds",
"variableType": "java.util.List<String>",
"documentation": "<p>[EC2-VPC] One or more allocation IDs.<p> <p>Default: Describes all your Elastic IP addresses.<p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlnsNameSpaceUri": null
]
],
"membersAsMap": {
"AllocationIds": {
"c2jName": "AllocationIds",
"c2jShape": "AllocationIdList",
"deprecated": false,
"documentation": "<p>[EC2-VPC] One or more allocation IDs.<p> <p>Default: Describes all your Elastic IP addresses.<p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-VPC] One or more allocation IDs.<p> <p>Default: Describes all your Elastic IP addresses.<p>\n@param allocationIds [EC2-VPC] One or more allocation IDs.<p> <p>Default: Describes all your Elastic IP addresses.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAllocationIds",
"getterDocumentation": "/**<p>[EC2-VPC] One or more allocation IDs.<p> <p>Default: Describes all your Elastic IP addresses.<p>\n@return [EC2-VPC] One or more allocation IDs.<p> <p>Default: Describes all your Elastic IP addresses.<p>*/,
"getterMethodName": "getAllocationIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AllocationId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AllocationId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   @param member 
   @return Returns a reference to this object so that
   method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AllocationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AllocationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "AllocationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "AllocationIds",
"setterDocumentation" : "/**
* [EC2-VPC] One or more allocation IDs.
* Default: Describes all your Elastic IP addresses.
* @param allocationIds [EC2-VPC] One or more allocation IDs.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAllocationIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "allocationIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**
* [EC2-VPC] One or more allocation IDs.
* Default: Describes all your Elastic IP addresses.
* This method appends the values to the existing list (if any). Use
* @link #setAllocationIds(java.util.Collection) or
* @link #withAllocationIds(java.util.Collection) if you want to override the existing values.
* @param allocationIds [EC2-VPC] One or more allocation IDs.
* @return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "allocationIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "<p>One or more filters. Filter names and values are case-sensitive.</p> <ul>
</ul>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters. Filter names and values are case-sensitive.</p> <ul>
</ul>

@|return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters. Filter names and values are case-sensitive.</p> <ul>
"p"
"domain" - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any.</li>
<li> <code>instance-id</code> - The ID of the instance the address is associated with, if any.</li>
<li> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</li>
<li> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</li>
<li> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</li>
<li> <code>public-ip</code> - The Elastic IP address.</li>
</ul>
@return One or more filters. Filter names and values are case-sensitive.</p> <ul> <li> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</li>
<li> <code>association-id</code> - [EC2-VPC] The association ID for the address.</li>
<li> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any.</li>
<li> <code>instance-id</code> - The ID of the instance the address is associated with, if any.</li>
<li> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</li>
<li> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</li>
<li> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</li>
<li> <code>public-ip</code> - The Elastic IP address.</li>
</ul>

**getterMethodName** : "getFilters",

**getterModel** : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

**idempotencyToken** : false,

**list** : true,

**listModel** : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns A reference to this object so that"
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/"}
"variableSetterType" : "Filter",
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters. Filter names and values are case-sensitive.</p> <ul>
<li><code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</li>
<li><code>association-id</code> - [EC2-VPC] The association ID for the address.</li>
<li><code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</li>
<li><code>instance-id</code> - The ID of the instance the address is associated with, if any.</li>
<li><code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</li>
<li><code>network-interface-owner-id</code> - The AWS account ID of the owner.</li>
<li><code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</li>
<li><code>public-ip</code> - The Elastic IP address.</li>
</ul>
@param filters One or more filters. Filter names and values are case-sensitive.</p> <ul>
<li><code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</li>
<li><code>association-id</code> - [EC2-VPC] The association ID for the address.</li>
<li><code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</li>
<li><code>instance-id</code> - The ID of the instance the address is associated with, if any.</li>
<li><code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</li>
<li><code>network-interface-owner-id</code> - The AWS account ID of the owner.</li>
<li><code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</li>
</ul>
*/",
"setterMethodName" : "setFilters",
"setterModel" : { "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>" }
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more filters. Filter names and values are case-sensitive. */
<ul>
<li>
<p>
<code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</p>
</li>
<li>
<p>
<code>association-id</code> - [EC2-VPC] The association ID for the address.</p>
</li>
<li>
<p>
<code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).<br/>
</p>
</li>
<li>
<p>
<code>instance-id</code> - [EC2-VPC] The ID of the instance the address is associated with, if any.</p>
</li>
<li>
<p>
<code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that is associated with, if any.<br/>
</p>
</li>
<li>
<p>
<code>network-interface-owner-id</code> - The AWS account ID of the owner.<br/>
</p>
</li>
<li>
<p>
<code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.<br/>
</p>
</li>
<li>
<p>
<code>public-ip</code> - The Elastic IP address.<br/>
</p>
</li>
<li>
<p>
NOTE: This method appends the values to the existing list (if any). Use<br/>
{@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.<br/>
</p>
</li>
</ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use<br/>
{@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.<br/>
</p>

@param filters One or more filters. Filter names and values are case-sensitive.<br/>
<ul>
<li>
<p>
<code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.<br/>
</p>
</li>
<li>
<p>
<code>association-id</code> - [EC2-VPC] The association ID for the address.<br/>
</p>
</li>
<li>
<p>
<code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC<br/>
</p>
</li>
<li>
<p>
<code>instance-id</code> - [EC2-VPC] The ID of the instance the address is associated with, if any.<br/>
</p>
</li>
<li>
<p>
<code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that is associated with, if any.<br/>
</p>
</li>
<li>
<p>
<code>network-interface-owner-id</code> - The AWS account ID of the owner.<br/>
</p>
</li>
<li>
<p>
<code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.<br/>
</p>
</li>
<li>
<p>
<code>public-ip</code> - The Elastic IP address.<br/>
</p>
</li>
<li>
<p>
@n@return Returns a reference to this object so that method calls can be chained together. */
</p>
</li>
</ul>"
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PublicIp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PublicIp",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "PublicIps",

"setterDocumentation" : "/**<p>[EC2-Classic] One or more Elastic IP addresses.</p> <p>Default: Describes all your Elastic IP addresses.</p>
@param publicIps [EC2-Classic] One or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPublicIps",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "publicIps",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
}
",
"simple" : false,

"varargSetterDocumentation" : "/**<p>[EC2-Classic] One or more Elastic IP addresses.</p> <p>Default: Describes all your Elastic IP addresses.</p>
@param publicIps [EC2-Classic] One or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "publicIps",
"variableType" : "java.util.List<String>",
"documentation" : "<p>[EC2-Classic] One or more Elastic IP addresses.</p> 
<p>Default: Describes all your Elastic IP addresses.</p>
"simpleType" : "List<String>",

"variableSetterType" : "java.util.Collection<String>"
}
",

"xmlNameSpaceUri" : null
}
",

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeAddressesRequest",
"unmarshalller" : null,

"variable" : {

"variableDeclarationType" : "DescribeAddressesRequest",

"variableName" : "describeAddressesRequest",

"xmlNameSpaceUri" : null
}
}
"variableType" : "DescribeAddressesRequest",
"documentation" : null,
"simpleType" : "DescribeAddressesRequest",
"variableSetterType" : "DescribeAddressesRequest"
},
"wrapper" : false
},
"DescribeAddressesResult" : {
"c2jName" : "DescribeAddressesResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeAddresses.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "Addresses",
    "c2jShape" : "AddressList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more Elastic IP addresses.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more Elastic IP addresses.</p>
@param
addresses Information about one or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAddresses",
    "getterDocumentation" : "/**<p>Information about one or more Elastic IP addresses.</p>
@return
Information about one or more Elastic IP addresses.*/",
    "getterMethodName" : "getAddresses",
    "getterModel" : {
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      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AddressesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "addressesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Address",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Address",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Address",
  "variableName" : "member",
  "variableType" : "Address",
  "documentation" : "",
  "simpleType" : "Address",
  "variableSetterType" : "Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Address",
  "variableName" : "member",
  "variableType" : "Address",
  "documentation" : "",
  "simpleType" : "Address",
  "variableSetterType" : "Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Address>",
"templateType" : "java.util.List<Address>",
"map" : false,
"mapModel" : null,
"name" : "Addresses",
"setterDocumentation" : "/**<p>Information about one or more Elastic IP addresses.</p>
@param addresses 
Information about one or more Elastic IP addresses.</param addresses
*/",
"setterMethodName" : "setAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
  "variableName" : "addresses",
  "variableType" : "java.util.List<Address>",
  "documentation" : "",
  "simpleType" : "List<Address>",
"xmlNameSpaceUri" : null
}
"variableSetterType" : "java.util.Collection<Address>"},
"simple" : false,
"varargSetterDocumentation" : "/**\n\nInformation about one or more Elastic IP addresses.\n\n@NOTE: This method appends the values to the existing list (if any). Use { @link 
#setAddresses(java.util.Collection)} or { @link #withAddresses(java.util.Collection)} if you want to override the 
existing values.\n\n@param addresses Information about one or more Elastic IP addresses.\n@return Returns a 
reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
"variableName" : "addresses",
"variableType" : "java.util.List<Address>",
"documentation" : "Information about one or more Elastic IP addresses.",
"simpleType" : "List<Address>",
"variableSetterType" : "java.util.Collection<Address>"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Addresses" : {
"c2jName" : "Addresses",
"c2jShape" : "AddressList",
"deprecated" : false,
"documentation" : "Information about one or more Elastic IP addresses.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\nInformation about one or more Elastic IP addresses.\n\n@param addresses Information about one or more Elastic IP addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAddresses",
"getterDocumentation" : "/**\n\nInformation about one or more Elastic IP addresses.\n\n@return Information about one or more Elastic IP addresses.*/",
"getterMethodName" : "getAddresses",
"getterModel" : {
"returnType" : "java.util.List<Address>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AddressesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "addressesSet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Address",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that methods calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Address",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Address",}
"variableName" : "member",
"variableType" : "Address",
"documentation" : "",
"simpleType" : "Address",
"variableSetterType" : "Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Address",
 "variableName" : "member",
 "variableType" : "Address",
 "documentation" : "",
 "simpleType" : "Address",
 "variableSetterType" : "Address"
 },
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Address>",
"templateType" : "java.util.List<Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Addresses",
"setterDocumentation" : "/**
@param addresses 
<p>Information about one or more Elastic IP addresses.*/

Method calls can be chained together.*/",
"setterMethodName" : "setAddresses",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
 "variableName" : "addresses",
 "variableType" : "java.util.List<Address>",
 "documentation" : "",
 "simpleType" : "List<Address>",
 "variableSetterType" : "java.util.Collection<Address>"
 },
"simple" : false,
"varargSetterDocumentation" : "/**
@param addresses 
<p>Information about one or more Elastic IP addresses.*/

This method appends the values to the existing list (if any). Use { @link
#setAddresses(java.util.Collection)} or {@link #withAddresses(java.util.Collection)} if you want to override the existing values.</p>
@param addresses Information about one or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
"variableName" : "addresses",
"variableType" : "java.util.List<Address>",
"documentation" : "Information about one or more Elastic IP addresses.",
"simpleType" : "List<Address>",
"variableSetterType" : "java.util.Collection<Address>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeAddressesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeAddressesResult",
"variableName" : "describeAddressesResult",
"variableType" : "DescribeAddressesResult",
"documentation" : null,
"simpleType" : "DescribeAddressesResult",
"variableSetterType" : "DescribeAddressesResult"
},
"wrapper" : false
},
"DescribeAvailabilityZonesRequest" : {
"c2jName" : "DescribeAvailabilityZonesRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Contains the parameters for DescribeAvailabilityZones.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "ZoneNames",
    "c2jShape" : "ZoneNameStringList",
    "deprecated" : false,
    "documentation" : "<p>The names of one or more Availability Zones.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
    *param
    zoneNames The names of one or more Availability Zones.</n
    *return Returns a reference to this object so that
    method calls can be chained together.*/",
    "fluentSetterMethodName" : "withZoneNames",
    "getterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
    *return The names of one or more Availability Zones.*/",
    "getterMethodName" : "getZoneNames",
    "getterModel" : { 
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ZoneName",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ZoneName",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : { 
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : { 
        "c2jName" : "member",
        "c2jShape" : "String"} } } }
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
}
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ZoneName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ZoneName",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
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 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "String",
}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ZoneName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ZoneNames",
"setterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
@param zoneNames The names of one or more Availability Zones.</p>*/",
"setterMethodName" : "setZoneNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "zoneNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
@param zoneNames The names of one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "zoneNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The names of one or more Availability Zones.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"setterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
@param zoneNames The names of one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setZoneNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "zoneNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
@param zoneNames The names of one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null,
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters.
- Information about the Availability Zone.
- The name of the region for the Availability Zone (for example, region-name)
- The state of the Availability Zone (available | information | impaired | unavailable)
- The name of the Availability Zone (for example, zone-name)

"enumType": null,
"fluentSetterDocumentation": "One or more filters.
- Information about the Availability Zone.
- The name of the region for the Availability Zone (for example, region-name)
- The state of the Availability Zone (available | information | impaired | unavailable)
- The name of the Availability Zone (for example, zone-name)

"getterDocumentation": "One or more filters.
- Information about the Availability Zone.
- The name of the region for the Availability Zone (for example, region-name)
- The state of the Availability Zone (available | information | impaired | unavailable)
- The name of the Availability Zone (for example, zone-name)

"getterModel": {
  "returnType": "java.util.List<Filter>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.</p> <ul> 
<li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> 
<li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </p> </li> 
<li> <p> <code>state</code> - The state of the Availability Zone ( <code>available</code> | <code>information</code> | <code>impaired</code> | <code>unavailable</code> ). </p> </li> 
<li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </p> </li> 
<li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> 
<li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </p> </li> 
<li> <p> <code>state</code> - The state of the Availability Zone ( <code>available</code> | <code>information</code> |
<code>impaired</code> | <code>unavailable</code>.
</li>
<li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>).</li>

"setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* One or more filters.
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link setFilters(java.util.Collection) ] or [ @link withFilters(java.util.Collection) ] if you want to override the existing values.
</p>
\@param filters One or more filters.
</ul>
</li>
<li> <code>message</code> - Information about the Availability Zone.</li>
<li> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).</li>
<li> <code>state</code> - The state of the Availability Zone (<code>available</code> | <code>information</code> | <code>impaired</code> | <code>unavailable</code>).</li>

\@param filters One or more filters.
</ul>
</li>
<li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>).</li>

\@return Returns a reference to this object so that method calls can be chained together.
*/
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link setFilters(java.util.Collection) ] or [ @link withFilters(java.util.Collection) ] if you want to override the existing values.
</p>
\@param filters One or more filters.
</ul>
</li>
<li> <code>message</code> - Information about the Availability Zone.</li>
<li> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).</li>
<li> <code>state</code> - The state of the Availability Zone (<code>available</code> | <code>information</code> | <code>impaired</code> | <code>unavailable</code>).</li>

\@param filters One or more filters.
</ul>
</li>
<li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>).</li>

\@return Returns a reference to this object so that method calls can be chained together.
*/
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link setFilters(java.util.Collection) ] or [ @link withFilters(java.util.Collection) ] if you want to override the existing values.
</p>
\@param filters One or more filters.
</ul>
</li>
<li> <code>message</code> - Information about the Availability Zone.
</ul>
</li>
<li> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).</li>

\@param filters One or more filters.
</ul>
</li>
<li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>).</li>
Zone (for example, `<code>us-east-1</code>`). &lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the Availability Zone (`available` | `information` | `impaired` | `unavailable`). &lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;zone-name&lt;/code&gt; - The name of the Availability Zone (for example, `<code>us-east-1a</code>`). &lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;",

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"fluentSetterDocumentation": "/**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;message&lt;/code&gt; - Information about the Availability Zone.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;region-name&lt;/code&gt; - The name of the region for the Availability Zone (for example, `<code>us-east-1</code>`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the Availability Zone (`available` | `information` | `impaired` | `unavailable`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;zone-name&lt;/code&gt; - The name of the Availability Zone (for example, `<code>us-east-1a</code>`).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;\n@param filters One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;message&lt;/code&gt; - Information about the Availability Zone.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;region-name&lt;/code&gt; - The name of the region for the Availability Zone (for example, `<code>us-east-1</code>`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the Availability Zone (`available` | `information` | `impaired` | `unavailable`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;zone-name&lt;/code&gt; - The name of the Availability Zone (for example, `<code>us-east-1a</code>`).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;\n@return Returns a reference to this object so that method calls can be chained together."*/",

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"getterDocumentation": "/**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;message&lt;/code&gt; - Information about the Availability Zone.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;region-name&lt;/code&gt; - The name of the region for the Availability Zone (for example, `<code>us-east-1</code>`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the Availability Zone (`available` | `information` | `impaired` | `unavailable`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;zone-name&lt;/code&gt; - The name of the Availability Zone (for example, `<code>us-east-1a</code>`).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;\n@return One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;message&lt;/code&gt; - Information about the Availability Zone.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;region-name&lt;/code&gt; - The name of the region for the Availability Zone (for example, `<code>us-east-1</code>`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the Availability Zone (`available` | `information` | `impaired` | `unavailable`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;zone-name&lt;/code&gt; - The name of the Availability Zone (for example, `<code>us-east-1a</code>`).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;\n"/**&lt;p&gt;The Availability Zone.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;message&lt;/code&gt; - Information about the Availability Zone.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;region-name&lt;/code&gt; - The name of the region for the Availability Zone (for example, `<code>us-east-1</code>`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the Availability Zone (`available` | `information` | `impaired` | `unavailable`).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;zone-name&lt;/code&gt; - The name of the Availability Zone (for example, `<code>us-east-1a</code>`).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;\n
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"documentation": null
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"statusCode": false,
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"uri": false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "Filter",
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    "documentation" : ",",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
      @param member 
      @return Returns a reference to this object so that
      method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
      @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
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  },
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    "additionalUnmarshallingPath" : null,
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    "statusCode" : false,
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  "list" : false,
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  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
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  "setterModel" : {
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    "variableName" : "member",
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
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"memberType" : "Filter",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
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  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "variableSetterType" : "Filter"
}
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ZoneName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ZoneName",
    "uri" : false
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"idempotencyToken" : false,
"list" : true,
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    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return *
*/",
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            "documentation" : null
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            "greedy" : false,
            "header" : false,
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            "unmarshallLocationName" : "ZoneName",
            "uri" : false
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"setterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
@param zoneNames
The names of one or more Availability Zones.*/",
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"setterModel" : {
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  "variableName" : "zoneNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setZoneNames(java.util.Collection) or @link #withZoneNames(java.util.Collection) if you want to override the existing values.</p>
@param zoneNames The names of one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.List<String>",
  "documentation" : "The names of one or more Availability Zones.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
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"required" : null,
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"unmarshaller" : null,
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  "variableName" : "describeAvailabilityZonesRequest",
  "variableType" : "DescribeAvailabilityZonesRequest",
  "documentation" : null,
  "simpleType" : "DescribeAvailabilityZonesRequest",
  "variableSetterType" : "DescribeAvailabilityZonesRequest",
},
"wrapper" : false,
"DescribeAvailabilityZonesResult" : {
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  "customization" : {
    "artificialResultWrapper" : null,
  },
}
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeAvailabilityZones.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
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"c2jShape" : "AvailabilityZoneList",
"deprecated" : false,
"documentation" : "<p>Information about one or more Availability Zones.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more Availability Zones.</p>
@param availabilityZones Information about one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZones",
"getterDocumentation" : "/**<p>Information about one or more Availability Zones.</p>
@return Information about one or more Availability Zones.*/",
"getterMethodName" : "getAvailabilityZones",
"getterModel" : {
"returnType" : "java.util.List<AvailabilityZone>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "availabilityZoneInfo",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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"interfaceType": "java.util.List",
"listMemberModel": {
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  "c2jShape": "AvailabilityZone",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
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    "documentation": null
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    "unmarshallLocationName": "item",
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   * @param member */",
  "setterMethodName": "setMember",
  "setterModel": {
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    "variableName": "member",
    "variableType": "AvailabilityZone",
    "documentation": "",
    "simpleType": "AvailabilityZone",
    "variableSetterType": "AvailabilityZone"
  }
},

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"simple": false,
"varargSetterDocumentation": "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableName": "member",
"variableType": "AvailabilityZone",
"documentation": "",
"simpleType": "AvailabilityZone",
"variableSetterType": "AvailabilityZone"
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateType": "java.util.List<AvailabilityZone>"
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"map": false,
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"name": "AvailabilityZones",
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"variableName": "availabilityZones",
"variableType": "java.util.List<AvailabilityZone>",
"documentation": "",
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"variableSetterType": "java.util.Collection<AvailabilityZone>"
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"simple": false,
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"documentation" : "<p>Information about one or more Availability Zones.</p>",
"simpleType" : "List<AvailabilityZone>",
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"xmlNameSpaceUri" : null
] ],
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"c2jShape" : "AvailabilityZoneList",
"deprecated" : false,
"documentation" : "<p>Information about one or more Availability Zones.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@<p>Information about one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAvailabilityZones",
"getterDocumentation" : "/**
@<p>Information about one or more Availability Zones.
@return Information about one or more Availability Zones.*/",
"getterMethodName" : "getAvailabilityZones",
"getterModel" : {
"returnType" : "java.util.List<AvailabilityZone>",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
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"unmarshallLocationName" : "availabilityZoneInfo",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "AvailabilityZone",
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
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@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
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"documentation" : null
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
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"documentation" : "",
"simpleType" : "AvailabilityZone",
"variableSetterType" : "AvailabilityZone"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "AvailabilityZone",
"documentation" : "",
"simpleType" : "AvailabilityZone",
"variableSetterType" : "AvailabilityZone"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "AvailabilityZone",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AvailabilityZone",
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"templateType" : "java.util.List<AvailabilityZone>"
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"map" : false,
"mapModel" : null,
"name" : "AvailabilityZones",
"setterDocumentation" : "/**<p>Information about one or more Availability Zones.</p>
@param availabilityZones Information about one or more Availability Zones.*/",
"setterMethodName" : "setAvailabilityZones",
"setterModel" : {
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  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<AvailabilityZone>",
  "documentation" : "",
  "simpleType" : "List<AvailabilityZone>",
  "variableSetterType" : "java.util.Collection<AvailabilityZone>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more Availability Zones.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setAvailabilityZones(java.util.Collection)] or [@link #withAvailabilityZones(java.util.Collection)] if you want to override the existing values.</p>
@param availabilityZones Information about one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<AvailabilityZone>",
  "documentation" : "<p>Information about one or more Availability Zones.</p>",
  "simpleType" : "List<AvailabilityZone>",
  "variableSetterType" : "java.util.Collection<AvailabilityZone>"
},
"xmlns:namespace" : null,
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeAvailabilityZonesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeAvailabilityZonesResult",
  "variableName" : "describeAvailabilityZonesResult",
  "variableType" : "DescribeAvailabilityZonesResult",
  "documentation" : null,
  "simpleType" : "DescribeAvailabilityZonesResult",
  "variableSetterType" : "DescribeAvailabilityZonesResult"
},
"wrapper" : false
},
"DescribeBundleTasksRequest" : {
  "c2jName" : "DescribeBundleTasksRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\"p\"Contains the parameters for DescribeBundleTasks.\"p\"",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeBundleTasks",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlns:namespace" : null
  },
  "members" : [ {
    "c2jName" : "BundleIds",
    "c2jShape" : "BundleIdStringList",
    "c2jName" : null
  } ]
},
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 4427"
"deprecated" : false,
"documentation" : "<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p>
@param bundleIds One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBundleIds",
"getterDocumentation" : "/**\n@<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p>
@return One or more bundle task IDs.

\<p>Default: Describes all your bundle tasks.*/",
"getterMethodName" : "getBundleIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BundleId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BundleId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@<p>member</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@<p>return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
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    "isStreaming": false,
    "location": null,
    "marshallLocationName": "BundleId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "BundleId",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "BundleId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",&
"map" : false,
"mapModel" : null,
"name" : "BundleIds",
"setterDocumentation" : "/**<p>One or more bundle task IDs. Default: Describes all your bundle tasks.</p> <p>Default: Describes all your bundle tasks. */",
"setterMethodName" : "setBundleIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "bundleIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more bundle task IDs.</p> Default: Describes all your bundle tasks. NOTE: This method appends the values to the existing list (if any). Use {@link #setBundleIds(java.util.Collection)} or {@link #withBundleIds(java.util.Collection)} if you want to override the existing values. <p>Default: Describes all your bundle tasks.  
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "bundleIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more bundle task IDs.
  
  Default: Describes all your bundle tasks.

  
  @return Returns a reference to this object so that method calls can be chained together. */
},
"variableSetters" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "bundleIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more bundle task IDs.
  
  Default: Describes all your bundle tasks.

  
  @return Returns a reference to this object so that method calls can be chained together. */
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li>
  <p> bundle-id </p>
  - The ID of the bundle task.
</li>
<li>
  <p> error-code </p>
  - If the task failed, the error code returned.
</li>
<li>
  <p> error-message </p>
  - If the task failed, the error message returned.
</li>
<li>
  <p> instance-id </p>
  - The ID of the instance.
</li>
<li>
  <p> progress </p>
  - The level of task completion, as a percentage (for example, 20%).
</li>
<li>
  <p> s3-bucket </p>
  - The Amazon S3 bucket to store the AMI.
</li>
<li>
  <p> s3-prefix </p>
  - The beginning of the AMI name.
</li>
</ul>
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"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> </ul>
@return One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> </ul>"
task.<p> </li>*="/",
"getterMethodName" : "getFilters",
"getterModel" : {
   "returnType" : "java.util.List<Filter>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Filter",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Filter",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"ListModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Filter",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "@param member \n@return Returns a reference to this object so that
method calls can be chained together.*="/",
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "@return *",
   "getMethod" : "getMember",
   "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:20:00Z).</p> </li> <li> <p> <code>state</code> - The state of the task (pending | waiting-for-shutdown | bundling | storing | cancelling | complete | failed).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> </ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:20:00Z).</p> </li> <li> <p> <code>state</code> - The state of the task (pending | waiting-for-shutdown | bundling | storing | cancelling | complete | failed).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> */",

"setterMethodName": "setFilters",

"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "/**
   * Returns a list of filters.
   */
  "simple": false,
  "varargSetterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:20:00Z).</p> </li> <li> <p> <code>state</code> - The state of the task (pending | waiting-for-shutdown | bundling | storing | cancelling | complete | failed).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> </ul>

This method appends the values to the existing list (if any). Use { @link
#setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.<p>$\textbf{NOTE:}$ This method appends the values to the existing list (if any). Use { @link
#setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.<p>

\textbf{NOTE:} This method appends the values to the existing list (if any). Use { @link
#setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.<p>

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#setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.<p>

\textbf{NOTE:} This method appends the values to the existing list (if any). Use { @link
#setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.<p>

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#setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.<p>

\textbf{NOTE:} This method appends the values to the existing list (if any). Use { @link
#setFilters(java.util.Collection) } or { @link
#withFilters(java.util.Collection) } if you want to override the existing values.<p>
</ul>

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.
    
    
    
    
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlnsNameSpaceUri" : null
},
"membersAsMap" : {
    "BundleIds" : {
        "c2jName" : "BundleIds",
        "c2jShape" : "BundleIdStringList",
        "deprecated" : false,
        "documentation" : "One or more bundle task IDs.
    Default: Describes all your bundle tasks."",
        "enumType" : null,
        "fluentSetterDocumentation" : "One or more bundle task IDs.
    Default: Describes all your bundle tasks.
    
    
    
    "getterDocumentation" : "One or more bundle task IDs.
    Default: Describes all your bundle tasks.""
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BundleId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BundleId",
  "uri" : false
},
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "BundleId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "BundleId",
    },
  },
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "BundleId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "BundleIds",
"setterDocumentation" : "/**\n@param bundleIds One or more bundle task IDs.
\nDefault: Describes all your bundle tasks.*/\n
\n@param bundleIds One or more bundle task IDs.
\nDefault: Describes all your bundle tasks.*/

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"setterMethodName" : "setBundleIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "bundleIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBundleIds(java.util.Collection)} or {@link #withBundleIds(java.util.Collection)} if you want to override the existing values.</p>\n\n\@param bundleIds One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.\n\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "bundleIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (pending, waiting-for-shutdown, bundling, storing, cancelling, complete, failed, update-time).</p> </li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> 
<\/ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
  <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li>
  <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li>
  <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li>
  <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li>
  <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li>
  <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li>
  <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li>
  <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</p> </li>
<\/ul>
"enumType" : null,
<li>
<p>
<code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code>
| <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).\</p>
</li>
<li>
<p>
<code>update-time</code> - The time of the most recent update for the task.\</p>
</li>
</ul>

- The ID of the bundle task.\</li>
<li>
<p>
<code>error-code</code> - If the task failed, the error code returned.\</p>
</li>
<li>
<p>
<code>error-message</code> - If the task failed, the error message returned.\</p>
</li>
<li>
<p>
<code>instance-id</code> - The ID of the instance.\</p>
</li>
<li>
<p>
<code>progress</code> - The level of task completion, as a percentage (for example, 20%).\</p>
</li>
<li>
<p>
<code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.\</p>
</li>
<li>
<p>
<code>s3-prefix</code> - The beginning of the AMI name.\</p>
</li>
<li>
<p>
<code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).\</p>
</li>
<li>
<p>
<code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code>
| <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).\</p>
</li>
<li>
<p>
<code>update-time</code> - The time of the most recent update for the task.\</p>
</li>

"getterDocumentation" : "/**\p
One or more filters.\ul\li\p
<code>bundle-id</code>- The ID of the bundle task.\li\p
<code>error-code</code> - If the task failed, the error code returned.\li\p
<code>error-message</code> - If the task failed, the error message returned.\li\p
<code>instance-id</code> - The ID of the instance.\li\p
<code>progress</code> - The level of task completion, as a percentage (for example, 20%).\li\p
<code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.\li\p
<code>s3-prefix</code> - The beginning of the AMI name.\li\p
<code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).\li\p
<code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code>
| <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).\</p>
</li>
<li>
<p>
<code>update-time</code> - The time of the most recent update for the task.\</p>
</li>

"fluentSetterMethodName" : ":withFilters",

"getterMethodName" : ":getFilters",

"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null,
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>",
  "map" : false,
  "mapModel" : null,
  "name" : "Filters",
  "setterDocumentation" : "/**\nOne or more filters.\n\n<ul><li><code>bundle-id</code> - The ID of the bundle task.\n</li><li><code>error-code</code> - If the task failed, the error code returned.\n</li><li><code>error-message</code> - If the task failed, the error message returned.\n</li><li><code>instance-id</code> - The ID of the instance.\n</li><li><code>progress</code> - The level of task completion, as a percentage (for example, 20%).\n</li><li><code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.\n</li><li><code>s3-prefix</code> - The beginning of the AMI name.\n</li><li><code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).\n</li><li><code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code>)\n</li></ul>*/"]"}
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> </ul>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeBundleTasksRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeBundleTasksRequest",
"variableName" : "describeBundleTasksRequest",
"variableType" : "DescribeBundleTasksRequest",
"documentation" : null,
"simpleType" : "DescribeBundleTasksRequest",
"variableSetterType" : "DescribeBundleTasksRequest"
},
"wrapper" : false
},
"DescribeBundleTasksResult" : {
"c2jName" : "DescribeBundleTasksResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeBundleTasks.</p>"",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"variable" : {
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"variableName" : "describeBundleTasksResult",
"variableType" : "DescribeBundleTasksResult",
"documentation" : null,
"simpleType" : "DescribeBundleTasksResult",
"variableSetterType" : "DescribeBundleTasksResult"
}
}
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "BundleTasks",
  "c2jShape" : "BundleTaskList",
  "deprecated" : false,
  "documentation" : "<p>Information about one or more bundle tasks.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@<param>bundleTasks
Information about one or more bundle tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withBundleTasks",
  "getterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@return Information about one or more bundle tasks.
*/",
  "getterMethodName" : "getBundleTasks",
  "getterModel" : {
    "returnType" : "java.util.List<BundleTask>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BundleInstanceTasksSet",
    "queryString" : false,
    "statusCode" : false,
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    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "BundleTask",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@<param>member
@<return> Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**<p>Information about one or more bundle tasks.
@return Information about one or more bundle tasks.
*/",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<BundleTask>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "BundleTask",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "BundleTask",
  "variableName" : "member",
  "variableType" : "BundleTask",
  "documentation" : "",
  "simpleType" : "BundleTask",
  "variableSetterType" : "BundleTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BundleTask",
  "variableName" : "member",
  "variableType" : "BundleTask",
  "documentation" : "",
  "simpleType" : "BundleTask",
  "variableSetterType" : "BundleTask"
}.
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BundleTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BundleTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
"templateType" : "java.util.List<BundleTask>"
},
"map" : false,
"mapModel" : null,
"name" : "BundleTasks",
"setterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@param bundleTasks Information about one or more bundle tasks.*/",
"setterMethodName" : "setBundleTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
  "variableName" : "bundleTasks",
  "variableType" : "java.util.List<BundleTask>",
  "documentation" : "",
  "simpleType" : "List<BundleTask>",
  "variableSetterType" : "java.util.Collection<BundleTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use {@link #setBundleTasks(java.util.Collection)} or
{@link #withBundleTasks(java.util.Collection)} if you want to override the existing values.</p>
@param bundleTasks Information about one or more bundle tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
  "variableName" : "bundleTasks",
  "variableType" : "java.util.List<BundleTask>",
  "documentation" : "<p>Information about one or more bundle tasks.</p>
  "simpleType" : "List<BundleTask>",
  "variableSetterType" : "java.util.Collection<BundleTask>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "BundleTasks" : {
    "c2jName" : "BundleTasks",
    "c2jShape" : "BundleTaskList",
    "xmlNameSpaceUri" : null
  }
}
"deprecated": false,
"documentation": "\p>Information about one or more bundle tasks.\p>",
"enumType": null,
"fluentSetterDocumentation": "\p>Information about one or more bundle tasks.\p>
\n@\n\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withBundleTasks",
"getterDocumentation": "\p>Information about one or more bundle tasks.\p>
\n@\n\return Information about one or more bundle tasks.*/",
"getterMethodName": "getBundleTasks",
"getterModel": {
  "returnType": "java.util.List<BundleTask>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "BundleInstanceTasksSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "bundleInstanceTasksSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "BundleTask",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "\p>@\n\return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "\p>@\n\return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "BundleTask",
      "documentation": null
    }
  }
}
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
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  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "BundleTask",
  "variableName": "member",
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  "documentation": "",
  "simpleType": "BundleTask",
  "variableSetterType": "BundleTask"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName": "member",
  "variableType": "BundleTask",
  "documentation": "",
  "simpleType": "BundleTask",
  "variableSetterType": "BundleTask"
},
"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "BundleTask",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BundleTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
"templateType" : "java.util.List<BundleTask>",
},
"map" : false,
"mapModel" : null,
"name" : "BundleTasks",
"setterDocumentation" : "/*\n* Information about one or more bundle tasks.
*\n* @param bundleTasks
* Information about one or more bundle tasks.*/",
"setterMethodName" : "setBundleTasks",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
"variableName" : "bundleTasks",
"variableType" : "java.util.List<BundleTask>",
"documentation" : "",
"simpleType" : "List<BundleTask>",
"variableSetterType" : "java.util.Collection<BundleTask>",
},
"simple" : false,
"varargSetterDocumentation" : "/*\n* Information about one or more bundle tasks.\n* \n* @param bundleTasks Information about one or more bundle tasks.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
"variableName" : "bundleTasks",
"variableType" : "java.util.List<BundleTask>",
"documentation" : "Information about one or more bundle tasks.\n*\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeBundleTasksResult",
"unmarshaller" : { "flattened" : false,
"resultWrapper" : null
},
"variable" : {  
  "variableDeclarationType" : "DescribeBundleTasksResult",
  "variableName" : "describeBundleTasksResult",
  "variableType" : "DescribeBundleTasksResult",
  "documentation" : null,
  "simpleType" : "DescribeBundleTasksResult",
  "variableSetterType" : "DescribeBundleTasksResult"
},
"wrapper" : false
},
"DescribeClassicLinkInstancesRequest" : {
  "c2jName" : "DescribeClassicLinkInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeClassicLinkInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeClassicLinkInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>\n@returns\n"@ param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n@return\n"@returns Returns a reference to this object so that method calls can be chained together."*/",
    "fluentSetterMethodName" : "withInstanceIds",
    "getterDocumentation" : "/**<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>\n@returns\n"@ returns One or more instance IDs. Must be instances linked to a VPC through ClassicLink.*/",
    "getterMethodName" : "getInstanceIds",
    "memberDefinitionType" : "DescriptionMemberDefType",
    "name" : "InstanceIds",
    "simpleType" : "InstanceIdStringList",
    "setterDocumentation" : "/**<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>\n@returns\n"@ param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n@return\n"@returns Returns a reference to this object so that method calls can be chained together."*/",
    "setterMethodName" : "withInstanceIds",
    "variableDeclarationType" : "InstanceIdStringList",
    "variableName" : "instanceIds",
    "variableType" : "InstanceIdStringList",
    "variableSetterType" : "InstanceIdStringList"
  }],
  "operationName" : "DescribeClassicLinkInstances",
  "payloadName" : "DescribeClassicLinkInstancesRequest"
}
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
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"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "@return
Returs a reference to this object so that
method calls can be chained together.*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
This method appends the values to the existing list (if any). Use \{@link 
isetInstanceIds(java.util.Collection)} or \{@link 
ewithInstanceIds(java.util.Collection)} if you want to override the
existing values.\n\p@param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n\return Returns a reference to this object so that method calls can be chained together.\n\}.

The ID of a VPC security group that's associated with the instance.\n\p\<li> <p>\<code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.\n\</p>\</li>\<li> <p>\<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose" and the filter "\tag-values=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-key=Purpose</code> filter. If you want to list only resources where Purpose is X, see the <code>tag-key=Purpose</code> filter.\n\</p>\</li>\<li> <p>\<code>vpc-id</code> - The ID of the VPC that the instance is linked to.\n\</p>\</li>\</ul>
a tag assigned to the resource. 

This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \\
"tag-key=Purpose\" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose \\
(regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list \\
only resources where Purpose is X, see the <code>tag</code>::<i>i</i>key<i>/i</i>=<i>i</i>value<i>/i</i> filter. 

### Filters:

- **tag-key** - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose\" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>i</i>key<i>/i</i>=<i>i</i>value<i>/i</i> filter.

- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose\" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>i</i>key<i>/i</i>=<i>i</i>value<i>/i</i> filter.

- **group-id** - The ID of a VPC security group that's associated with the instance.

- **instance-id** - The ID of the instance.

- **tag-key** - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose\" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>i</i>key<i>/i</i>=<i>i</i>value<i>/i</i> filter.

- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose\" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>i</i>key<i>/i</i>=<i>i</i>value<i>/i</i> filter.

- **vpc-id** - The ID of the VPC that the instance is linked to.

### Chained Calls:

If you use both the filter "tag-key=Purpose\" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>i</i>key<i>/i</i>=<i>i</i>value<i>/i</i> filter.

### Return Value:

The method returns a reference to this object so that method calls can be chained together.

```java
public FluentSettersMethod withFilters(List<Filter> filters)
```

### Parameters:

- **filters** - One or more filters.
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return *
     */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Filter",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Filter",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "Filter",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/**\n     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\*/",
      "fluentSetterMethodName": "withMember",
      "getterDocumentation": "/**\n     * @return *
     */",
      "getterMethodName": "getMember",
      "getterModel": {
        "returnType": "Filter",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "Filter",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "Filter",
        "uri": false
      },
      "idempotencyToken": false,
      "list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**\nOne or more filters.\n<\li>\ <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.\n<\li>\ <p> <code>instance-id</code> - The ID of the instance.\n<\li>\ <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.\n<\li>\ <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> 
<li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> 
<li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> 
<li> <p> <code>tag</code>::<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "{tag-key=Purpose}" and the filter "{tag-value=X!}", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter.</p> </li> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li> 
</ul> ",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/*@param nextToken The token to retrieve the next page of results.*/
getterDocumentation" : "/*@return The token to retrieve the next page of results.*/
getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**
   * The token to retrieve the next page of results.
   */
   
   @param nextToken The token to retrieve the next page of results.
   */",
"setterMethodName": "setNextToken",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "nextToken",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
   * The token to retrieve the next page of results.
   */
   
   @param nextToken The token to retrieve the next page of results.
   @return Returns a reference to this object so that method calls can be chained together.
   */",
"variable": {
   "variableDeclarationType": "String",
   "variableName": "nextToken",
   "variableType": "String",
   "documentation": "The token to retrieve the next page of results.
   
   @param nextToken The token to retrieve the next page of results.
   
   @return Returns a reference to this object so that method calls can be chained together.
   */",
   "xmlNameSpaceUri": null
},
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned 
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.

<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
   
   "enumType": null,
   
   "fluentSetterDocumentation": "/**
   * The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned 
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.

<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>

   @param maxResults The maximum number of results to return for the request in a single page.
   */
   
   @param maxResults The maximum number of results to return for the request in a single page.
   */"
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/*<p>The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
Returns The maximum number of results to return for the request in a single page. The remaining
results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : { "returnType" : "Integer",
"documentation" : null },
"http" : { "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/*<p>The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/"
@param maxResults The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.</p>

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The maximum number of results to return for the request in a single
page. The remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.</p>

@param maxResults The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.</p>

@return Returns a reference to this object so that method calls can be chained together.
*/
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs
parameter in the same request.

Constraint: If the value is greater than 1000, we return only 1000
items.
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "One or more filters.
  "li" : "<code>group-id</code>" - The ID of a VPC
security group that's associated with the instance.
  "li" : "<code>instance-id</code>" - The ID of the
instance.
  "li" : "<code>tag</code>:<i>key</i>=<i>value</i>" - The key/value combination of a tag
assigned to the resource.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>

"fluentSetterDocumentation" : "/**<p>One or more filters.</p>
<ul>
<li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li>
<li> <p> <code>instance-id</code> - The ID of the instance.</p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li>
</ul>
</p>

"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**<p>One or more filters.</p>
<ul>
<li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li>
<li> <p> <code>instance-id</code> - The ID of the instance.</p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
</ul>

"return" : Returns a reference to this object so that method calls can be chained together."*/

"fluentSetterMethodNames" : ":"withFilters",

"getterMethodNames" : ":"withFilters",
The ID of the VPC that the instance is linked to.

### Getter Method

- **getFilters**

#### Getter Model

```java
java.util.List<Filter>
```

#### HTTP

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **isPayload**: false
- **isStreaming**: false
- **marshallLocationName**: "Filter"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "Filter"
- **uri**: false

#### Idempotency Token

- **false**

#### List

- **true**

#### List Model

```java
com.amazonaws.internal.SdkInternalList
```

#### Fluent Setter Documentation

```
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

#### Fluent Setter Method Name

- **withMember**

#### Getter Documentation

```
/**
 * @return
 */
```

#### Getter Method Name

- **getMember**

#### Getter Model

```java
Filter
```

#### Http

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **isPayload**: false
- **isStreaming**: false
- **marshallLocationName**: "Filter"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "Filter"
- **uri**: false

#### Idempotency Token

- **false**

#### List

- **true**

#### List Model

```java
com.amazonaws.internal.SdkInternalList
```

#### Fluent Setter Documentation

```
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

#### Fluent Setter Method Name

- **withMember**

#### Getter Documentation

```
/**
 * @return
 */
```

#### Getter Method Name

- **getMember**

#### Getter Model

```java
Filter
```

#### Http

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **isPayload**: false
- **isStreaming**: false
- **marshallLocationName**: "Filter"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "Filter"
- **uri**: false

#### Idempotency Token

- **false**

#### List

- **true**

#### List Model

```java
com.amazonaws.internal.SdkInternalList
```

#### Fluent Setter Documentation

```
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

#### Fluent Setter Method Name

- **withMember**

#### Getter Documentation

```
/**
 * @return
 */
```

#### Getter Method Name

- **getMember**

#### Getter Model

```java
Filter
```

#### Http

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **isPayload**: false
- **isStreaming**: false
- **marshallLocationName**: "Filter"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "Filter"
- **uri**: false

#### Idempotency Token

- **false**

#### List

- **true**

#### List Model

```java
com.amazonaws.internal.SdkInternalList
```

#### Fluent Setter Documentation

```
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

#### Fluent Setter Method Name

- **withMember**

#### Getter Documentation

```
/**
 * @return
 */
```

#### Getter Method Name

- **getMember**

#### Getter Model

```java
Filter
```

#### Http

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **isPayload**: false
- **isStreaming**: false
- **marshallLocationName**: "Filter"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "Filter"
- **uri**: false

#### Idempotency Token

- **false**

#### List

- **true**

#### List Model

```java
com.amazonaws.internal.SdkInternalList
```

#### Fluent Setter Documentation

```
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

#### Fluent Setter Method Name

- **withMember**

#### Getter Documentation

```
/**
 * @return
 */
```

#### Getter Method Name

- **getMember**

#### Getter Model

```java
Filter
```

#### Http

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **isPayload**: false
- **isStreaming**: false
- **marshallLocationName**: "Filter"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "Filter"
- **uri**: false

#### Idempotency Token

- **false**

#### List

- **true**

#### List Model

```java
com.amazonaws.internal.SdkInternalList
```

#### Fluent Setter Documentation

```
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

#### Fluent Setter Method Name

- **withMember**

#### Getter Documentation

```
/**
 * @return
 */
```

#### Getter Method Name

- **getMember**

#### Getter Model

```java
Filter
```

#### Http

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **isPayload**: false
- **isStreaming**: false
- **marshallLocationName**: "Filter"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "Filter"
- **uri**: false
"templateType": "java.util.List<Filter>"
],
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>::<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. <p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li> <ul>
@n@param filters One or more filters.</ul>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
"setterMethodName": "setFilters",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>::<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. <p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li> <ul>
@n@param filters One or more filters.</ul>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>"
security group that’s associated with the instance.</li>
<li> <code>instance-id</code> - The ID of the instance.</li>
<li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XV", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter.</li>
<li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
<li> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</li>

@return Returns a reference to this object so that method calls can be chained together.*/

},

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p>
  
  <li> <code>group-id</code> - The ID of a VPC security group that’s associated with the instance.</li>
  
  <li> <code>instance-id</code> - The ID of the instance.</li>
  
  <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XV", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
  
  <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter.</li>
  
  <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
  
  <li> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</li>

@return Returns a reference to this object so that method calls can be chained together.*/

},

"InstanceIds" : {
  "c2jName" : "InstanceIds",
  "c2jShape" : "InstanceIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>

  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>",
}

"http" : {
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p>
    
    <li> <code>group-id</code> - The ID of a VPC security group that’s associated with the instance.</li>
    
    <li> <code>instance-id</code> - The ID of the instance.</li>
    
    <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XV", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
    
    <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter.</li>
    
    <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
    
    <li> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</li>

    @return Returns a reference to this object so that method calls can be chained together.*/

  },

  "InstanceIds" : {
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>

    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>",
  },

  "http" : {
    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
      "variableName" : "filters",
      "variableType" : "java.util.List<Filter>",
      "documentation" : "<p>One or more filters.</p>
      
      <li> <code>group-id</code> - The ID of a VPC security group that’s associated with the instance.</li>
      
      <li> <code>instance-id</code> - The ID of the instance.</li>
      
      <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XV", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
      
      <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter.</li>
      
      <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
      
      <li> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</li>

      @return Returns a reference to this object so that method calls can be chained together.*/

    },

    "InstanceIds" : {
      "c2jName" : "InstanceIds",
      "c2jShape" : "InstanceIdStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>

      "simpleType" : "List<Filter>",
      "variableSetterType" : "java.util.Collection<Filter>",
    }
  }
}

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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "InstanceId",
"memberType": "String",
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"}
"setterMethodName" : "setInstanceIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more instance IDs. Must be instances linked to a VPC through ClassicLink.
 * This method appends the values to the existing list (if any). Use @link #setInstanceIds(java.util.Collection) or @link #withInstanceIds(java.util.Collection) if you want to override the existing values.
 * @param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more instance IDs. Must be instances linked to a VPC through ClassicLink.
 */",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.
"Constraint: If the value is greater than 1000, we return only 1000 items.
 */",
    "enumType" : null,
    "fluuentSetterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.
"Constraint: If the value is greater than 1000, we return only 1000 items.
 */
}"return Returns a reference to this object so that method calls can be chained together.
 */",}
The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.

Constraint: If the value is greater than 1000, we return only 1000 items.

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.

Constraint: If the value is greater than 1000, we return only 1000 items.
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": /**<p>The maximum number of results to return for the request in a single
page. The remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "<p>The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null
},
"NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The token to retrieve the next page of results. The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType": null,
  "fluentSetterDocumentation": /**<p>The token to retrieve the next page of results. The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNextToken",
  "getterDocumentation": /**<p>The token to retrieve the next page of results.\n@return The token to retrieve the next page of results.*/",
  "getterMethodName": "getNextToken"}
"getterModel": {  
"returnType": "String",
"documentation": null
},
"http": {  
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
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@param nextToken The token to retrieve the next page of results. */",
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"setterModel": {  
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
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@param nextToken The token to retrieve the next page of results. */",
"return": Returns a reference to this object so that method calls can be chained together.
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"variableType": "String",
"documentation": "The token to retrieve the next page of results."",
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"variableSetterType": "String"
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeClassicLinkInstancesRequest",
"unmarshaller" : null,
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  "variableName" : "describeClassicLinkInstancesRequest",
  "variableType" : "DescribeClassicLinkInstancesRequest",
  "documentation" : null,
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  "variableSetterType" : "DescribeClassicLinkInstancesRequest"
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"wrapper" : false
},
"DescribeClassicLinkInstancesResult" : {
  "c2jName" : "DescribeClassicLinkInstancesResult",
  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeClassicLinkInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
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     "deprecated" : false,
     "documentation" : "<p>Information about one or more linked EC2-Classic instances.</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>*/",
     "fluentSetterMethodName" : "withInstances",
     "getterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>*/",
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       "getterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>*/",
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       "location" : "member",
       "memberType" : "ClassicLinkInstanceList")
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  ]
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"getterModel" : {
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    "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "uri" : false
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     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getMethodName" : "getMember",
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      "greedy" : false,
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      "isPayload" : false,
      "isStreaming" : false,
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  }
}
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"uri" : false
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@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "ClassicLinkInstance",
  "documentation" : "",
  "simpleType" : "ClassicLinkInstance",
  "variableSetterType" : "ClassicLinkInstance"
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  "variableName" : "member",
  "variableType" : "ClassicLinkInstance",
  "documentation" : "",
  "simpleType" : "ClassicLinkInstance",
  "variableSetterType" : "ClassicLinkInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ClassicLinkInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ClassicLinkInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
"templateType" : "java.util.List<ClassicLinkInstance>"
},
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>
@param
instances Information about one or more linked EC2-Classic instances.*/",
"setterMethodName" : "setInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<ClassicLinkInstance>",
  "documentation" : "",
  "simpleType" : "List<ClassicLinkInstance>",
  "variableSetterType" : "java.util.Collection<ClassicLinkInstance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInstances(java.util.Collection)} or { @link #withInstances(java.util.Collection)} if you want to override the existing values.</p>
@param
instances Information about one or more linked EC2-Classic instances.
@return
Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<ClassicLinkInstance>",
  "documentation" : "<p>Information about one or more linked EC2-Classic instances.</p>
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  "variableSetterType" : "java.util.Collection<ClassicLinkInstance>"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param
nextToken The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param
return The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getNextToken",
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  "returnType" : "String",
  "documentation" : null
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"http": {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "statusCode" : false,
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  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "NextToken",
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@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
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  "variableType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
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        "c2jShape" : "ClassicLinkInstanceList",
        "deprecated" : false,
        "documentation" : "<p>Information about one or more linked EC2-Classic instances.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>\n@param instances Information about one or more linked EC2-Classic instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withInstances",
        "getterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>\n@return Information about one or more linked EC2-Classic instances.*/",
        "getterMethodName" : "getInstances",
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            "documentation" : null
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
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            "uri" : false
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                "c2jShape" : "ClassicLinkInstance",
                "deprecated" : false,
                "documentation" : "",
                "enumType" : null,
                "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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@return */",
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"statusCode" : false,
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"uri" : false
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"listModel" : null,
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@param member */",
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"documentation" : "",
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"xmlNameSpaceUri": null
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
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"templateType": "java.util.List<ClassicLinkInstance>"
},
"map": false,
"mapModel": null,
"name": "Instances",
"setterDocumentation": "/**<p>Information about one or more linked EC2-Classic instances.</p>
@param instances Information about one or more linked EC2-Classic instances.*/",
"setterMethodName": "setInstances",
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"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
"variableName": "instances",
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"documentation": "",
"simpleType": "List<ClassicLinkInstance>",
"variableSetterType": "java.util.Collection<ClassicLinkInstance>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more linked EC2-Classic instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInstances(java.util.Collection)} or { @link #withInstances(java.util.Collection)} if you want to override the existing values.</p>
@param instances Information about one or more linked EC2-Classic instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableType": "java.util.List<ClassicLinkInstance>",
"documentation": "<p>Information about one or more linked EC2-Classic instances.</p>",
"simpleType": "List<ClassicLinkInstance>",
"variableSetterType": "java.util.Collection<ClassicLinkInstance>"
},
"xmlNameSpaceUri": null
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"NextToken": {
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"deprecated": false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNextToken",
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@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */",
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"setterModel" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
The token to use to retrieve the next page of results. This value is \(\texttt{null}\) when there are no more results to return.

@returns Returns a reference to this object so that method calls can be chained together.

```javascript
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    "documentation" : "The token to use to retrieve the next page of results. This value is \(\texttt{null}\) when there are no more results to return."
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"requestSignerClassFqn" : null,
"required" : null,
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"unmarshaller" : {
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    "resultWrapper" : null
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    "variableName" : "describeClassicLinkInstancesResult",
    "variableType" : "DescribeClassicLinkInstancesResult",
    "documentation" : null,
    "simpleType" : "DescribeClassicLinkInstancesResult",
    "variableSetterType" : "DescribeClassicLinkInstancesResult"
},
"wrapper" : false
}
"DescribeConversionTasksRequest" : {
    "c2jName" : "DescribeConversionTasksRequest",
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Contains the parameters for DescribeConversionTasks."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : 'POST",
  "xmlNameSpaceUri" : null
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"members" : [ {
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  "c2jShape" : "ConversionIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more conversion task IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@param conversionTaskIds
One or more conversion task IDs.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withConversionTaskIds",
  "getterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@return One or more conversion task IDs.</p>
",
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  "getterModel" : { 
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    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "conversionTaskId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : true,
  "listModel" : { 
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    "location" : null,
    "marshallingLocationName" : "ConversionTaskId",
    "payloadLocationName" : null,
    "payloadType" : "list",
    "responseLocationName" : null
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  "isReservedKeyword" : false,
  "isWrapperType" : false,
  "listSize" : 1
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"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : 'POST",
"xmlNameSpaceUri" : null
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"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   *\n   * @param member \n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   *\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
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  "setterMethodName" : "setMember",
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**<p>One or more conversion task IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {link #setConversionTaskIds(java.util.Collection)} or {link #withConversionTaskIds(java.util.Collection)} if you want to override the existing values.</p>
@param conversionTaskIds One or more conversion task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "conversionTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
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"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
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"map" : false,
"mapModel" : null,
"name" : "ConversionTaskIds",
"setterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@param conversionTaskIds One or more conversion task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",�setterMethodName" : "setConversionTaskIds",
"setterModel" : {
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  "variableName" : "conversionTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@param conversionTaskIds One or more conversion task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/,"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "conversionTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
"documentation" : "<p>One or more conversion task IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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"c2jName" : "ConversionTaskIds",
"c2jShape" : "ConversionIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more conversion task IDs.</p>",
"enumType" : null,
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@param conversionTaskIds
One or more conversion task IDs.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withConversionTaskIds",
"getterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@return One or more conversion task IDs."",
"getterMethodName" : "getConversionTaskIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTaskId",
"uri" : false
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"list" : true,
"listModel" : {
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation": "",
"enumType": null,
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@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
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"documentation": null
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"http": {
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
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"mapModel": null,
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together. */",
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"variableName": "member",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
],
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"memberType" : "String",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
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"templateType" : "java.util.List<String>
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"name" : "ConversionTaskIds",
"setterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@param conversionTaskIds One or more conversion task IDs.*/",
"setterMethodName" : "setConversionTaskIds",
"setterModel" : {
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  "variableName" : "conversionTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@link #withConversionTaskIds(java.util.Collection) or
@link #withConversionTaskIds(java.util.Collection) if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more conversion task IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeConversionTasksRequest",
"unmarshaller" : null,
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  "variableName" : "describeConversionTasksRequest",
  "variableType" : "DescribeConversionTasksRequest",
  "documentation" : null,
  "simpleType" : "DescribeConversionTasksRequest",
  "variableSetterType" : "DescribeConversionTasksRequest"
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"wrapper" : false
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"DescribeConversionTasksResult" : {
  "c2jName" : "DescribeConversionTasksResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output for DescribeConversionTasks.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
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      "c2jShape" : "DescribeConversionTaskList",
      "deprecated" : false,
      "documentation" : "<p>Information about the conversion tasks.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the conversion tasks.</p>
\n@param conversionTasks
\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withConversionTasks",
      "getterDocumentation" : "/**<p>Information about the conversion tasks.</p>
\n@return Information about the conversion tasks.*/",
      "getterMethodName" : "getConversionTasks",
      "getterModel" : {
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"documentation" : null
},
"http" : {
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 "header" : false,
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 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "conversionTasks",
 "uri" : false
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 "interfaceType" : "java.util.List",
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 "c2jShape" : "ConversionTask",
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 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
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 "getterDocumentation" : "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
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 "getterModel" : {
 "returnType" : "ConversionTask",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 
"returnType" : "java.util.List<ConversionTask>",
"documentation" : null
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"http" : {
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
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 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"listModel" : null,
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"setterDocumentation" : "/**
@param member */",
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"variableName" : "member",
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"documentation" : "",
"simpleType" : "ConversionTask",
"variableSetterType" : "ConversionTask"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "ConversionTask",
"documentation" : "",
"simpleType" : "ConversionTask",
"variableSetterType" : "ConversionTask"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ConversionTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ConversionTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ConversionTask>",
"templateType" : "java.util.List<ConversionTask>"
},
"map" : false,
"mapModel" : null,
"name": "ConversionTasks",
"setterDocumentation": "/**<p>Information about the conversion tasks.</p>
@param conversionTasks Information about the conversion tasks.*/",
"setterMethodName": "setConversionTasks",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ConversionTask>",
  "variableName": "conversionTasks",
  "variableType": "java.util.List<ConversionTask>",
  "documentation": "",
  "simpleType": "List<ConversionTask>",
  "variableSetterType": "java.util.Collection<ConversionTask>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the conversion tasks.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setConversionTasks(java.util.Collection)] or [@link withConversionTasks(java.util.Collection)] if you want to override the existing values.</p>
@param conversionTasks Information about the conversion tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ConversionTask>",
  "variableName": "conversionTasks",
  "variableType": "java.util.List<ConversionTask>",
  "documentation": "<p>Information about the conversion tasks.</p>",
  "simpleType": "List<ConversionTask>",
  "variableSetterType": "java.util.Collection<ConversionTask>"
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"xmlNameSpaceUri": null
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"membersAsMap": {
  "ConversionTasks": {
    "c2jName": "ConversionTasks",
    "c2jShape": "DescribeConversionTaskList",
    "deprecated": false,
    "documentation": "<p>Information about the conversion tasks.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Information about the conversion tasks.</p>
@param conversionTasks Information about the conversion tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withConversionTasks",
    "getterDocumentation": "/**<p>Information about the conversion tasks.</p>
@return Information about the conversion tasks.*/",
    "getterMethodName": "getConversionTasks",
    "getterModel": {
      "returnType": "java.util.List<ConversionTask>",
      "documentation": null
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    "http": {
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      "additionalMarshallingStrategy": null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "conversionTasks",
"uri" : false
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "ConversionTask",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ConversionTask",
"documentation" : null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "ConversionTask",
  "documentation": "",
  "simpleType": "ConversionTask",
  "variableSetterType": "ConversionTask"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "ConversionTask",
  "documentation": "",
  "simpleType": "ConversionTask",
  "variableSetterType": "ConversionTask"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ConversionTask",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<ConversionTask>",
"templateType": "java.util.List<ConversionTask>"
},
"map": false,
"mapModel": null,
"name": "ConversionTasks",
"setterDocumentation": "/**\n@param conversionTasks
@return Information about the conversion tasks.*/\n@param conversionTasks Information about the conversion tasks.*/",
"setterMethodName": "setConversionTasks",
"setterModel": {
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"variableName": "conversionTasks",
"variableType": "java.util.List<ConversionTask>",
"documentation": "",
"simpleType": "List<ConversionTask>",
"variableSetterType": "java.util.Collection<ConversionTask>",
"simple": false,
"varargSetterDocumentation": "\n\nNOTE: This method appends the values to the existing list (if any). Use \n[ @link #setConversionTasks(java.util.Collection) ]
or \n[ @link #withConversionTasks(java.util.Collection) ] if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ConversionTask>",
"variableName": "conversionTasks",
"variableType": "java.util.List<ConversionTask>",
"documentation": "Information about the conversion tasks.\n\nNOTE: This method appends the values to the existing list (if any). Use \n\n[ @link #setConversionTasks(java.util.Collection) ]
or \n\n[ @link #withConversionTasks(java.util.Collection) ] if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"variable": {
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"variableName": "conversionTasks",
"variableType": "java.util.List<ConversionTask>",
"documentation": "Information about the conversion tasks.\n\nNOTE: This method appends the values to the existing list (if any). Use \n\n[ @link #setConversionTasks(java.util.Collection) ]
or \n\n[ @link #withConversionTasks(java.util.Collection) ] if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together. */",  
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeConversionTasksResult",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "DescribeConversionTasksResult",
"variableName": "describeConversionTasksResult",
"variableType": "DescribeConversionTasksResult",
"documentation": null,
"simpleType": "DescribeConversionTasksResult",
"variableSetterType": "DescribeConversionTasksResult"
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"wrapper": false
},
"DescribeCustomerGatewaysRequest": {
"c2jName": "DescribeCustomerGatewaysRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeCustomerGateways.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodesMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeCustomerGateways",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"c2jName" : "CustomerGatewayIds",
"c2jShape" : "CustomerGatewayIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more customer gateway IDs.</p> <p>Default: Describes all your customer gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more customer gateway IDs.</p> <p>Default: Describes all your customer gateways.</p>
@param customerGatewayIds One or more customer gateway IDs.</p> <p>Default: Describes all your customer gateways.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGatewayIds",
"getterDocumentation" : "/**<p>One or more customer gateway IDs.</p> <p>Default: Describes all your customer gateways.</p>
@return One or more customer gateway IDs.</p> <p>Default: Describes all your customer gateways.
*/",
"getterMethodName" : "getCustomerGatewayIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CustomerGatewayId",
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
},

"memberLocationName": "CustomerGatewayId",

"memberType": "String",

"map": false,

"marshallNonAutoConstructedEmptyLists": false,

"memberAdditionalMarshallingPath": null,

"memberAdditionalUnmarshallingPath": null,

"sendEmptyQueryString": false,

"simple": true,

"simpleType": "String",

"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",

"templateType": "java.util.List<String>",

"map": false,

"mapModel": null,

"name": "CustomerGatewayIds",

"setterDocumentation": "One or more customer gateway IDs. Default: Describes all your customer gateways."

"setterMethodName": "setCustomerGatewayIds",

"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "customerGatewayIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
}}
"simple": false,
"varargSetterDocumentation": "/**<p>One or more customer gateway IDs.</p> 
<p>Default: Describes all your customer gateways.</p>
</p><li><b>NOTE:</b> This method appends the values to the existing list (if any). Use
{ @link #setCustomerGatewayIds(java.util.Collection) } or { @link #withCustomerGatewayIds(java.util.Collection) }
if you want to override the existing values.</p>
</li><li><p>Default: Describes all your customer gateways.
</li><p><code>@param customerGatewayIds One or more customer gateway IDs.</code>
</p><p><code>@return Returns a reference to this object so that method calls can be chained together.*</code> */
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "customerGatewayIds",
  "variableType": "java.util.List<String>",
  "documentation": ":<p>One or more customer gateway IDs.</p> 
<p>Default: Describes all your customer gateways.
</p>
"simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
  "xmlNameSpaceUri": null
},
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": ":<p>One or more filters.</p> 
<ul>
</li>
<li> <code>customer-gateway-id</code> - The ID of the customer gateway.
</li>
<li> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.
</li>
<li> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).
</li>
<li> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.
</li>
<li> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Y</code> for the filter value.
</li>
</ul>
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more filters.</p> 
<ul>
</li>
<li> <code>customer-gateway-id</code> - The ID of the customer gateway.
</li>
<li> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.
</li>
<li> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).
</li>
<li> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.
</li>
<li> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Y</code> for the filter value.
</li>
</ul>
"enumType": null,
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
"xmlNameSpaceUri": null
},
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": ":<p>One or more filters.</p> 
<ul>
</li>
<li> <code>customer-gateway-id</code> - The ID of the customer gateway.
</li>
<li> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.
</li>
<li> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).
</li>
<li> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.
</li>
<li> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Y</code> for the filter value.
</li>
</ul>
"enumType": null,
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
"xmlNameSpaceUri": null
},
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": ":<p>One or more filters.</p> 
<ul>
</li>
<li> <code>customer-gateway-id</code> - The ID of the customer gateway.
</li>
<li> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.
</li>
<li> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).
</li>
<li> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.
</li>
<li> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Y</code> for the filter value.
</li>
</ul>
"enumType": null,
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose\" and the filter "\tag-value=X\" filter, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. Example, if you use both the filter tag-key=Purpose and the filter tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. Example, if you use both the filter tag-key=Purpose and the filter tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. */
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
{idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",

"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <code>ip-address</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).<p> <code>state</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.</p>
<li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",

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One or more filters. The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN). The ID of the customer gateway. The IP address of the customer gateway's Internet-routable external interface. The state of the customer gateway. The type of customer gateway. Currently, the only supported type is the type of customer gateway. Currently, the only supported type is

\textbf{NOTE:} This method appends the values to the existing list (if any). Use \{@link #setFilters(java.util.Collection)\} or \{@link #withFilters(java.util.Collection)\} if you want to override the existing values.

The variable type is \texttt{List<Filter>}. The variable setter type is \texttt{java.util.Collection<Filter>}.

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify \texttt{tag:Purpose}\texttt{=}\texttt{X} for the filter value.

The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \texttt{tag-key=Purpose} and the filter \texttt{tag-value=X}, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter \texttt{tag=Purpose=}=\texttt{X}.

The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \texttt{tag-key=Purpose} and the filter \texttt{tag-value=X}, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter \texttt{tag=Purpose=}=\texttt{X}.

The value of a tag assigned to the resource. This filter is independent of the tag-key filter. If you want to list only resources where Purpose is X, see the filter \texttt{tag-value=}=\texttt{X}.

Returns a reference to this object so that method calls can be chained together.
<code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).<p>  
</li> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.<p>  
</li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p>  
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "<code>tag-key=Purpose</code>" and the filter "<code>tag-value=X</code>", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<p>  
</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<p>  
</li> </ul>";
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "CustomerGatewayId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "CustomerGatewayIds",
"setterDocumentation": "/**\n<p>One or more customer gateway IDs.</p>
<p>Default: Describes all your customer gateways.</p>
<p>\n@param customerGatewayIds One or more customer gateway IDs.</p>
<p>Default: Describes all your customer gateways.</p>*/",
"setterMethodName": "setCustomerGatewayIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "customerGatewayIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more customer gateway IDs.</p> <p>Default: Describes all
your customer gateways.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
{@link #setCustomerGatewayIds(java.util.Collection)} or {@link #withCustomerGatewayIds(java.util.Collection)}
if you want to override the existing values.</p>\n@param customerGatewayIds One or more customer gateway
IDs.</p> <p>Default: Describes all your customer gateways.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "customerGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more customer gateway IDs.</p> <p>Default: Describes all your customer
gateways.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>bgp-asn</code> - The customer
gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p> </li> <li> <p>
<code>customer-gateway-id</code> - The ID of the customer gateway.</p> </li> <li> <p> <code>ipaddress</code> - The IP address of the customer gateway's Internet-routable external interface.</p> </li> <li> <p>
<code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> |
<code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer
gateway. Currently, the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X,
specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tagvalue</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>bgp-asn</code> - The
<code>customer-gateway-id</code> - The ID of the customer gateway.</p> </li> <li> <p> <code>ipaddress</code> - The IP address of the customer gateway's Internet-routable external interface.</p> </li> <li> <p>
<code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> |
<code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer
gateway. Currently, the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X,

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specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. 

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter. 

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag-key</code>:<i>key</i>=<i>value</i> filter.


- `<code>customer-gateway-id</code>` - The ID of the customer gateway. 

- `<code>ip-address</code>` - The IP address of the customer gateway's Internet-routable external interface. 

- `<code>state</code>` - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). 

- `<code>tag</code>:<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. 

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag-value</code>:<i>key</i>=<i>value</i> filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag-key</code>:<i>key</i>=<i>value</i> filter.


- `<code>customer-gateway-id</code>` - The ID of the customer gateway. 

- `<code>ip-address</code>` - The IP address of the customer gateway's Internet-routable external interface. 

- `<code>state</code>` - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). 

- `<code>tag</code>:<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. 

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag-value</code>:<i>key</i>=<i>value</i> filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag-key</code>:<i>key</i>=<i>value</i> filter.
combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> <li> <p> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key= Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> <li> <p> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p>*/

```java
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * \n     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
  
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"http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Filter",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Filter",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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    "variableName": "member",
    "variableType": "Filter",
    "documentation": "",
    "simpleType": "Filter",
    "variableSetterType": "Filter"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableType": "Filter",
    "documentation": "",
    "simpleType": "Filter",
    "variableSetterType": "Filter"
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"xmlNameSpaceUri": null
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"memberType": "Filter",
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>bgp-asn</code> - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of the customer gateway.</p> </li> <li> <p> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.</p> </li> <li> <p> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.<p> </li> <li> <p> <code>tag:<i>key</i>=<i>value</i></p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>bgp-asn</code> - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of the customer gateway.</p> </li> <li> <p> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.</p> </li> <li> <p> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.<p> </li> <li> <p> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>\*/",
"setterMethodName" : "setFilters",
"setterModel" : { 
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"simple" : false,
"varargSetterDocumentation" : "One or more filters.\n<ul>
<li>bgp-asn - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</li>
<li>customer-gateway-id - The ID of the customer gateway.</li>
<li>ip-address - The IP address of the customer gateway's Internet-routable external interface.</li>
<li>state - The state of the customer gateway.</li>
<li>deleting - The state of the customer gateway.</li>
<li>deleted - The state of the customer gateway.</li>
<li>type - The type of customer gateway.</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setFilters(java.util.Collection)\} or \{@link #withFilters(java.util.Collection)\} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*"}
address - The IP address of the customer gateway's Internet-routable external interface.
state - The state of the customer gateway (pending | available | deleting | deleted).
type - The type of customer gateway. Currently, the only supported type is ipsec.1.
The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.
state - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

```
{"simpleType" : "List<Filter>",
 "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeCustomerGatewaysRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "DescribeCustomerGatewaysRequest",
 "variableName" : "describeCustomerGatewaysRequest",
 "variableType" : "DescribeCustomerGatewaysRequest",
 "documentation" : null,
 "simpleType" : "DescribeCustomerGatewaysRequest",
 "variableSetterType" : "DescribeCustomerGatewaysRequest"
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"wrapper" : false
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"DescribeCustomerGatewaysResult" : {
 "c2jName" : "DescribeCustomerGatewaysResult",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
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 "deprecated" : false,
 "documentation" : "Contains the output of DescribeCustomerGateways.

"enums" : null,
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 "hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "CustomerGateways",
  "c2jShape" : "CustomerGatewayList",
  "deprecated" : false,
  "documentation" : "<p>Information about one or more customer gateways.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n@param customerGateways Information about one or more customer gateways.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withCustomerGateways",
  "getterDocumentation" : "/*\n@return Information about one or more customer gateways.*/",
  "getterMethodName" : "getCustomerGateways",
  "getterModel" : {
    "returnType" : "java.util.List<CustomerGateway>",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "customerGatewaySet",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "CustomerGateway",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**\n @return */",
"getterMethodName": "getMember",
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"documentation": null
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
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"setterMethodName": "setMember",
"setterModel": {
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"variableName": "member",
"variableType": "CustomerGateway",
"documentation": "",
"simpleType": "CustomerGateway",
"variableSetterType": "CustomerGateway"
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"variableName": "member",
"variableType": "CustomerGateway",
"documentation": "",
"simpleType": "CustomerGateway",
"variableSetterType": "CustomerGateway"
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"memberLocationName" : "item",
"memberType" : "CustomerGateway",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CustomerGateway",
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"templateType" : "java.util.List<CustomerGateway>
",
"map" : false,
"mapModel" : null,
"name" : "CustomerGateways",
"setterDocumentation" : "/**<p>Information about one or more customer gateways.</p>
@param customerGateways Information about one or more customer gateways.</p>*/",
"setterMethodName" : "setCustomerGateways",
"setterModel" : {

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"variableName" : "customerGateways",
"variableType" : "java.util.List<CustomerGateway>",
"documentation" : "",
"simpleType" : "List<CustomerGateway>",
"variableSetterType" : "java.util.Collection<CustomerGateway>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more customer gateways.</p>

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"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
"variableName" : "customerGateways",
"variableType" : "java.util.List<CustomerGateway>",
"documentation" : "<p>Information about one or more customer gateways.</p>"",
"simpleType" : "List<CustomerGateway>",
"variableSetterType" : "java.util.Collection<CustomerGateway>
",
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {

"CustomerGateways" : {
"c2jName" : "CustomerGateways",

"c2jShape" : "CustomerGatewayList",
"deprecated" : false,
"documentation" : "<p>Information about one or more customer gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more customer gateways.</p>
@param customerGateways Information about one or more customer gateways.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGateways",
"getterDocumentation" : "/**<p>Information about one or more customer gateways.</p>
@return Information about one or more customer gateways.*/",
"getterMethodName" : "getCustomerGateways",
"getterModel" : {
"returnType" : "java.util.List<CustomerGateway>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "customerGatewaySet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "CustomerGateway",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "CustomerGateway",
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"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CustomerGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
"templateType" : "java.util.List<CustomerGateway>
"},
"map" : false,
"mapModel" : null,
"name" : "CustomerGateways",
"setterDocumentation" : "/**<p>Information about one or more customer gateways.</p>
@param customerGateways Information about one or more customer gateways.*\*/",
"setterMethodName" : "setCustomerGateways",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
    "variableName" : "customerGateways",
    "variableType" : "java.util.List<CustomerGateway>",
    "documentation" : "",
    "simpleType" : "List<CustomerGateway>",
    "variableSetterType" : "java.util.Collection<CustomerGateway>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more customer gateways.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setCustomerGateways(java.util.Collection)} or {@link #withCustomerGateways(java.util.Collection)} if you want to override the existing values.</p>
@param customerGateways Information about one or more customer gateways.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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    "variableName" : "customerGateways",
    "variableType" : "java.util.List<CustomerGateway>",
    "documentation" : "Information about one or more customer gateways.\p"",
    "simpleType" : "List<CustomerGateway>",
    "variableSetterType" : "java.util.Collection<CustomerGateway>
"},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassName" : null,
"required" : null,
"shapeName" : "DescribeCustomerGatewaysResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
"variable" : {
  "variableDeclarationType" : "DescribeCustomerGatewaysResult",
  "variableName" : "describeCustomerGatewaysResult",
  "variableType" : "DescribeCustomerGatewaysResult",
  "documentation" : null,
  "simpleType" : "DescribeCustomerGatewaysResult",
  "variableSetterType" : "DescribeCustomerGatewaysResult"
},
"wrapper" : false
},
"DescribeDhcpOptionsRequest" : {
  "c2jName" : "DescribeDhcpOptionsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeDhcpOptions.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    { "c2jName" : "DhcpOptionsIds",
      "c2jShape" : "DhcpOptionsIdStringList",
      "deprecated" : false,
      "documentation" : "<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>@param dhcpOptionsIds The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
      "fluentSetterMethodName" : "withDhcpOptionsIds",
      "getterDocumentation" : "<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>",
      "getterMethodName" : "getDhcpOptionsIds",
      "getterVisibility" : "public",
      "isCollection" : true,
      "isRequired" : false,
      "location" : null,
      "memberName" : "dhcpOptionsIds",
      "shapeName" : "DhcpOptionsIdStringList",
      "shapeType" : "shape"
    }
  ]
}
your DHCP options sets.

@return The IDs of one or more DHCP options sets.

Default: Describes all your DHCP options sets.

getterMethodName" : "getDhcpOptionsIds",
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        "documentation" : null
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"http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "DhcpOptionsId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "DhcpOptionsId",
        "uri" : false
    },
"idempotencyToken" : false,
"list" : true,
"listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
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            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**
             * @param member
             * @return Returns a reference to this object so that method calls can be chained together.
             */",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**" return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsIds",
"setterDocumentation" : "/*<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p> <p>@param dhcpOptionsIds The IDs of one or more DHCP options sets.*/
<br>Default: Describes all your DHCP options sets.*"/
"setterMethodName" : "setDhcpOptionsIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String">
},
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
}],
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). </p> </li> <li> <p> <code>value</code> - The value for one of the options. </p> </li> </ul> <p> The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> <p> The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose", and the tag value X, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:::<i>key</i>=<i>value</i> filter. 
- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

"enumType": null,

"fluentSetterDocumentation": "/** One or more filters.

- The ID of a set of DHCP options.

- The key for one of the options (for example, <code>domain-name</code>). 

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value. 

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. 

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. 

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value. 

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. 

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. 

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value. 

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value. 

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.

- The value for one of the options.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and "X" for the filter value.
value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li>*/

"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "fluentSetterDocumentation" : "/**\n     * Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n     * Returns a reference to this object so that method calls can be chained together. */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "Filter",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"}

"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li>
<li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</p> </li>
<li> <p> <code>value</code> - The value for one of the options.</p> </li>
</ul>
@param filters One or more filters.
</ul>
*/

"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li>
<li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</p> </li>
<li> <p> <code>value</code> - The value for one of the options.</p> </li>
</ul>
@param filters One or more filters.
</ul>
*/

filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:key=i=value;i filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p> <ul> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</p> </li> <li> <p> <code>value</code> - The value for one of the options.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:key=i=value;i filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>
<p>Returns a reference to this object so that method calls can be chained together.</p>*/

    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
        "variableName" : "filters",
        "variableType" : "java.util.List<Filter>",
        "documentation" : "One or more filters.

        <ul>
          <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> 
          <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</p> </li> 
          <li> <p> <code>value</code> - The value for one of the options.</p> </li> 
          <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> 
          <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:key=i=value;i filter.</p> </li> 
          <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> 
        </ul>"},
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"DhcpOptionsIds" : {
"c2jName" : "DhcpOptionsIds",
"c2jShape" : "DhcpOptionsIdStringList",
"deprecated" : false,
"documentation" : "The IDs of one or more DHCP options sets.

Default: Describes all your
DHCP options sets.

"enumType" : null,
"fluentSetterDocumentation" : "/**\n*p>The IDs of one or more DHCP options sets.</p>\n<p>Default: Describes all your DHCP options sets.</p>\n@param dhcpOptionsIds The IDs of one or more DHCP options sets.</p>\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withDhcpOptionsIds",
"getterDocumentation" : "/**\n*p>The IDs of one or more DHCP options sets.</p>\n<p>Default: Describes all your DHCP options sets.</p>\n@return The IDs of one or more DHCP options sets.</p>\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"getterMethodName" : "getDhcpOptionsIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DhcpOptionsId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : ""
},
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DhcpOptionsId",
"uri" : false
},
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DhcpOptionsId",
"uri" : false
}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpOptionsId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DhcpOptionsId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "DhcpOptionsId",
"memberType" : "String"}
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImpleType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsIds",
"setterDocumentation" : "/**<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>
@param dhcpOptionsIds The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>*/",
"setterMethodName" : "setDhcpOptionsIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "dhcpOptionsIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p> <p>Note: This method appends the values to the existing list (if any). Use [@link #setDhcpOptionsIds(java.util.Collection)] or [@link #withDhcpOptionsIds(java.util.Collection)] if you want to override the existing values.</p>
@param dhcpOptionsIds The IDs of one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together."/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "dhcpOptionsIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li><p code="dhcp-options-id"> The ID of a
One or more filters. • The ID of a set of DHCP options. • The key for one of the options (for example, <code>domain-name</code>). • The value for one of the options. • The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. • The key/value combination of a tag assigned to the resource. This filter is independent of the filter value. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter value. • The value of a tag assigned to the resource. This filter is independent of the filter value. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter value.

### Examples

**Example 1:**

List all DHCP options.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
);```

**Example 2:**

List DHCP options with the tag key Purpose and the tag value X.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
        .withFilters(TagFilter.builder()
            .key("Purpose")
            .value("X")
            .build())
);```

**Example 3:**

List DHCP options with the tag key Purpose and the tag value X, and exclude resources where Purpose is Y.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
        .withFilters(TagFilter.builder()
            .key("Purpose")
            .value("X")
            .build(),
        TagFilter.builder()
            .key("Purpose")
            .value("Y")
            .build())
);```

**Example 4:**

List all DHCP options.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
);```

**Example 5:**

List DHCP options with the tag key Purpose and the tag value X, and return a reference to this object so that method calls can be chained together.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
        .withFilters(TagFilter.builder()
            .key("Purpose")
            .value("X")
            .build())
);```

**Example 6:**

List all DHCP options with the tag key Purpose and tag value X, and return a reference to this object so that method calls can be chained together.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
        .withFilters(TagFilter.builder()
            .key("Purpose")
            .value("X")
            .build())
);```

**Example 7:**

List all DHCP options with the tag key Purpose and tag value X, and return a reference to this object so that method calls can be chained together.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
        .withFilters(TagFilter.builder()
            .key("Purpose")
            .value("X")
            .build())
);```

**Example 8:**

List all DHCP options with the tag key Purpose and tag value X, and return a reference to this object so that method calls can be chained together.

```java
ListDhcpOptionsResult result = client.listDhcpOptions(
    new ListDhcpOptionsRequest()
        .withFilters(TagFilter.builder()
            .key("Purpose")
            .value("X")
            .build())
);```
<code>tag</code>:<i>key</i>=<i>value</i> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. <p></p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</p> <li> <p> <code>value</code> - The value for one of the options.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> filter - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\\" and the filter \"tag-value=X\\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <ul> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</p> <li> <p> <code>value</code> - The value for one of the options.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\\" and the filter \"tag-value=X\\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <p></p>
":getterDocumentation": "/**\n@return */",
":getterMethodName": "getMember",
":getterModel": {
":returnType": "Filter",
":documentation": null
},
":http": {
":additionalMarshallingPath": null,
":additionalUnmarshallingPath": null,
":flattened": false,
":greedy": false,
":header": false,
":isPayload": false,
":isStreaming": false,
":location": null,
":marshallLocationName": "Filter",
":queryString": false,
":statusCode": false,
":unmarshallLocationName": "Filter",
":uri": false
},
":idempotencyToken": false,
":list": false,
":listModel": null,
":map": false,
":mapModel": null,
":name": "Member",
":setterDocumentation": "/**\n@param member */",
":setterMethodName": "setMember",
":setterModel": {
":variableDeclarationType": "Filter",
":variableName": "member",
":variableType": "Filter",
":documentation": "",
":simpleType": "Filter",
":variableSetterType": "Filter"
},
":simple": false,
":varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
":variable": {
":variableDeclarationType": "Filter",
":variableName": "member",
":variableType": "Filter",
":documentation": "",
":simpleType": "Filter",
":variableSetterType": "Filter"
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
 * One or more filters.</p> <ul>
 * <li> <p>
 * dhcp-options-id</p> - The ID of a set of DHCP options.</li>
 * </ul> <ul>
 * <li> <p>
 * key</p> - The key for one of the options (for example, domain-name</li>
 * </ul> <ul>
 * <li> <p>
 * value</p> - The value for one of the options.</li>
 * </ul> <ul>
 * <li> <p>
 * tag: <i>key</i>=<i>value</i> - The key/value combination of a tag assigned to
 * the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for
 * the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the
 * filter value.</li>
 * </ul> <ul>
 * <li> <p>
 * tag-key</p> - The key of a tag assigned to the resource. This filter is independent of
 * the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the
 * filter "tag-value=X1", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and
 * the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
 * <code>tag: <i>key</i>=<i>value</i></code> filter. If you want to list only resources where tag key is X, see the
 * <code>tag-key</code> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the
 * filter "tag-value=X1", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and
 * the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
 * <code>tag: <i>key</i>=<i>value</i></code> filter. If you want to list only resources where tag key is X, see the
 * <code>tag-key</code> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the
 * filter "tag-value=X1", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and
 * the tag value X (regardless of what the tag's key is).

 * @param filters One or more filters.</p> <ul>
 * <li> <p>
 * dhcp-options-id</p> - The ID of a set of DHCP options.</li>
 * </ul> <ul>
 * <li> <p>
 * key</p> - The key for one of the options (for example, domain-name</li>
 * </ul> <ul>
 * <li> <p>
 * value</p> - The value for one of the options.</li>
 * </ul> <ul>
 * <li> <p>
 * tag: <i>key</i>=<i>value</i> - The key/value combination of a tag assigned to
 * the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for
 * the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the
 * filter value.</li>
 * </ul> <ul>
 * <li> <p>
 * tag-key</p> - The key of a tag assigned to the resource. This filter is independent of
 * the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the
 * filter "tag-value=X1", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and
 * the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
 * <code>tag: <i>key</i>=<i>value</i></code> filter. If you want to list only resources where tag key is X, see the
 * <code>tag-key</code> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the
 * filter "tag-value=X1", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and
 * the tag value X (regardless of what the tag's key is).

 * @param filters One or more filters.</p>

 "setterMethodName" : "setFilters",
 "setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
 "variableName" : "filters",
 "variableType" : "java.util.List<Filter>",
 "documentation" : "",
 "simpleType" : "List<Filter>"}
"variableSetterType" : "java.util.Collection<Filter>",
"simple" : false,
"varargSetterDocumentation" : "/** One or more filters. */ <ul>
<li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). </p> </li> <li> <p> <code>value</code> - The value for one of the options. </p> </li> <li> 
<p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value=X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
</ul>

</ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>

<p><ul><li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options. </p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). </p> </li> <li> <p> <code>value</code> - The value for one of the options. </p> </li> <li> 
<p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value=X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
</ul>

Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p>
<ul>
<li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). </p> </li> <li> <p> <code>value</code> - The value for one of the options. </p> </li> <li> 
<p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value=X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
</ul>

*/

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeDhcpOptionsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeDhcpOptionsRequest",
"variableName" : "describeDhcpOptionsRequest",
"variableType" : "DescribeDhcpOptionsRequest",
"documentation" : null,
"simpleType" : "DescribeDhcpOptionsRequest",
"variableSetterType" : "DescribeDhcpOptionsRequest"
},
"wrapper" : false
],
"DescribeDhcpOptionsResult" : {
"c2jName" : "DescribeDhcpOptionsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeDhcpOptions.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [{
"c2jName" : "DhcpOptions",
"c2jShape" : "DhcpOptionsList",
"deprecated" : false,
"documentation" : "<p>Information about one or more DHCP options sets.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more DHCP options sets.</p>
@param dhcpOptions Information about one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpOptions",
"getterDocumentation" : "/**<p>Information about one or more DHCP options sets.</p>
@return Information about one or more DHCP options sets.*/".
"getterMethodName" : "getDhcpOptions",
"getterModel" : {
  "returnType" : "java.util.List<DhcpOptions>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpOptionsSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dhcpOptionsSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "DhcpOptions",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "DhcpOptions",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "uri" : false
    }
  }
}
"map" : false,
"mapModel" : null,
"name" : "DhcpOptions",
"setterDocumentation" : "/** Information about one or more DHCP options sets. */",
"setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "",
  "simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"simple" : false,
"varargSetterDocumentation" : "/** Information about one or more DHCP options sets. */ NOTE: This method appends the values to the existing list (if any). Use {@link #setDhcpOptions(java.util.Collection)} or {@link #withDhcpOptions(java.util.Collection)} if you want to override the existing values.

@param dhcpOptions Information about one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "Information about one or more DHCP options sets.
",
  "simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "DhcpOptions" : {
    "c2jName" : "DhcpOptions",
    "c2jShape" : "DhcpOptionsList",
    "deprecated" : false,
    "documentation" : "Information about one or more DHCP options sets.
",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** Information about one or more DHCP options sets. */

@param dhcpOptions Information about one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName" : "withDhcpOptions",
    "getterDocumentation" : "/** Information about one or more DHCP options sets.
",
    "getterMethodName" : "getDhcpOptions",
    "getterModel" : {
      "returnType" : "java.util.List<DhcpOptions>",
      "documentation" : null
    }
  }
}

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"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "DhcpOptionsSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "dhcpOptionsSet",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "DhcpOptions",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "DhcpOptions",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
         "location" : null,
         "marshallLocationName" : "Item",
         "queryString" : false,
         "statusCode" : false,
         "unmarshallLocationName" : "item",
      },
   }
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "member",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "member",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "DhcpOptions",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpOptions",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
"templateType" : "java.util.List<DhcpOptions>"
},
"map" : false,
"mapModel" : null,
"name" : "DhcpOptions",
"setterDocumentation" : "/**\nInformation about one or more DHCP options sets.*\n*/"}
"setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "",
  "simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"simple" : false,
"varargSetterDocumentation" : ""/**<p>Information about one or more DHCP options sets.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setDhcpOptions(java.util.Collection) or [@link withDhcpOptions(java.util.Collection)] if you want to override the existing values.</p>
@param dhcpOptions Information about one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "<p>Information about one or more DHCP options sets.</p>
  "simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeDhcpOptionsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeDhcpOptionsResult",
  "variableName" : "describeDhcpOptionsResult",
  "variableType" : "DescribeDhcpOptionsResult",
  "documentation" : null,
  "simpleType" : "DescribeDhcpOptionsResult",
  "variableSetterType" : "DescribeDhcpOptionsResult"
},
"wrapper" : false
},
"DescribeEgressOnlyInternetGatewaysRequest" : {
  "c2jName" : "DescribeEgressOnlyInternetGatewaysRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "description" : "The DescribeEgressOnlyInternetGatewaysRequest structure is used for describing one or more EgressOnlyInternetGateways in an account in a Region.

    This operation returns a list of EgressOnlyInternetGateways in an account in a Region.

    The DescribeEgressOnlyInternetGatewaysRequest takes no parameters.

    The response to DescribeEgressOnlyInternetGateways contains a collection of EgressOnlyInternetGateways.

    **Example Request**

    The following example describes one or more EgressOnlyInternetGateways in an account in a Region.

    **XML Request**

    ```xml
    <DescribeEgressOnlyInternetGatewaysRequest/>
    ```

    **Example Response**

    The following example provides an XML response to the DescribeEgressOnlyInternetGateways request.

    ```xml
    <DescribeEgressOnlyInternetGatewaysResponse>
      <EgressOnlyInternetGateways>
        <EgressOnlyInternetGateway>
          <groupId>[groupId]
          <vpcId>[vpcId]
        </EgressOnlyInternetGateway>
      </EgressOnlyInternetGateways>
    </DescribeEgressOnlyInternetGatewaysResponse>
    ```
  }
}
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeEgressOnlyInternetGateways",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "EgressOnlyInternetGatewayIds",
"c2jShape" : "EgressOnlyInternetGatewayIdList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more egress-only Internet gateway IDs.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;One or more egress-only Internet gateway IDs.&lt;/p&gt;&lt;h2&gt;Param
egressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs.&lt;/h2&gt;&lt;h2&gt;Return
Returns a reference to this object so that method calls can be chained together.*/&lt;/h2&gt;",
"fluentSetterMethodName" : "withEgressOnlyInternetGatewayIds",
"getterDocumentation" : "/**&lt;p&gt;One or more egress-only Internet gateway IDs.&lt;/p&gt;&lt;h2&gt;Return
One or more egress-only Internet gateway IDs.*/&lt;/h2&gt;",
"getterMethodName" : "getEgressOnlyInternetGatewayIds",
"getterModel" : {
"returnType" : "java.util.List&lt;String&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewayId",
"queryString" : false,
"statusCode": false,
"unmarshallLocationName": "EgressOnlyInternetGatewayId",
"uri": false
}
,"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "EgressOnlyInternetGatewayId",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
}
,"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "EgressOnlyInternetGatewayId",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
}
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
}
,"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGatewayIds",
"setterDocumentation": "/**<p>One or more egress-only Internet gateway IDs.</p>
@param egressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs.*/",
"setterMethodName": "setEgressOnlyInternetGatewayIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "egressOnlyInternetGatewayIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>
}
,"simple": false,
"varargSetterDocumentation": "/**<p>One or more egress-only Internet gateway
IDs.</p>

NOTE: This method appends the values to the existing list (if any). Use \{ @link
#setEgressOnlyInternetGatewayIds(java.util.Collection) \} or \{ @link
#withEgressOnlyInternetGatewayIds(java.util.Collection) \} if you want to override the existing
values.\n
\n
@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {  
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "egressOnlyInternetGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more egress-only Internet gateway IDs.",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return for the request in a single page. The
remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned.\n
\n
@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterDocumentation" : "The maximum number of results to return for the request in a single
page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned.\n
\n
@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "The maximum number of results to return for the request in a single page. The
remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned.\n
\n
@returns Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getMaxResults",
"getterModel" : {  
"returnType" : "Integer",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.*/
","setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.
@return Returns a reference to this object so that method calls can be chained together.*/
","variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simple" : true,
  "variableSetterType" : "Integer"
},
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned."
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.

```json
{
    "simpleType": "Integer",
    "variableSetterType": "Integer"
}
```

The token to retrieve the next page of results.

```java
public String getNextToken() {
    return nextToken;
}
```

**setterMethod**

```java
public void setNextToken(String nextToken) {
    this.nextToken = nextToken;
}
```
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The token to retrieve the next page of results.
 * @param nextToken
 * The token to retrieve the next page of results.
 * @return Returns a reference to this object so that method calls can be
 * chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to retrieve the next page of results.</p>
@param nextToken
EgressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs.
@http {"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"xmlNameSpaceUri" : null
}}

"membersAsMap" : {
"EgressOnlyInternetGatewayIds" : {
"c2jName" : "EgressOnlyInternetGatewayIds",
"c2jShape" : "EgressOnlyInternetGatewayIdList",
"deprecated" : false,
"documentation" : "<p>One or more egress-only Internet gateway IDs.</p>
@param egressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgressOnlyInternetGatewayIds",
"getterDocumentation" : "/**
 * One or more egress-only Internet gateway IDs.
 * @return One or more egress-only Internet gateway IDs.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEgressOnlyInternetGatewayIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EgressOnlyInternetGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "EgressOnlyInternetGatewayId",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * param member */
    
  }
}
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGatewayIds",
"setterDocumentation": "/**<p>One or more egress-only Internet gateway IDs.</p>
@param egressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs. */",
"setterMethodName": "setEgressOnlyInternetGatewayIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "egressOnlyInternetGatewayIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
}
"simple" : false,
"varargSetterDocumentation" : "*/<p>One or more egress-only Internet gateway IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setEgressOnlyInternetGatewayIds(java.util.Collection) } or { @link #withEgressOnlyInternetGatewayIds(java.util.Collection) } if you want to override the existing values.</p>

@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "egressOnlyInternetGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more egress-only Internet gateway IDs.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},
"http" : {

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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page.

The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.</p>*/

@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.

@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.</p>*/

@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer"}
"variableType" : "Integer",
"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000; if &lt;code&gt;MaxResults&lt;/code&gt; is given a value larger than 1000, only 1000 results are returned.&lt;/p&gt;",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
],
"xmlNameSpaceUri" : null

"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The token to retrieve the next page of results.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The token to retrieve the next page of results.&lt;/p&gt;\n@returns The token to retrieve the next page of results.&lt;/p&gt;
\n@returns The token to retrieve the next page of results.*\*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**&lt;p&gt;The token to retrieve the next page of results.&lt;/p&gt;\n@returns The token to retrieve the next page of results.*\*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"xmlNameSpaceUri" : null}
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token to retrieve the next page of results.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeEgressOnlyInternetGatewaysRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeEgressOnlyInternetGatewaysRequest",
    "variableName" : "describeEgressOnlyInternetGatewaysRequest",
    "variableType" : "DescribeEgressOnlyInternetGatewaysRequest",
    "documentation" : null,
    "simpleType" : "DescribeEgressOnlyInternetGatewaysRequest",
    "variableSetterType" : "DescribeEgressOnlyInternetGatewaysRequest"
},
"wrapper" : false
},
"DescribeEgressOnlyInternetGatewaysResult" : {
    "c2jName" : "DescribeEgressOnlyInternetGatewaysResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
"deprecated" : false,
"documentation" : "Information about the egress-only Internet gateways.

\param egressOnlyInternetGateways Information about the egress-only Internet gateways.
\return Returns a reference to this object so that method calls can be chained together.

\param\n\getterDocumentation" : 
\getterMethodName" : 
\return\n\getterModel" : 
\returnType" : 
\documentation" : null

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : 
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : 
"java.util.List<EgressOnlyInternetGateway>",

"documentation" : 
"<p>Information about the egress-only Internet gateways.</p>

\param egressOnlyInternetGateways Information about the egress-only Internet gateways.
\return Returns a reference to this object so that method calls can be chained together.

\param\n\getterDocumentation" : 
\getterMethodName" : 
\return\n\getterModel" : 
\returnType" : 
\documentation" : null

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : 
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : 
"java.util.List<EgressOnlyInternetGateway>",

"documentation" : 
"<p>Information about the egress-only Internet gateways.</p>

\param egressOnlyInternetGateways Information about the egress-only Internet gateways.
\return Returns a reference to this object so that method calls can be chained together.

\param\n\getterDocumentation" : 
\getterMethodName" : 
\return\n\getterModel" : 
\returnType" : 
\documentation" : null

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : 
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : 
"java.util.List<EgressOnlyInternetGateway>",

"documentation" : 
"<p>Information about the egress-only Internet gateways.</p>

\param egressOnlyInternetGateways Information about the egress-only Internet gateways.
\return Returns a reference to this object so that method calls can be chained together.

\param\n\getterDocumentation" : 
\getterMethodName" : 
\return\n\getterModel" : 
\returnType" : 
\documentation" : null

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"c2jName" : "member",
"c2jShape" : "EgressOnlyInternetGateway",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
   "returnType" : "EgressOnlyInternetGateway",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Item",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "item",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "EgressOnlyInternetGateway",
   "variableName" : "member",
   "variableType" : "EgressOnlyInternetGateway",
   "documentation" : "",
   "simpleType" : "EgressOnlyInternetGateway",
   "variableSetterType" : "EgressOnlyInternetGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "EgressOnlyInternetGateway",
    "variableName" : "member",
    "variableType" : "EgressOnlyInternetGateway",
    "documentation" : "",
    "simpleType" : "EgressOnlyInternetGateway",
    "variableSetterType" : "EgressOnlyInternetGateway"
  },
  "xmlNameSpaceUri" : null,
  "memberLocationName" : "item",
  "memberType" : "EgressOnlyInternetGateway",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "EgressOnlyInternetGateway",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
  "templateType" : "java.util.List<EgressOnlyInternetGateway>"
},
  "map" : false,
  "mapModel" : null,
  "name" : "EgressOnlyInternetGateways",
  "setterDocumentation" : "/**
   * Information about the egress-only Internet gateways.
   */
   @param
egressOnlyInternetGateways Information about the egress-only Internet gateways.*!
*/",
  "setterMethodName" : "setEgressOnlyInternetGateways",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
    "variableName" : "egressOnlyInternetGateways",
    "variableType" : "java.util.List<EgressOnlyInternetGateway>",
    "documentation" : "",
    "simpleType" : "List<EgressOnlyInternetGateway>",
    "variableSetterType" : "java.util.Collection<EgressOnlyInternetGateway>"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**
   * Information about the egress-only Internet gateways.
   */
   <b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setEgressOnlyInternetGateways(java.util.Collection) } or { @link
#withEgressOnlyInternetGateways(java.util.Collection) } if you want to override the existing values.
*/

@param
egressOnlyInternetGateways Information about the egress-only Internet gateways.

@return Returns a reference to this object so that method calls can be chained together.*!
*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
    "variableName" : "egressOnlyInternetGateways",
    "variableType" : "java.util.List<EgressOnlyInternetGateway>",
    "documentation" : " Information about the egress-only Internet gateways."
  },
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 4560
"simpleType" : "List<EgressOnlyInternetGateway>",
"variableSetterType" : "java.util.Collection<EgressOnlyInternetGateway>"
},
"xmlnsSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken The token to use to retrieve the next page of results.
@return The token to use to retrieve the next page of results.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@return The token to use to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableSetterType" : "java.util.Collection<EgressOnlyInternetGateway>"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The token to use to retrieve the next page of results.
 */
@param
nextToken The token to use to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*\n",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"EgressOnlyInternetGateways" : {
"c2jName" : "EgressOnlyInternetGateways",
"c2jShape" : "EgressOnlyInternetGatewayList",
"deprecated" : false,
"documentation" : "<p>Information about the egress-only Internet gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Information about the egress-only Internet gateways.\n */
@param
egressOnlyInternetGateways Information about the egress-only Internet gateways.\n@return Returns a reference to this object so that method calls can be chained together.*\n",
"fluentSetterMethodName" : "withEgressOnlyInternetGateways",
"getterDocumentation" : "/**\n * Information about the egress-only Internet gateways.\n */
@return Information about the egress-only Internet gateways.\n",
"getterMethodName" : "getEgressOnlyInternetGateways",
"getterModel" : {
"returnType" : "java.util.List<EgressOnlyInternetGateway>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "EgressOnlyInternetGateway",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "EgressOnlyInternetGateway",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member
     * @return */",
    "setterMethodName" : "setMember",
    "setterModel" : {

This method appends the values to the existing list (if any). Use { @link #setEgressOnlyInternetGateways(java.util.Collection) } or { @link #withEgressOnlyInternetGateways(java.util.Collection) } if you want to override the existing values.

@returns A reference to this object so that method calls can be chained together.

### variable

```
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
  "variableName" : "egressOnlyInternetGateways",
  "variableType" : "java.util.List<EgressOnlyInternetGateway>",
  "documentation" : "Information about the egress-only Internet gateways.

  "simpleType" : "List<EgressOnlyInternetGateway>",
  "variableSetterType" : "java.util.Collection<EgressOnlyInternetGateway>"
},
```

### NextToken

```
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results.

  "enumType" : null,
  "fluentSetterDocumentation" : "The token to use to retrieve the next page of results.

  "getterDocumentation" : "The token to use to retrieve the next page of results.

  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
```

A reference to this object so that method calls can be chained together.
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The token to use to retrieve the next page of results.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeEgressOnlyInternetGatewaysResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DescribeEgressOnlyInternetGatewaysResult",
  "variableName": "describeEgressOnlyInternetGatewaysResult",
  "variableType": "DescribeEgressOnlyInternetGatewaysResult",
  "documentation": null,
  "simpleType": "DescribeEgressOnlyInternetGatewaysResult",
  "variableSetterType": "DescribeEgressOnlyInternetGatewaysResult"
},
"wrapper": false
"DescribeExportTasksRequest" : {
  "c2jName" : "DescribeExportTasksRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeExportTasks.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeExportTasks",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "ExportTaskIds",
    "c2jShape" : "ExportTaskIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more export task IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more export task IDs.</p>
@<param exportTaskIds One or more export task IDs.</param>
@<return Returns a reference to this object so that method calls can be chained together.</return>*/",
    "fluentSetterMethodName" : "withExportTaskIds",
    "getterDocumentation" : "/**<p>One or more export task IDs.</p>
@<return One or more export task IDs.</param>
@<getterMethodName" : "getExportTaskIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "method" : "POST",
      "requestUri" : "/describe-export-tasks",
      "target" : null
    }
  }
}
null,  
"marshallLocationName": "ExportTaskId",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "exportTaskId",  
"uri": false  
},  
&idempotencyToken": false,  
"list": true,  
"listModel": {  
"implType": "com.amazonaws.internal.SdkInternalList",  
"interfaceType": "java.util.List",  
"listMemberModel": {  
"c2jName": "member",  
"c2jShape": "String",  
"deprecated": false,  
"documentation": ",
"enumType": null,  
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",  
"fluentSetterMethodName": "withMember",  
"getterDocumentation": "/**\n@return */",  
"getterMethodName": "getMember",  
"getterModel": {  
"returnType": "String",  
"documentation": null  
},  
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocationName": "ExportTaskId",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "ExportTaskId",  
"uri": false  
},  
&idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ExportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ExportTaskIds",
"setterDocumentation" : "/*\nOne or more export task IDs.
*/",
"setterMethodName" : "setExportTaskIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "exportTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"varargSetterDocumentation" : "/**<p>One or more export task IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setExportTaskIds(java.util.Collection)} or {@link #withExportTaskIds(java.util.Collection)} if you want to override the existing values.</p>
@param exportTaskIds One or more export task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "exportTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more export task IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "ExportTaskIds" : {
    "c2jName" : "ExportTaskIds",
    "c2jShape" : "ExportTaskIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more export task IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more export task IDs.</p>
    @param exportTaskIds One or more export task IDs.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withExportTaskIds",
    "getterDocumentation" : "/**<p>One or more export task IDs.</p>
    @return One or more export task IDs.</p>",
    "getterMethodName" : "getExportTaskIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ExportTaskId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "exportTaskId",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flatMember" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ExportTaskId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ExportTaskId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "".
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "".
  }
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ExportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ExportTaskIds",
"setterDocumentation" : "/**\n<p>One or more export task IDs.</p>
@param exportTaskIds One or more export task IDs.*/",
"setterMethodName" : "setExportTaskIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "exportTaskIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>One or more export task IDs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setExportTaskIds(java.util.Collection)} or {@link #withExportTaskIds(java.util.Collection)} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "exportTaskIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more export task IDs.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeExportTasksRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeExportTasksRequest",
    "variableName" : "describeExportTasksRequest",
    "variableType" : "DescribeExportTasksRequest",
    "documentation" : null,
    "simpleType" : "DescribeExportTasksRequest",
    "variableSetterType" : "DescribeExportTasksRequest"
},
"wrapper" : false
},
"DescribeExportTasksResult" : {
    "c2jName" : "DescribeExportTasksResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output for DescribeExportTasks.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "ExportTasks",
        "c2jShape" : "ExportTaskList",
        "deprecated" : false,
        "documentation" : "<p>Information about the export tasks.</p>",
}]
}
"enumType": null,
"fluentSetterDocumentation": "/**
<p>Information about the export tasks.</p>
@param exportTasks
Information about the export tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withExportTasks",
"getterDocumentation": "/**
<p>Information about the export tasks.</p>
@return Information about the export tasks.*/",
"getterMethodName": "getExportTasks",
"getterModel": {
"returnType": "java.util.List<ExportTask>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ExportTaskSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "exportTaskSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "ExportTask",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "ExportTask",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ExportTask",
  "variableName" : "member",
  "variableType" : "ExportTask",
  "documentation" : "",
  "simpleType" : "ExportTask",
  "variableSetterType" : "ExportTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ExportTask",
  "variableName" : "member",
  "variableType" : "ExportTask",
  "documentation" : "",
  "simpleType" : "ExportTask",
  "variableSetterType" : "ExportTask"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ExportTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ExportTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
"templateType" : "java.util.List<ExportTask>",

"map" : false,
"mapModel" : null,
"name" : "ExportTasks",
"setterDocumentation" : "/**<p>Information about the export tasks.</p><p>@param exportTasks Information about the export tasks.</p>*/",
"setterMethodName" : "setExportTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
  "variableName" : "exportTasks",
  "variableType" : "java.util.List<ExportTask>",
  "documentation" : "",
  "simpleType" : "List<ExportTask>",
  "variableSetterType" : "java.util.Collection<ExportTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the export tasks.</p><p>Note: This method appends the values to the existing list (if any). Use [@link #setExportTasks(java.util.Collection)] or [@link #withExportTasks(java.util.Collection)] if you want to override the existing values.</p><p>@param exportTasks Information about the export tasks.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
  "variableName" : "exportTasks",
  "variableType" : "java.util.List<ExportTask>",
  "documentation" : "<p>Information about the export tasks.</p>",
  "simpleType" : "List<ExportTask>",
  "variableSetterType" : "java.util.Collection<ExportTask>"
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "ExportTasks" : {
    "c2jName" : "ExportTasks",
    "c2jShape" : "ExportTaskList",
    "deprecated" : false,
    "documentation" : "<p>Information about the export tasks.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the export tasks.</p><p>@param exportTasks Information about the export tasks.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withExportTasks",
  }
},

"xmlNameSpaceUri" : null
}
"getterDocumentation" : "/**\nInformation about the export tasks.\n*/",
"getterMethodName" : "getExportTasks",
"getterModel" : {
  "returnType" : "java.util.List<ExportTask>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ExportTaskSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "exportTaskSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ExportTask",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@Retention(RUNTIME)\n@Target(ElementType.METHOD)\n\n\n*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ExportTask",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ExportTaskSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "exportTaskSet",
      "uri" : false
    }
  }
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ExportTask",
  "variableName" : "member",
  "variableType" : "ExportTask",
  "documentation" : "",
  "simpleType" : "ExportTask",
  "variableSetterType" : "ExportTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ExportTask",
  "variableName" : "member",
  "variableType" : "ExportTask",
  "documentation" : "",
  "simpleType" : "ExportTask",
  "variableSetterType" : "ExportTask"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "ExportTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ExportTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ExportTask>"
"templateType" : "java.util.List<ExportTask>",
"map" : false,
"mapModel" : null,
"name" : "ExportTasks",
"setterDocumentation" : "/**\n * Information about the export tasks.
 * @param exportTasks Information about the export tasks.*/",
"setterMethodName" : "setExportTasks",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
"variableName" : "exportTasks",
"variableType" : "java.util.List<ExportTask>",
"documentation" : ",",
"simpleType" : "List<ExportTask>",
"variableSetterType" : "java.util.Collection<ExportTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Information about the export tasks.
 * @param exportTasks Information about the export tasks.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
"variableName" : "exportTasks",
"variableType" : "java.util.List<ExportTask>",
"documentation" : "Information about the export tasks.",
"simpleType" : "List<ExportTask>",
"variableSetterType" : "java.util.Collection<ExportTask>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeExportTasksResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeExportTasksResult",
"variableName" : "describeExportTasksResult",
"variableType" : "DescribeExportTasksResult",
"documentation" : null,
"simpleType" : "DescribeExportTasksResult",
"variableSetterType" : "DescribeExportTasksResult"
"DescribeFlowLogsRequest" : {
  "c2jName" : "DescribeFlowLogsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeFlowLogs.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeFlowLogs",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "FlowLogIds",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more flow log IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : /**<p>One or more flow log IDs.</p>\n@returns A reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withFlowLogIds",
    "getterDocumentation" : /**<p>One or more flow log IDs.</p>\n@returns One or more flow log IDs.*/
    "getterMethodName" : "getFlowLogIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "documentation" : null,
      "httpMethod" : "POST",
      "locationName" : null,
      "requestUri" : "/",
      "target" : null,
      "verb" : "POST",
      "xmlNameSpaceUri" : null
    }
  }
},
"wrapper" : false
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowLogId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FlowLogId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : ""},
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more flow log IDs. <p>Note: This method appends the values to the existing list (if any). Use {link #setFlowLogIds(java.util.Collection)} or {link #withFlowLogIds(java.util.Collection)} if you want to override the existing values.</p>
@param flowLogIds One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "flowLogIds",
"variableType" : "java.util.List<String>",
"documentation" : "/p>One or more flow log IDs.</p>
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p>
<ul>
<li><code>deliver-log-status</code> - The status of the logs delivery (SUCCESS | FAILED).
<li><code>flow-log-id</code> - The ID of the flow log.
<li><code>log-group-name</code> - The name of the log group.
<li><code>resource-id</code> - The ID of the VPC, subnet, or network interface.
<li><code>traffic-type</code> - The type of traffic (ACCEPT | REJECT | ALL).
</ul>
@return One or more filters.
"enumType" : null,
"fluentSetterDocumentation" : "<p>One or more filters.</p>
<ul>
<li><code>deliver-log-status</code> - The status of the logs delivery (SUCCESS | FAILED).
<li><code>flow-log-id</code> - The ID of the flow log.
<li><code>log-group-name</code> - The name of the log group.
<li><code>resource-id</code> - The ID of the VPC, subnet, or network interface.
<li><code>traffic-type</code> - The type of traffic (ACCEPT | REJECT | ALL).
</ul>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "<p>One or more filters.</p>
<ul>
<li><code>deliver-log-status</code> - The status of the logs delivery (SUCCESS | FAILED).
<li><code>flow-log-id</code> - The ID of the flow log.
<li><code>log-group-name</code> - The name of the log group.
<li><code>resource-id</code> - The ID of the VPC, subnet, or network interface.
<li><code>traffic-type</code> - The type of traffic (ACCEPT | REJECT | ALL).
</ul>
@return One or more filters.
"null" : null,
"getterSetterMethodType" : "withFilter",
"getterSetterType" : "FilterList"
<code>FAILED</code>)</li>
</p>

- The ID of the flow log.</li>
<li> <p> <code>flow-log-id</code> - The ID of the log group.</li>
<li> <p> <code>log-group-name</code> - The ID of the VPC, subnet, or network interface.</li>
<li> <p> <code>resource-id</code> - The type of traffic (ACCEPT | REJECT | ALL).</li>

**getterMethodName** : "getFilter",

**getterModel** : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

**idempotencyToken** : false,

**list** : true,

**listModel** : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : null
  },
  "fluentSetterDocumentation" : "/*\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",

  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/*\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>!
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filter",
@param filter One or more filters. */
public void setFilter(java.util.Collection<Filter> filter) {
    //...}

"setterMethodName" : "setFilter",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>!
"variableName" : "filter",
"variableType" : "java.util.List<Filter>
"documentation" : "",
"simpleType" : "List<Filter>
"variableSetterType" : "java.util.Collection<Filter>
},
"simple" : false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setFilter(java.util.Collection) or @link #withFilter(java.util.Collection) if you want to override the existing values. */
@param filter One or more filters. */
public void setFilter(java.util.Collection<Filter> filter) {
    //...}

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>!
"variableName" : "filter",
"variableType" : "java.util.List<Filter>
"documentation" : "",
"simpleType" : "List<Filter>
"variableSetterType" : "java.util.Collection<Filter>
},
"simple" : false,
</li>
\}
\}\n@returns Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>!
"variableName" : "filter",
"variableType" : "java.util.List<Filter>
"documentation" : "",
"simpleType" : "List<Filter>
"variableSetterType" : "java.util.Collection<Filter>
},
"simple" : false,
</li>
\}
\}\n@returns Returns a reference to this object so that method calls can be chained together.*/"
id" - The ID of the flow log.</li> <li> <p> <code>log-group-name</code> - The name of the log group.</li> <li> <p> <code>resource-id</code> - The ID of the VPC, subnet, or network interface.</li> <li> <p> <code>traffic-type</code> - The type of traffic (<code>ACCEPT</code> | <code>REJECT</code> | <code>ALL</code>)</p> </li> 

```java
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"id":null,
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated":false,
"documentation": "The token to retrieve the next page of results."",
"enumType":null,
"fluentSetterDocumentation": "The token to retrieve the next page of results."",
"getterDocumentation": "The token to retrieve the next page of results."",
"getterMethodName": "getNextToken",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NextToken",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "The token to retrieve the next page of results."",
"@param nextToken The token to retrieve the next page of results.
```
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken
 The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>
@param maxResults
 The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\n@return
 Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>
@param maxResults
 The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\n@return
 Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getNextToken"
**The maximum number of results to return for the request in a single page.** The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.*/

```
/**
 * The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.*/

```

**The maximum number of results to return for the request in a single page.** The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.*/

```
/**
 * The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.*/

```
1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same
request.</p>\n@param maxResults The maximum number of results to return for the request in a single page. The
remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "<p>The maximum number of results to return for the request in a single page. The
remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"Filter" : {
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>deliver-log-status</code> - The status
of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p> </li> <li> <p> <code>flow-logid</code> - The ID of the flow log.</p> </li> <li> <p> <code>log-group-name</code> - The name of the log
group.</p> </li> <li> <p> <code>resource-id</code> - The ID of the VPC, subnet, or network interface.</p> </li>
<li> <p> <code>traffic-type</code> - The type of traffic (<code>ACCEPT</code> | <code>REJECT</code> |
<code>ALL</code>)</p> </li> </ul>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>deliver-logstatus</code> - The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p> </li>
<li> <p> <code>flow-log-id</code> - The ID of the flow log.</p> </li> <li> <p> <code>log-group-name</code> The name of the log group.</p> </li> <li> <p> <code>resource-id</code> - The ID of the VPC, subnet, or network
interface.</p> </li> <li> <p> <code>traffic-type</code> - The type of traffic (<code>ACCEPT</code> |
<code>REJECT</code> | <code>ALL</code>)</p> </li> </ul>\n@param filter One or more filters.</p> <ul> <li>
<p> <code>deliver-log-status</code> - The status of the logs delivery (<code>SUCCESS</code> |
<p> <code>log-group-name</code> - The name of the log group.</p> </li> <li> <p> <code>resource-id</code> The ID of the VPC, subnet, or network interface.</p> </li> <li> <p> <code>traffic-type</code> - The type of traffic
(<code>ACCEPT</code> | <code>REJECT</code> | <code>ALL</code>)</p> </li>\n@return Returns a reference
to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>deliver-log-status</code> The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p> </li> <li> <p>
<code>flow-log-id</code> - The ID of the flow log.</p> </li> <li> <p> <code>log-group-name</code> - The name
of the log group.</p> </li> <li> <p> <code>resource-id</code> - The ID of the VPC, subnet, or network

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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
**setterDocumentation**

```
/**
 * One or more filters.
 *
 * @param filter One or more filters.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
public void addFilter(Filter filter)
```

```java
public List<Filter> getFilter()
```

```java
public void setFilter(List<Filter> filter)
```

```
setterMethodName" : "addFilter",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
 "variableName" : "filter",
 "variableType" : "java.util.List<Filter>",
 "documentation" : 
 /*
 **
 * One or more filters.
 *
 * @param filter One or more filters.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

```

```java
public void setFilter(java.util.Collection<Filter> filter)
```
"variableType": "java.util.List<Filter>",
"documentation": "<p>One or more filters.<p>
<ul>
<li><p><code>deliver-log-status</code> - The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p></li>
<li><p><code>flow-log-id</code> - The ID of the flow log.</p></li>
<li><p><code>log-group-name</code> - The name of the log group.</p></li>
<li><p><code>resource-id</code> - The ID of the VPC, subnet, or network interface.</p></li>
<li><p><code>traffic-type</code> - The type of traffic (<code>ACCEPT</code> | <code>REJECT</code> | <code>ALL</code>).</p></li>
</ul>
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
},
"xmlNameSpaceUri": null
},
"FlowLogIds": {
"c2jName": "FlowLogIds",
"c2jShape": "ValueStringList",
"deprecated": false,
"documentation": "<p>One or more flow log IDs.<p>
"enumType": null,
"fluentSetterDocumentation": "*/<p>One or more flow log IDs.<p>
@<param flowLogIds One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withFlowLogIds",
"getterDocumentation": "*/<p>One or more flow log IDs.<p>
@return One or more flow log IDs.*/",
"getterMethodName": "getFlowLogIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "FlowLogId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "FlowLogId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
}
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethod" : "getMember",
"getModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
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    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more flow log IDs.</p>

@b>NOTE</b>: This method appends the values to the existing list (if any). Use @link #setFlowLogIds(java.util.Collection) or @link #withFlowLogIds(java.util.Collection) if you want to override the existing values. <p></p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more flow log IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.",
  "getterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
  }
},
"xmlNameSpaceUri" : null
}
The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.

```java
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.

@return Returns a reference to this object so that method calls can be chained together.
```

```java

variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request."

    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>\n@param nextToken The token to retrieve the next page of results.</\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>\n@return The token to retrieve the next page of results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>\n@param nextToken The token to retrieve the next page of results.</\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
**The token to retrieve the next page of results.**

```
@Get

class DescribeFlowLogsResponse
{
    @param
    nextToken the token to retrieve the next page of results.
    @return
    Returns a reference to this object so that method calls can be chained together.
}
```

```
"variable": {
    "variableDeclarationType": "String",
    "variableName": "nextToken",
    "variableType": "String",
    "documentation": "The token to retrieve the next page of results."
},
"xmlNameSpaceUri": null
}
```

```
"DescribeFlowLogsResult": {
    "c2jName": "DescribeFlowLogsResult",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "Contains the output of DescribeFlowLogs."
}
```


"members" : [ 
  
    "c2jName" : "FlowLogs",
    "c2jShape" : "FlowLogSet",
    "deprecated" : false,
    "documentation" : "\p>Information about the flow logs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/\p>Information about the flow logs.</p>\n@param flowLogs Information about the flow logs.\n@return Returns a reference to this object so that method calls can be chained together.*\n",
    "fluentSetterMethodName" : "withFlowLogs",
    "getterDocumentation" : "/\p>Information about the flow logs.</p>\n\n@return Information about the flow logs.*\n",
    "getterMethodName" : "getFlowLogs",
    "getterModel" : {
      "returnType" : "java.util.List<FlowLog>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "FlowLogSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "flowLogSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "FlowLog",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/\n@return *
",
        "getterMethodName" : "getMember",
        "getterModel" : {
        }},
    }
}

---

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"returnType" : "FlowLog",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "FlowLog",
  "variableName" : "member",
  "variableType" : "FlowLog",
  "documentation" : "",
  "simpleType" : "FlowLog",
  "variableSetterType" : "FlowLog"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "FlowLog",
  "variableName" : "member",
  "variableType" : "FlowLog",
  "documentation" : "",
  "simpleType" : "FlowLog",
  "variableSetterType" : "FlowLog"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item"
"memberType" : "FlowLog",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "FlowLog",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"templateType" : "java.util.List<FlowLog>",
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogs",
"setterDocumentation" : "/**<p>Information about the flow logs.</p>
@param flowLogs Information about the flow logs.*/",
"setterMethodName" : "setFlowLogs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"variableName" : "flowLogs",
"variableType" : "java.util.List<FlowLog>",
"documentation" : "",
"simpleType" : "List<FlowLog>",
"variableSetterType" : "java.util.Collection<FlowLog>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the flow logs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFlowLogs(java.util.Collection)} or {@link #withFlowLogs(java.util.Collection)} if you want to override the existing values.</p>
@param flowLogs Information about the flow logs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"variableName" : "flowLogs",
"variableType" : "java.util.List<FlowLog>",
"documentation" : "<p>Information about the flow logs.</p>",
"simpleType" : "List<FlowLog>",
"variableSetterType" : "java.util.Collection<FlowLog>",
"xmlNameSpaceUri" : null
},
"{c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"enumType" : null,
"flunetSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.

### Fluent Setter Method Name

The fluent setter method name for the `NextToken` field is `withNextToken`.

### Getter Documentation

The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

```java
/**
 * The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 *
 * @param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

### Getter Method Name

The getter method name for the `nextToken` field is `getNextToken`.

### Getter Model

- **Type**: String
- **Documentation**: null

### HTTP

- **Additional Marshalling Path**: null
- **Additional Unmarshalling Path**: null
- **Flattened**: false
- **Greedy**: false
- **Header**: false
- **Is Payload**: false
- **Is Streaming**: false
- **Location**: null
- **Marshalling Location Name**: `nextToken`
- **Query String**: false
- **StatusCode**: false
- **Unmarshalling Location Name**: `nextToken`
- **URI**: false

### Idempotency Token

False

### List

False

### List Model

null

### Map

False

### Map Model

null

### Name

`NextToken`

### Setter Documentation

The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

```java
/**
 * The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 *
 * @param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

### Setter Method Name

The setter method name for the `nextToken` field is `setNextToken`.

### Setter Model

- **Variable Declaration Type**: String
- **Variable Name**: `nextToken`
- **Variable Type**: String
- **Documentation**: 
- **Simple Type**: String
- **Variable Setter Type**: String

### Simple

True

### Vararg Setter Documentation

The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

```java
/**
 * The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 * @param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
the next page of results. This value is `<code>null</code>` when there are no more results to return.

`@return` Returns a reference to this object so that method calls can be chained together.

```java
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "The token to use to retrieve the next page of results. This value is `<code>null</code>` when there are no more results to return.

    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "FlowLogs" : {
        "c2jName" : "FlowLogs",
        "c2jShape" : "FlowLogSet",
        "deprecated" : false,
        "documentation" : "Information about the flow logs.

        @return Returns a reference to this object so that method calls can be chained together.

        "getterMethodName" : "getFlowLogs",
        "getterModel" : {
            "returnType" : "java.util.List<FlowLog>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "FlowLogSet",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "flowLogSet",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : true,
        "listModel" : {
            "c2jName" : "FlowLogSet",
            "c2jShape" : "FlowLog",
            "simpleType" : "FlowLog",
            "deprecated" : false,
            "documentation" : "Information about the flow log.

            @param flowLog Information about the flow log.

            @return Returns a reference to this object so that method calls can be chained together.

            "getterMethodName" : "getFlowLog",
            "getterModel" : {
                "returnType" : "FlowLog",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocationName" : "FlowLog",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "flowLog",
                "uri" : false
            },
            "idempotencyToken" : false,
            "list" : true,
            "listModel" : {
                "c2jName" : "FlowLog",
                "c2jShape" : "FlowLog",
                "simpleType" : "FlowLog",
                "deprecated" : false,
                "documentation" : "Information about the flow log.

                @param flowLog Information about the flow log.

                @return Returns a reference to this object so that method calls can be chained together.

                "getterMethodName" : "getFlowLog",
                "getterModel" : {
                    "returnType" : "FlowLog",
                    "documentation" : null
                },
                "http" : {
                    "additionalMarshallingPath" : null,
                    "additionalUnmarshallingPath" : null,
                    "flattened" : false,
                    "greedy" : false,
                    "header" : false,
                    "isPayload" : false,
                    "isStreaming" : false,
                    "location" : null,
                    "marshallLocationName" : "FlowLog",
                    "queryString" : false,
                    "statusCode" : false,
                    "unmarshallLocationName" : "flowLog",
                    "uri" : false
                },
                "idempotencyToken" : false,
                "list" : true,
                "listModel" : {
                    "c2jName" : "FlowLog",
                    "c2jShape" : "FlowLog",
                    "simpleType" : "FlowLog",
                    "deprecated" : false,
                    "documentation" : "Information about the flow log.

                    @param flowLog Information about the flow log.

                    @return Returns a reference to this object so that method calls can be chained together.

                    "getterMethodName" : "getFlowLog",
                    "getterModel" : {
                        "returnType" : "FlowLog",
                        "documentation" : null
                    },
                    "http" : {
                        "additionalMarshallingPath" : null,
                        "additionalUnmarshallingPath" : null,
                        "flattened" : false,
                        "greedy" : false,
                        "header" : false,
                        "isPayload" : false,
                        "isStreaming" : false,
                        "location" : null,
                        "marshallLocationName" : "FlowLog",
                        "queryString" : false,
                        "statusCode" : false,
                        "unmarshallLocationName" : "flowLog",
                        "uri" : false
                    },
                    "idempotencyToken" : false,
                    "list" : true,
                    "listModel" : {
                        "c2jName" : "FlowLog",
                        "c2jShape" : "FlowLog",
                        "simpleType" : "FlowLog",
                        "deprecated" : false,
                        "documentation" : "Information about the flow log.

                        @param flowLog Information about the flow log.

                        @return Returns a reference to this object so that method calls can be chained together.

                        "getterMethodName" : "getFlowLog",
                        "getterModel" : {
                            "returnType" : "FlowLog",
                            "documentation" : null
                        },
                        "http" : {
                            "additionalMarshallingPath" : null,
                            "additionalUnmarshallingPath" : null,
                            "flattened" : false,
                            "greedy" : false,
                            "header" : false,
                            "isPayload" : false,
                            "isStreaming" : false,
                            "location" : null,
                            "marshallLocationName" : "FlowLog",
                            "queryString" : false,
                            "statusCode" : false,
                            "unmarshallLocationName" : "flowLog",
                            "uri" : false
                        },
                        "idempotencyToken" : false,
                        "list" : true,
                        "listModel" : {
                            "c2jName" : "FlowLog",
                            "c2jShape" : "FlowLog",
                            "simpleType" : "FlowLog",
                            "deprecated" : false,
                            "documentation" : "Information about the flow log.

                            @param flowLog Information about the flow log.

                            @return Returns a reference to this object so that method calls can be chained together.

                            "getterMethodName" : "getFlowLog",
                            "getterModel" : {
                                "returnType" : "FlowLog",
                                "documentation" : null
                            },
                            "http" : {
                                "additionalMarshallingPath" : null,
                                "additionalUnmarshallingPath" : null,
                                "flattened" : false,
                                "greedy" : false,
                                "header" : false,
                                "isPayload" : false,
                                "isStreaming" : false,
                                "location" : null,
                                "marshallLocationName" : "FlowLog",
                                "queryString" : false,
                                "statusCode" : false,
                                "unmarshallLocationName" : "flowLog",
                                "uri" : false
                            }
                        }
                    }
                }
            }
        }
    }
}
```
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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "FlowLog",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "FlowLog",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "FlowLog",
    "variableName" : "member",
    "variableType" : "FlowLog",
    "documentation" : "",
    "simpleType" : "FlowLog",
    "variableSetterType" : "FlowLog"
  }
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "FlowLog",
"variableName" : "member",
"variableType" : "FlowLog",
"documentation" : "",
"simpleType" : "FlowLog",
"variableSetterType" : "FlowLog"
},
"xmlNameSpaceUri" : null
",
"memberLocationName" : "item",
"memberType" : "FlowLog",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "FlowLog",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"templateType" : "java.util.List<FlowLog>
",
"map" : false,
"mapModel" : null,
"name" : "FlowLogs",
"setterDocumentation" : "/**<p>Information about the flow logs.</p>
@param flowLogs Information about the flow logs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFlowLogs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"variableName" : "flowLogs",
"variableType" : "java.util.List<FlowLog>",
"documentation" : "",
"simpleType" : "List<FlowLog>",
"variableSetterType" : "java.util.Collection<FlowLog>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the flow logs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFlowLogs(java.util.Collection)] or [@link #withFlowLogs(java.util.Collection)] if you want to override the existing values.

@param flowLogs Information about the flow logs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"variableName" : "flowLogs",
}
"variableType" : "java.util.List<FlowLog>",
"documentation" : "<p>Information about the flow logs.</p>",
"simpleType" : "List<FlowLog>",
"variableSetterType" : "java.util.Collection<FlowLog>"
],
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return."",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n  \n  \n  @param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n  \n  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n  \n  \n  @return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken"
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeFlowLogsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
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  "variableName" : "describeFlowLogsResult",
  "variableType" : "DescribeFlowLogsResult",
  "documentation" : null,
  "simpleType" : "DescribeFlowLogsResult",
  "variableSetterType" : "DescribeFlowLogsResult"
},
"wrapper" : false
},
"DescribeHostReservationOfferingsRequest" : {
"c2jName": "DescribeHostReservationOfferingsRequest",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeHostReservationOfferings",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "OfferingId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the reservation offering.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the reservation offering.<p>
    @param offeringId The ID of the reservation offering.<p>@return Returns a reference to this object so that method calls can be chained together.<p/>",
    "fluentSetterMethodName": "withOfferingId",
    "getterDocumentation": "/**<p>The ID of the reservation offering.<p>
    @return The ID of the reservation offering.<p/>",
    "getterMethodName": "getOfferingId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": { 
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
"marshallLocationName": "OfferingId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "OfferingId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OfferingId",
"setterDocumentation": "/**<p>The ID of the reservation offering.</p>
@param offeringId The ID of the reservation offering.*/",
"setterMethodName": "setOfferingId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "offeringId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the reservation offering.</p>
@param offeringId The ID of the reservation offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "offeringId",
"variableType": "String",
"documentation": "The ID of the reservation offering.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "MinDuration",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>
@param minDuration This is the minimum duration of the reservation.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "offeringId",
"variableType": "String",
"documentation": "The ID of the reservation offering.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "MinDuration",
"c2jShape": "Integer",
"deprecated": false,
reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

- @return Returns a reference to this object so that method calls can be chained together.*/,

"fluentSetterMethodName" : "withMinDuration",

"getterDocumentation" : "/**<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>

@return This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.*/",

getterMethodName" : "getMinDuration",

getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MinDuration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinDuration",
  "uri" : false
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"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "MinDuration",

"setterDocumentation" : "/**<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>

@param minDuration This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.*/",

"setterMethodName" : "setMinDuration",

"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableTypeName" : "Integer",
  "value" : null
}
"variableName" : "minDuration",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>
@n@param minDuration This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.
@n@return Returns a reference to this object so that method calls can be chained together.</p>
"*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "minDuration",
"variableType" : "Integer",
"documentation" : "<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>
"<p>@n@param minDuration This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.<n@return Returns a reference to this object so that method calls can be chained together.</p>
"*/",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxDuration",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.</p>
"<p>@n@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.<n@return Returns a reference to this object so that method calls can be chained together.</p>
"*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.</p>
"<p>@n@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.<n@return Returns a reference to this object so that method calls can be chained together.</p>
"*/",
"fluentSetterMethodName" : "withMaxDuration",
"getterDocumentation" : "/**<p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.<n@return Returns a reference to this object so that method calls can be chained together.</p>
"*/"}
example, specify 94608000 for three years.

\@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.*\*/

"setterMethodName" : "setMaxDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxDuration",
  "variableType" : "Integer",
  "documentation" : null
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>This is the maximum duration of the reservation you'd like to purchase,
specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years. <p>
@maxDuration This is the maximum duration of the reservation you’d like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.
</p>

```java
private int maxDuration = 94608000;
```

### maxDuration documentation

This is the maximum duration of the reservation you’d like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.

```java
public FilterList getFilter()
```

### FilterList documentation

One or more filters. The instance family of the offering (e.g., m4). The payment option (NoUpfront | PartialUpfront | AllUpfront).

```java
public FilterList withFilter(Filter... filters)
```

### Filter documentation

The instance family of the offering (e.g., m4). The payment option (NoUpfront | PartialUpfront | AllUpfront).

```java
public Filter instanceFamily(String instanceFamily)
```

### instanceFamily documentation

The instance family of the offering (e.g., m4).

```java
public Filter paymentOption(PaymentOption paymentOption)
```

### paymentOption documentation

The payment option (NoUpfront | PartialUpfront | AllUpfront).
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@��n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@��n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"}
},
"map": false,
"mapModel": null,
"name": "Filter",
"setterDocumentation": "/**\n@��n@param filter One or more filters. */
<li><p>instance-family</p> - The instance family of the offering (e.g., &lt;code&gt;m4&lt;/code&gt;).
<li><p>payment-option</p> - The payment option (&lt;code&gt;NoUpfront&lt;/code&gt; | &lt;code&gt;PartialUpfront&lt;/code&gt; | &lt;code&gt;AllUpfront&lt;/code&gt;)."}
of the offering (e.g., <code>m4</code>).</p> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li>*/

"setterMethodName" : "setFilter",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override the existing values. <p>/p\\n@param filter One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
<p>/p\\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters. <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override the existing values. <p>/p\\n@param filter One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
<p>/p\\n@return Returns a reference to this object so that method calls can be chained together.*/",

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p> <p>/p\\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p\\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/
@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.*"",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.*"",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results.</p>
@param nextToken The token to use to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken The token to use to retrieve the next page of results.\n@return The token to use to retrieve the next page of results.\n
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n* The token to use to retrieve the next page of results.
* @param nextToken
* The token to use to retrieve the next page of results.
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The token to use to retrieve the next page of results.
* @param nextToken The token to use to retrieve the next page of results.
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token to use to retrieve the next page of results.
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Filter" : {
    "c2jName" : "Filter",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "One or more filters. - The instance family of the offering (e.g., <code>m4</code>). - The payment option (e.g., <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>)."
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* One or more filters. - The instance family of the offering (e.g., <code>m4</code>). - The payment option (e.g., <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).*/"
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "/**
 * One or more filters.
 *<ul>
 * <li> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).<p>  
 * The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).<p>
 * @return One or more filters.<p> 
 *<ul>
 * <li> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).<p>  
 * The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).<p>
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
 * @param member 
 *<ul>
 * <li> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).<p>  
 * The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).<p>
 * @return Returns a reference to this object so that method calls can be chained together.*/"};
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
},
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
@param filter One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> */",
"setterMethodName" : "setFilter",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override the existing values.</p>
@lparam filter One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters.<p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> </ul>
@lreturn Returns a reference to this object so that method calls can be chained together.
*/",
  "variableSetterType" : "java.util.Collection<Filter>"
"MaxDuration" : {
  "c2jName" : "MaxDuration",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.",
  "enumType" : null,

  "fluentSetterDocumentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.",

  "fluentSetterMethodName" : "withMaxDuration",

  "getterDocumentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.",

  "getterMethodName" : "getMaxDuration",

  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
}

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxDuration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxDuration",
  "uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxDuration",
"setterDocumentation" : "/**<p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.</p>
@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.<*/
@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxDuration",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.</p>
@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxDuration",
  "variableType" : "Integer",
  "documentation" : "<p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
"documentation": "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.<p>",

"enumType": null,

"fluentSetterDocumentation": "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.<p>

@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.<p>

@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName": "withMaxResults",

"getterDocumentation": "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.<p>

@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.*/",

"getterMethodName": "getMaxResults",

"getterModel": {
"returnType": "Integer",
"documentation": null
},

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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "MaxResults",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "MaxResults",
"uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "MaxResults",

"setterDocumentation": "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.*/"
This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.

```java
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>nextToken</code>` value. This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.

```
reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

```java
return
```

> Returns a reference to this object so that method calls can be chained together.

```java
public Integer getMinDuration() {
    return null;
}
```

> This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

```java
public void setMinDuration(Integer minDuration) {
    this.minDuration = minDuration;
}
```

> This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.
This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year. The token to use to retrieve the next page of results.

**param:**

minDuration

This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

**Returns:**

A reference to this object so that method calls can be chained together.
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : ""/*<p>The token to use to retrieve the next page of results.</p>
@param
token The token to use to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : ""/*<p>The token to use to retrieve the next page of results.</p>
@param
token The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The token to use to retrieve the next page of results.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingId" : {
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the reservation offering."},
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "<p>The ID of the reservation offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeHostReservationOfferingsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeHostReservationOfferingsRequest",
"variableName" : "describeHostReservationOfferingsRequest",
"variableType" : "DescribeHostReservationOfferingsRequest",
"documentation" : null,
"simpleType" : "DescribeHostReservationOfferingsRequest",
"variableSetterType" : "DescribeHostReservationOfferingsRequest"
}
,"wrapper" : false

"DescribeHostReservationOfferingsResult" : {
"c2jName" : "DescribeHostReservationOfferingsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "OfferingSet",
"c2jShape" : "HostOfferingSet",
"deprecated" : false,
"documentation" : "<p>Information about the offerings.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the offerings.</p>
\n@param offeringSet Information"}
about the offerings.

@return Returns a reference to this object so that method calls can be chained together.*/

  "getOfferingSet",
  "getterMethodName" : "getOfferingSet",
  "getterModel" : {
    "returnType" : "java.util.List<HostOffering>",
    "documentation" : null
  },

  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OfferingSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "offeringSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "HostOffering",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/

  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "HostOffering",
    "documentation" : null
  },

  "http" : {
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    "additionalUnmarshallingPath" : null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "HostOffering",
  "variableName": "member",
  "variableType": "HostOffering",
  "documentation": "",
  "simpleType": "HostOffering",
  "variableSetterType": "HostOffering"
},
"simple": false,
"varargSetterDocumentation": "/**\n@\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*\n*}\n
"memberLocationName": null,
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"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType" : "HostOffering",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostOffering>",
"templateType" : "java.util.List<HostOffering>",
},
"map" : false,
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"name" : "OfferingSet",
"setterDocumentation" : "/**
*p>Information about the offerings.</p>
@param offeringSet Information about the offerings.*\n*/",
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"setterModel" : {
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  "variableName" : "offeringSet",
  "variableType" : "java.util.List<HostOffering>",
  "documentation" : "",
  "simpleType" : "List<HostOffering>",
  "variableSetterType" : "java.util.Collection<HostOffering>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
*p>Information about the offerings.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setOfferingSet(java.util.Collection)} or {@link #withOfferingSet(java.util.Collection)} if you want to override the existing values.</p>
@param offeringSet Information about the offerings.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostOffering>",
  "variableName" : "offeringSet",
  "variableType" : "java.util.List<HostOffering>",
  "documentation" : "<p>Information about the offerings.</p>
  "simpleType" : "List<HostOffering>",
  "variableSetterType" : "java.util.Collection<HostOffering>"
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"enumType" : null,
"fluentSetterDocumentation" : "/**
*p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**
*p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*\n*/",}
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  "returnType": "String",
  "documentation": null
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
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"list": false,
"listModel": null,
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"name": "NextToken",
"setterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNextToken",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNextToken",
"setterModel": {
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",null
"getterMethodName": "getNextToken",
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  "greedy": false,
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  "isPayload": false,
  "isStreaming": false,
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  "uri": false
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"map": false,
"mapModel": null,
when there are no more results to return.</p>",
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  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</param><p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName": "withNextToken",
    "getterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</param>*/",
    "getterMethodName": "getNextToken",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "nextToken",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "NextToken",
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"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*"",
"setterMethodName" : "setNextToken",
"setterModel" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"OfferingSet" : {
  "c2jName" : "OfferingSet",
  "c2jShape" : "HostOfferingSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the offerings.</p>
@param offeringSet Information about the offerings.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withOfferingSet",
  "getterDocumentation" : "<p>Information about the offerings.</p>
@return Information about the offerings.
@returns A reference to this object so that method calls can be chained together.*"",
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  "getterModel" : {
    "returnType" : "java.util.List<HostOffering>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "offeringSet",
"uri": false
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"idempotencyToken": false,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "HostOffering",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "HostOffering",
      "documentation": null
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
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      "marshallLocationName": "member",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "member",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
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"documentation" : "",
"simpleType" : "HostOffering",
"variableSetterType" : "HostOffering"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "HostOffering",
"documentation" : "",
"simpleType" : "HostOffering",
"variableSetterType" : "HostOffering"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "HostOffering",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HostOffering",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostOffering>",
"templateType" : "java.util.List<HostOffering>"
},
"map" : false,
"mapModel" : null,
"name" : "OfferingSet",
"setterDocumentation" : "/**\n<p>Information about the offerings.</p>
@param offeringSet Information about the offerings.</param>*/",
"setterMethodName" : "setOfferingSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostOffering>",
"variableName" : "offeringSet",
"variableType" : "HostOffering",
"documentation" : "",
"simpleType" : "HostOffering",
"variableSetterType" : "HostOffering"
},
"simple" : false,
"xmlNameSpaceUri" : null
}
"variableType" : "java.util.List<HostOffering>",
"documentation" : "",
"simpleType" : "List<HostOffering>",
"variableSetterType" : "java.util.Collection<HostOffering>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the offerings.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setOfferingSet(java.util.Collection)} or {@link #withOfferingSet(java.util.Collection)} if you want to override the existing values.</p>
@param offeringSet Information about the offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "offeringSet",
"variableType" : "java.util.List<HostOffering>",
"documentation" : "<p>Information about the offerings.</p>",
"simpleType" : "List<HostOffering>",
"variableSetterType" : "java.util.Collection<HostOffering>",
"xmlNameSpaceUri" : null
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"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeHostReservationOfferingsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeHostReservationOfferingsResult",
"variableName" : "describeHostReservationOfferingsResult",
"variableType" : "DescribeHostReservationOfferingsResult",
"documentation" : null,
"simpleType" : "DescribeHostReservationOfferingsResult",
"variableSetterType" : "DescribeHostReservationOfferingsResult"
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"wrapper" : false
},
"DescribeHostReservationsRequest" : {
"c2jName" : "DescribeHostReservationsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeHostReservations",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "HostReservationIdSet",
    "c2jShape" : "HostReservationIdSet",
    "deprecated" : false,
    "documentation" : "<p>One or more host reservation IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more host reservation IDs.</p>
     * @param hostReservationIdSet
     *     One or more host reservation IDs.
     * @return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withHostReservationIdSet",
    "getterDocumentation" : "/**<p>One or more host reservation IDs.</p>
     * @return One or more host reservation IDs.</p>*/",
    "getterMethodName" : "getHostReservationIdSet",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "HostReservationIdSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "HostReservationIdSet",
      "uri" : false
    }
  }
]
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"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\n
    */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return *
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member *
     */",
    "setterMethodName" : "setMember",
    "setterModel" : {
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      "variableName" : "member",
      "variableType" : "String",
      "documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "HostReservationIdSet",
"setterDocumentation" : "<p>One or more host reservation IDs.</p>
@param hostReservationIdSet One or more host reservation IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHostReservationIdSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostReservationIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "<p>One or more host reservation IDs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setHostReservationIdSet(java.util.Collection)} or {@link #withHostReservationIdSet(java.util.Collection)} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "hostReservationIdSet",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more host reservation IDs.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"c2jName": "Filter",
"c2jShape": "FilterList",
"deprecated": false,

"enumType": null,
@param filter One or more filters.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getFilter",
"getterModel": {
  "returnType": "java.util.List<Filter>",
  "documentation": "null",
}
},
"http": {
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  "additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Filter",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "\n@return */",
"getMethodName": "getMember",
"getterModel": {
"returnType": "Filter",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
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"idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"}
}
"setterMethodName" : "setFilter",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filter",
    "variableType" : "java.util.List<Filter>",
    "documentation" : ",",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "**pOne or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (e.g., <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> <li> <p> <code>state</code> - The state of the reservation (e.g., <code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>). </p> </li> </ul> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override the existing values.</p>

```javascript
@l

@return Returns a reference to this object so that method calls can be chained together.
""

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filter",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "pOne or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (e.g., <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> <li> <p> <code>state</code> - The state of the reservation (e.g., <code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>). </p> </li>
```

```javascript
@l

@return Returns a reference to this object so that method calls can be chained together.
""
```

```javascript
@l
```
error.

"enumType": null,

"fluentSetterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>

@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.

@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"fluentSetterMethodName": "withMaxResults",

"getterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>

@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/",

"getterMethodName": "getMaxResults",

"getterModel": {
  "rtype": "Integer",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxResults",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxResults",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "MaxResults",

"setterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>

@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.

@return Returns a reference to this object so that method calls can be chained together.</p>*/"
error.*",
  "setterMethodName" : "setMaxResults",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned \<code\>nextToken\</code\> value. This value can be between 5 and 500; if \<code\>maxResults\</code\> is given a larger value than 500, you will receive an error. \</p\>\n@example maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned \<code\>nextToken\</code\> value. This value can be between 5 and 500; if \<code\>maxResults\</code\> is given a larger value than 500, you will receive an error.\</p\>\n@example\nreturn Returns a reference to this object so that method calls can be chained together."*/",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.
@return Returns a reference to this object so that method calls can be chained together."*/",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token to use to retrieve the next page of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p><p>@param nextToken The token to use to retrieve the next page of results.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p><p>@return The token to use to retrieve the next page of results.</p>*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false }
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
<p>The token to use to retrieve the next page of results.</p>
@param nextToken
The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "<p>The token to use to retrieve the next page of results.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null }],
"membersAsMap" : {
 "Filter" : {
 "c2jName" : "Filter",
 ...
"c2jShape" : "FilterList",
"deprecated" : false,
"enumType" : null,
"fluentSetterMethodName" : "withFilter",
"getterMethodName" : "getFilter",
"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
}
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
],
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
 "variableDeclarationType": "Filter",
"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
],
"xmlNameSpaceUri": null
],
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
],
"map": false,
"mapModel": null,
"name": "Filter",
"setterDocumentation": "/**\nOne or more filters.\n<ul>
<li><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</li>
<li><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</li>
<li><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</li>
</ul>
@param filter One or more filters.</p> <ul>
<li><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</li>
<li><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</li>
<li><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</li>
</ul>

"setterMethodName": "setFilter",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filter",
"variableType": "java.util.List<Filter>",
"documentation": ""
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
],
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> <li> <p> <code>state</code> - The state of the reservation ( <code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p> </li> </ul> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilter(java.util.Collection)} or [@link #withFilter(java.util.Collection)} if you want to override the existing values.</p>
@param filter One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p> </li> <li> <p> <code>state</code> - The state of the reservation ( <code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "xmlNameSpaceUri" : null
},
"HostReservationIdSet" : {
  "c2jName" : "HostReservationIdSet",
  "c2jShape" : "HostReservationIdSet",
  "deprecated" : false,
  "documentation" : "<p>One or more host reservation IDs.</p>
  @param hostReservationIdSet One or more host reservation IDs.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHostReservationIdSet",
  "getterDocumentation" : "<p>One or more host reservation IDs.</p>
  @return One or more host reservation IDs.*/",
  "getterMethodName" : "getHostReservationIdSet",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  }
},
"HostReservationIdSet" : {
  "c2jName" : "HostReservationIdSet",
  "c2jShape" : "HostReservationIdSet",
  "deprecated" : false,
  "documentation" : "<p>One or more host reservation IDs.</p>
  @param hostReservationIdSet One or more host reservation IDs.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHostReservationIdSet",
  "getterDocumentation" : "<p>One or more host reservation IDs.</p>
  @return One or more host reservation IDs.*/",
  "getterMethodName" : "getHostReservationIdSet",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HostReservationIdSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "HostReservationIdSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
      }
    }
  }
}
"uri" : false, 
"idempotencyToken" : false, 
"list" : false, 
"listModel" : null, 
"map" : false, 
"mapModel" : null, 
"name" : "Member", 
"setterDocumentation" : "/**
@param member */", 
"setterMethodName" : "setMember", 
"setterModel" : { 
"variableDeclarationType" : "String", 
"variableName" : "member", 
"variableType" : "String", 
"documentation" : "", 
"simpleType" : "String", 
"variableSetterType" : "String"
}, 
"simple" : true, 
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/", 
"variable" : { 
"variableDeclarationType" : "String", 
"variableName" : "member", 
"variableType" : "String", 
"documentation" : "", 
"simpleType" : "String", 
"variableSetterType" : "String"
}, 
"xmlNameSpaceUri" : null 
}, 
"memberLocationName" : "item", 
"memberType" : "String", 
"map" : false, 
"marshallNonAutoConstructedEmptyLists" : false, 
"memberAdditionalMarshallingPath" : null, 
"memberAdditionalUnmarshallingPath" : null, 
"sendEmptyQueryString" : false, 
"simple" : true, 
"simpleType" : "String", 
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>", 
"templateType" : "java.util.List<String>"
}, 
"map" : false, 
"mapModel" : null, 
"name" : "HostReservationIdSet", 
"setterDocumentation" : "/**<p>One or more host reservation IDs.</p>
@param hostReservationIdSet One or more host reservation IDs.</param>*/";
"setterMethodName" : "setHostReservationIdSet",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostReservationIdSet",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "simple" : false,
    "varargSetterDocumentation" : " /**<p>One or more host reservation IDs.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setHostReservationIdSet(java.util.Collection)] or [@link #withHostReservationIdSet(java.util.Collection)] if you want to override the existing values.</p><p>@param hostReservationIdSet One or more host reservation IDs.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "hostReservationIdSet",
        "variableType" : "java.util.List<String>",
        "documentation" : "One or more host reservation IDs.",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>",
    },
    "xmlNameSpaceUri" : null
},
"MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/",
    "enumType" : null,
    "fluentSetterDocumentation" : " /**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/",
    "@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/
    "@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "getterDocumentation" : " /**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/
    "@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/"}
error. */
getterMethodName" : "getMaxResults",
getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
idempotencyToken" : false,
list" : false,
"listModel" : null,
map" : false,
"mapModel" : null,
name" : "MaxResults",
setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. */\n@<p@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. */
setterMethodName" : "setMaxResults",
setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
simple" : true,
varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. */\n@<p@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. */

The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. 

```java
/*
 * @return Returns a reference to this object so that method calls can be chained together.*/
 * "variable" : {
 * "variableDeclarationType" : "Integer",
 * "variableName" : "maxResults",
 * "variableType" : "Integer",
 * "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.",
 * "simpleType" : "Integer",
 * "variableSetterType" : "Integer"
 * },
 * "xmlNameSpaceUri" : null
 * },
 * "NextToken" : {
 * "c2jName" : "NextToken",
 * "c2jShape" : "String",
 * "deprecated" : false,
 * "documentation" : "The token to use to retrieve the next page of results.",
 * "enumType" : null,
 * "fluentSetterDocumentation" : "The token to use to retrieve the next page of results.",
 * "getterDocumentation" : "The token to use to retrieve the next page of results.",
 * "getterMethodName" : "getNextToken",
 * "getterModel" : {
 * "returnType" : "String",
 * "documentation" : null
 * },
 * "http" : {
 * "additionalMarshallingPath" : null,
 * "additionalUnmarshallingPath" : null,
 * "flattened" : false,
 * "greedy" : false,
 * "header" : false,
 * "isPayload" : false,
 * "isStreaming" : false,
 * "location" : null,
 * "marshallLocationName" : "NextToken",
 * "queryString" : false,
 * "statusCode" : false,
 * "unmarshallLocationName" : "NextToken",
 * "uri" : false
 * }
 * }
```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n * The token to use to retrieve the next page of results.\n * @param
 * nextToken The token to use to retrieve the next page of results.\n */",
"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The token to use to retrieve the next page of results.\n * @param
 * nextToken The token to use to retrieve the next page of results.\n * @return Returns a reference to this object so that method calls can be chained together.\n */",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "The token to use to retrieve the next page of results.\n",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeHostReservationsRequest",
"unmarshaller" : null,
"variable" : {
   "variableDeclarationType" : "DescribeHostReservationsRequest",
   "variableName" : "describeHostReservationsRequest",
   "variableType" : "DescribeHostReservationsRequest",
   "documentation" : null,
   "simpleType" : "DescribeHostReservationsRequest",
   "variableSetterType" : "DescribeHostReservationsRequest"
},
"wrapper" : false
],
"DescribeHostReservationsResult" : {

"c2jName" : "DescribeHostReservationsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayLoadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "HostReservationSet",
"c2jShape" : "HostReservationSet",
"deprecated" : false,
"documentation" : "<p>Details about the reservation's configuration.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>Details about the reservation's configuration.</p>
@param hostReservationSet Details about the reservation's configuration.
@return Returns a reference to this object so that method calls can be chained together."/"",
"fluentSetterMethodName" : "withHostReservationSet",
"getterDocumentation" : "<p>Details about the reservation's configuration.</p>
@return Details about the reservation's configuration."/",
"getterMethodName" : "getHostReservationSet",
"getterModel" : {
"returnType" : "java.util.List<HostReservation>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayLoad" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostReservationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostReservationSet",
"uri" : false
}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "HostReservation",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*
     */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
     * @return *
     */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "HostReservation",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "member",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "member",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member *
   */",
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "HostReservation",
    "variableName": "member",
    "variableType": "HostReservation",
    "documentation": "";
  }
}
"simpleType": "HostReservation",
"variableSetterType": "HostReservation"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "HostReservation",
"variableName": "member",
"variableType": "HostReservation",
"documentation": "",
"simpleType": "HostReservation",
"variableSetterType": "HostReservation"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "HostReservation",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "HostReservation",
"templateImplType": "com.amazonaws.internal.SdkInternalList<HostReservation>",
"templateType": "java.util.List<HostReservation>
},
"map": false,
"mapModel": null,
"name": "HostReservationSet",
"setterDocumentation": "/**<p>Details about the reservation's configuration.</p>
@param hostReservationSet Details about the reservation's configuration.*\n*/",
"setterMethodName": "setHostReservationSet",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<HostReservation>",
"variableName": "hostReservationSet",
"variableType": "java.util.List<HostReservation>",
"documentation": "",
"simpleType": "List<HostReservation>",
"variableSetterType": "java.util.Collection<HostReservation>
"},
"simple": false,
"varargSetterDocumentation": "/**<p>Details about the reservation's configuration.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
#setHostReservationSet(java.util.Collection)} or { @link #withHostReservationSet(java.util.Collection)} if you want to override the existing values.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

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"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
"HostReservationSet" : {
  "c2jName" : "HostReservationSet",
  "c2jShape" : "HostReservationSet",
  "deprecated" : false,
  "documentation" : "<p>Details about the reservation's configuration.</p>\n","enumType" : null,
  "fluentSetterDocumentation" : "<p>Details about the reservation's configuration.</p>\n@param hostReservationSet Details about the reservation's configuration.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHostReservationSet",
  "getterDocumentation" : "<p>Details about the reservation's configuration.</p>\n RETURN Details about the reservation's configuration.*/",
  "getterMethodName" : "getHostReservationSet",
  "getterModel" : {
  "returnType" : "java.util.List<HostReservation>",
  "documentation" : null
}
"http": {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocationName" : "HostReservationSet",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "hostReservationSet",  
  "uri" : false  
},  
"idempotencyToken" : false,  
"list" : true,  
"listModel" : {  
  "implType" : "com.amazonaws.internal.SdkInternalList",  
  "interfaceType" : "java.util.List",  
  "listMemberModel" : {  
    "c2jName" : "member",  
    "c2jShape" : "HostReservation",  
    "deprecated" : false,  
    "documentation" : ",",  
    "enumType" : null,  
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */
    
    "fluentSetterMethodName" : "withMember",  
    "getterDocumentation" : "/**
     * @return *
    
    "getterMethodName" : "getMember",  
    "getterModel" : {  
      "returnType" : "HostReservation",  
      "documentation" : null  
    },  
    "http" : {  
      "additionalMarshallingPath" : null,  
      "additionalUnmarshallingPath" : null,  
      "flattened" : false,  
      "greedy" : false,  
      "header" : false,  
      "isPayload" : false,  
      "isStreaming" : false,  
      "location" : null,  
      "marshallLocationName" : "member",  
      "queryString" : false,  
      "statusCode" : false,  
      "unmarshallLocationName" : "member",  
      "uri" : false  
    }  
  }  
};
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "HostReservation",
  "variableName" : "member",
  "variableType" : "HostReservation",
  "documentation" : "",
  "simpleType" : "HostReservation",
  "variableSetterType" : "HostReservation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "HostReservation",
  "variableName" : "member",
  "variableType" : "HostReservation",
  "documentation" : "",
  "simpleType" : "HostReservation",
  "variableSetterType" : "HostReservation"
},
"xmlNameSpaceUri" : null,
},
"memberLocationName" : null,
"memberType" : "HostReservation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HostReservation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
"templateType" : "java.util.List<HostReservation>"
},
"map" : false,
"mapModel" : null,
"name" : "HostReservationSet",
"setterDocumentation" : "/**
<p>Details about the reservation's configuration.</p>
@param hostReservationSet Details about the reservation's configuration.*/","
"setterMethodName" : "setHostReservationSet",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
    "variableName" : "hostReservationSet",
    "variableType" : "java.util.List<HostReservation>",
    "documentation" : "",
    "simpleType" : "List<HostReservation>",
    "variableSetterType" : "java.util.Collection<HostReservation>",
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>Details about the reservation's configuration.<br>
*NOTE:* This method appends the values to the existing list (if any). Use [@link
#setHostReservationSet(java.util.Collection)) or [@link #withHostReservationSet(java.util.Collection)) if you want to override the existing values.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
        "variableName" : "hostReservationSet",
        "variableType" : "java.util.List<HostReservation>",
        "documentation" : "Details about the reservation's configuration.<br/>
*NOTE:* This method appends the values to the existing list (if any). Use [@link
#setHostReservationSet(java.util.Collection)) or [@link #withHostReservationSet(java.util.Collection)) if you want to override the existing values.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
        "xmlNameSpaceUri" : "",
    },
    "NextToken" : {
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "enumType" : "",
        "fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "getterDocumentation" : "**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "getterMethodName" : "getNextToken",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : "null",
            "additionalUnmarshallingPath" : null,
        }
    }
}
**The token to use to retrieve the next page of results. This value is**
null when there are no more results to return.

**Returns a reference to this object so that method calls can be chained together.**
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeHostReservationsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeHostReservationsResult",
  "variableName" : "describeHostReservationsResult",
  "variableType" : "DescribeHostReservationsResult",
  "documentation" : null,
  "simpleType" : "DescribeHostReservationsResult",
  "variableSetterType" : "DescribeHostReservationsResult"
},
"wrapper" : false
},
"DescribeHostsRequest" : {
  "c2jName" : "DescribeHostsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeHosts.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeHosts",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "HostIds",
    "c2jShape" : "RequestHostIdList",
    "deprecated" : false,
    "documentation" : "<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance
launches.

```java
@Param hostIds
The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withHostIds",
"getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>

@return The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.*\n",
"getterMethodName" : "getHostIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hostId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
     *
     * @return The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
     */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
     *
     * @return The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
```

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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
},
"map": false,
"mapModel": null,
"name": "HostIds",
"setterDocumentation": "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>
@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
*/",
"setterMethodName": "setHostIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "hostIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setHostIds(java.util.Collection)} or {@link #withHostIds(java.util.Collection)} if you want to override the existing values.</p>
@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "hostIds",
  "variableType": "java.util.List<String>",
  "documentation": "The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"xmlNameSpaceUri": null
},
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token to retrieve the next page of results.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The token to retrieve the next page of results.</p>

@param nextToken The token to retrieve the next page of results.
@return The token to retrieve the next page of results.
*/",
"getterMethodName": "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n\n@param nextToken The token to retrieve the next page of results.*/
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" :"
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param nextToken The token to retrieve the next page of results.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token to retrieve the next page of results.\n  ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.<br/>\n<br/>\n@method <code>setMaxResults</code> returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "setMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.<br/>\n<br/>\n@method <code>getMaxResults</code> returns the maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusLocationName" : "MaxResults",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/
,"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/
,"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/
,"simpleType" : "Integer",
  "variableSetterType" : "Integer"
}.
"xmlNameSpaceUri" : null
},
"c2jName" : "Filter",
"c2jShape" : "FilterList"
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled.</li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
<li> <code>state</code> - The allocation state of the Dedicated Host.</li>
<li> <code>availability-zone</code> - The Availability Zone of the host.</li>
</ul>
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled.</li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
<li> <code>state</code> - The allocation state of the Dedicated Host.</li>
<li> <code>availability-zone</code> - The Availability Zone of the host.</li>
</ul>
@param filter One or more filters."
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "/**
<p>One or more filters.</p>
<ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled.</li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
<li> <code>state</code> - The allocation state of the Dedicated Host.</li>
<li> <code>availability-zone</code> - The Availability Zone of the host.</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together.*/
"getterMethodName" : "getFilter",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"uri" : false
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
}
],
"map" : false,
"mapModel" : null,
"name": "Filter",
"setterDocumentation": "/**<p>One or more filters.</p> <ul>
<li> <p> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</p> </li>
<li> <p> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</p> </li>
<li> <p> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</p> </li>
<li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li>
</ul>
@param filter One or more filters.<p> <ul>
<li> <p> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</p> </li>
<li> <p> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</p> </li>
<li> <p> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</p> </li>
<li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li>
</ul>

@NOTE: This method appends the values to the existing list (if any). Use @link #setFilter(java.util.Collection) or @link #withFilter(java.util.Collection) if you want to override the existing values.</p> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone of the host.</p> </li>
</ul>
@return Returns a reference to this object so that method calls can be chained together.
*/
",
"setterMethodName": "setFilter",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
 "variableName": "filter",
 "variableType": "java.util.List<Filter>",
 "documentation": "",
 "simpleType": "List<Filter>",
 "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p> <ul>
<li> <p> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</p> </li>
<li> <p> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</p> </li>
<li> <p> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</p> </li>
<li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li>
</ul>
<br>NOTE: This method appends the values to the existing list (if any). Use @link #setFilter(java.util.Collection) or @link #withFilter(java.util.Collection) if you want to override the existing values.</p> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone of the host.</p> </li>
</ul>
@return Returns a reference to this object so that method calls can be chained together.
*/

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable": {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filter",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
<li> <code>availability-zone</code> - The Availability Zone of the host.</li>
</ul> "
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>>
"
"xmlNameSpaceUri" : null
"membersAsMap" : {
"Filter" : {
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.
<ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
<li> <code>availability-zone</code> - The Availability Zone of the host.</li>
</ul> "
"enumType" : null,
"fluentSetterDocumentation" : "/** One or more filters.
<ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
<li> <code>availability-zone</code> - The Availability Zone of the host.</li>
</ul> 
@param filter One or more filters.
<ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
</ul> 
"
The instance type size that the Dedicated Host is configured to support.

Whether auto-placement is enabled or disabled.

The ID of the reservation assigned to this host.

The idempotency token you provided when you launched the instance.

The allocation state of the Dedicated Host.

The Allocation Zone of the host.

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The idempotency token you provided when you launched the instance.

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"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "Filter",
  "documentation": null
},
"http": {
  "additional MarshallingPath": null,
  "additional UnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
}
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
}],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**
 One or more filters.
 - The instance type size that the Dedicated Host is configured to support.
 - Whether auto-placement is enabled or disabled (on/off).
 - The ID of the reservation assigned to this host.
 - The idempotency token you provided when you launched the instance.
 - The allocation state of the Dedicated Host (available/under-assessment/permanent-failure/released-permanent-failure).
 - The Availability Zone of the host.
 - The ID of the reservation assigned to this host.
 - The idempotency token you provided when you launched the instance.
 - The allocation state of the Dedicated Host.
 - The Availability Zone of the host.
 */",
"setterMethodName" : "setFilter",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"
"simple" : false,
"varargSetterDocumentation" : "/** One or more filters. */ <ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. </li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance. </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link 
#setFilter(java.util.Collection)] or [@link 
#withFilter(java.util.Collection)] if you want to override the existing values.</p>
@param filter One or more filters. </param>
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters. */ <ul>
<li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
<li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </li>
<li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. </li>
<li> <code>client-token</code> - The idempotency token you provided when you launched the instance. </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link 
#setFilter(java.util.Collection)] or [@link 
#withFilter(java.util.Collection)] if you want to override the existing values.</p>
@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
@return Returns a reference to this object so that method calls can be chained together. */

"c2jName" : "HostIds",
"c2jShape" : "RequestHostIdList",
"deprecated" : false,
"documentation" : "The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches. */
@return Returns a reference to this object so that method calls can be chained together. */

"HostIds" : 
  "HostIds" : ["c2jName" : "HostIds",
  "c2jShape" : "RequestHostIdList",
  "deprecated" : false,
  "documentation" : "The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches. */
  @param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
  @return Returns a reference to this object so that method calls can be chained together. */

  "fluentSetterMethodName" : "withHostIds",
  "xmlNameSpaceUri" : null
},
"HostIds" : ["c2jName" : "HostIds",
  "c2jShape" : "RequestHostIdList",
  "deprecated" : false,
  "documentation" : "The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches. */
  @param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.
  @return Returns a reference to this object so that method calls can be chained together. */

  "fluentSetterMethodName" : "withHostIds",
  "xmlNameSpaceUri" : null
}
The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.

```java
public List<String> getHostIds();
```

**getterDocumentation:**

The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.

**getterMethodName:** `getHostIds`

**getterModel:**

```java
java.util.List<String>
```

**http:**

```java
null
```

**idempotencyToken:** `false`

**list:** `true`

**implType:** `com.amazonaws.internal.SdkInternalList`

**interfaceType:** `java.util.List`

**marshallLocationName:** `HostId`

**queryString:** `false`

**unmarshallLocationName:** `hostId`

`false`

**fluentSetterDocumentation:**

**setterDocumentation:**

Returns a reference to this object so that method calls can be chained together.

**setterMethodName:** `withMember`

**getterDocumentation:**

**getterMethodName:** `getMember`

**getterModel:**

```java
String
```

**http:**

```java
null
```

**additionalMarshallingPath:** `null`

**additionalUnmarshallingPath:** `null`

**flattened:** `false`

**greedy:** `false`

**header:** `false`

**isPayload:** `false`

**isStreaming:** `false`

**location:** `false`

**marshallLocationName:** `HostId`

**queryString:** `false`

**statusCode:** `false`

**unmarshallLocationName:** `hostId`

**uri:** `false`
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>"
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "HostIds",
"setterDocumentation": "\n<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>
@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.*/",
"setterMethodName": "setHostIds",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "hostIds",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>",
    "simple": false,
    "varargSetterDocumentation": "\n<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>
@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable": {
        "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
        "variableName": "hostIds",
        "variableType": "java.util.List<String>",
        "documentation": "The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.\n",
        "simpleType": "List<String>",
        "variableSetterType": "java.util.Collection<String>",
    },
    "xmlNameSpaceUri": null
},
"MaxResults": {
    "c2jName": "MaxResults",
    "c2jShape": "Integer",
    "deprecated": false,
    "documentation": "\nThe maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/",
    "enumType": null,
    "fluentSetterDocumentation": "\nThe maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/
"
seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and
500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify
this parameter and the host IDs parameter in the same request.

@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**\n<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>

\n@returns The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/",

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**\n<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>

\n@returns The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/",

"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\* The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.\n\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null
},
"NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The token to retrieve the next page of results.\n\n@return The token to retrieve the next page of results.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/** The token to retrieve the next page of results.\n\n@param nextToken The token to retrieve the next page of results.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "The token to retrieve the next page of results.\n\n@return The token to retrieve the next page of results.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The
  token to retrieve the next page of results.*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The
  token to retrieve the next page of results.
@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The token to retrieve the next page of results.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeHostsRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeHostsRequest",
    "variableName" : "describeHostsRequest",
    "variableType" : "DescribeHostsRequest",
    "documentation" : null,
    "simpleType" : "DescribeHostsRequest",
    "variableSetterType" : "DescribeHostsRequest"
},
"wrapper" : false
},
"DescribeHostsResult" : {
    "c2jName" : "DescribeHostsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeHosts.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "Hosts",
        "c2jShape" : "HostList",
        "deprecated" : false,
        "documentation" : "<p>Information about the Dedicated Hosts.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withHosts",
        "getterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@returns Information about the Dedicated Hosts.*/",
        "getterMethodName" : "getHosts",
        "getterModel" : {
            "returnType" : "java.util.List<Host>",
            "documentation" : null
        }
    }
]
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "HostSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "hostSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Host",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member \n     * @return Returns a reference to this object so that
     * method calls can be chained together.*\*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Host",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item"}
"uri" : false
),
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Host",
  "variableName" : "member",
  "variableType" : "Host",
  "documentation" : "",
  "simpleType" : "Host",
  "variableSetterType" : "Host"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Host",
  "variableName" : "member",
  "variableType" : "Host",
  "documentation" : "",
  "simpleType" : "Host",
  "variableSetterType" : "Host"
},
"xmlNameSpaceUri" : null
",
"memberLocationName" : "item",
"memberType" : "Host",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Host",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Host>",
"templateType" : "java.util.List<Host>"
},
"map" : false,
"mapModel" : null,
"name" : "Hosts",
"setterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@param hosts Information about the Dedicated Hosts.*/"}
"setterMethodName" : "setHosts",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
  "variableName" : "hosts",
  "variableType" : "java.util.List<Host>",
  "documentation" : "",
  "simpleType" : "List<Host>",
  "variableSetterType" : "java.util.Collection<Host>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the Dedicated Hosts.<p>\n<b>NOTE:</b> This
method appends the values to the existing list (if any). Use [@link setHosts(java.util.Collection)} or [@link
withHosts(java.util.Collection)} if you want to override the existing values.<p>@param hosts Information about
the Dedicated Hosts.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
  "variableName" : "hosts",
  "variableType" : "java.util.List<Host>",
  "documentation" : "<p>Information about the Dedicated Hosts.</p>",
  "simpleType" : "List<Host>",
  "variableSetterType" : "java.util.Collection<Host>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**\n<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@<p>Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "Hosts" : {
    "c2jName" : "Hosts",
    "c2jShape" : "HostList",
    "getterDocumentation" : "@<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.*/",
  "getterMethodName" : "getHosts",
  "getterModel" : {
    "variableDeclarationType" : "List<Host">
  
  
  "variableName" : "nextToken",
  "variableType" : "List<Host>",
    "documentation" : "",
    "simpleType" : "List<Host>",
    "variableSetterType" : "List<Host>
  },
"simple" : true,
"varargGetterDocumentation" : "@<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@<p>Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "List<Host>",
  "variableName" : "nextToken",
  "variableType" : "List<Host>",
  "documentation" : "",
  "simpleType" : "List<Host>",
  "variableSetterType" : "List<Host>
},
"xmlNameSpaceUri" : null
}];
Information about the Dedicated Hosts.

@returns Returns a reference to this object so that method calls can be chained together.

**getHosts()**

@returns Information about the Dedicated Hosts.

**withHosts**

**withMember**

**withMember**

**Host**

**Host**
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Host",
  "variableName": "member",
  "variableType": "Host",
  "documentation": "",
  "simpleType": "Host",
  "variableSetterType": "Host"
},
"simple": false,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "Host",
  "variableName": "member",
  "variableType": "Host",
  "documentation": "",
  "simpleType": "Host",
  "variableSetterType": "Host"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Host",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryEmptyList" : false,
"simple" : false,
"complexType" : "Host",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Host>",
"templateType" : "java.util.List<Host>",
}
,"map" : false,
"mapModel" : null,
"name" : "Hosts",
"setterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@param hosts Information about the Dedicated Hosts.*/",
"setterMethodName" : "setHosts",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
"variableName" : "hosts",
"variableType" : "java.util.List<Host>",
"documentation" : "",
"simpleType" : "List<Host>",
"variableSetterType" : "java.util.Collection<Host>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link setHosts(java.util.Collection) } or { @link #withHosts(java.util.Collection) } if you want to override the existing values.</p>
@param hosts Information about the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
"variableName" : "hosts",
"variableType" : "java.util.List<Host>",
"documentation" : "Information about the Dedicated Hosts.",
"simpleType" : "List<Host>",
"variableSetterType" : "java.util.Collection<Host>",
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"enumType" : null,
"fluentSetterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

\n\n@returns Returns a reference to this object so that method calls can be chained together.*/
"
Returns a reference to this object so that method calls can be chained together.

    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "<p>The token to use to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p><p><code>@return</code> The token to use to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "nextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "<p>The token to use to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p><p><code>@param</code> nextToken The token to use to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : ",",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "<p>The token to use to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p><p><code>@param</code> nextToken The token to use to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.<code>@return</code> Returns a reference to this object so that method calls can be chained together.</p>\*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeHostsResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeHostsResult",
    "variableName" : "describeHostsResult",
    "variableType" : "DescribeHostsResult",
    "documentation" : null,
    "simpleType" : "DescribeHostsResult",
    "variableSetterType" : "DescribeHostsResult"
},
"wrapper" : false
},
"DescribeIamInstanceProfileAssociationsRequest" : {
    "c2jName" : "DescribeIamInstanceProfileAssociationsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeIamInstanceProfileAssociations"
    }
}
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssociationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String"}
One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

//**<p>Note:</p><b>Note:</b> This method appends the values to the existing list (if any). Use

{@link #setAssociationIds(java.util.Collection)} or

{@link #withAssociationIds(java.util.Collection)} if you want to

override the existing values.</p>

@<return

Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "associationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more IAM instance profile associations.\n@<p>\n@<return

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.

@<param associationIds

One or more IAM instance profile associations.
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> - The ID of the instance.</li> <li> <p> <code>state</code> - The state of the association (associating|associated|disassociating|disassociated).
</li>
</ul>

Returns a reference to this object so that method calls can be chained together.

"fluentSetterDocumentation" : "/**<p>One or more filters.
</li> <li> <p> <code>instance-id</code> - The ID of the instance.
</li> <li> <p> <code>state</code> - The state of the association (associating|associated|disassociating|disassociated).
</li>
</ul>

"getterDocumentation" : "/**<p>One or more filters.
</li> <li> <p> <code>instance-id</code> - The ID of the instance.
</li> <li> <p> <code>state</code> - The state of the association (associating|associated|disassociating|disassociated).
</li>
</ul>

One or more filters.

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/** @param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/** @return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/** @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/** @param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
}
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
@param filters One or more filters.

*/",
"setterMethodName" : "setFilters",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
   "variableName" : "filters",
   "variableType" : "%java.util.List<Filter>",
   "documentation" : "",
   "simpleType" : "List<Filter>",
   "variableSetterType" : "%java.util.Collection<Filter>
   
   "map" : false,

\*NOTE:\ This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values. <p>
@param filters One or more filters.

*/
"setterMethodName" : "setFilters",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
   "variableName" : "filters",
   "variableType" : "%java.util.List<Filter>",
   "documentation" : "",
   "simpleType" : "List<Filter>",
   "variableSetterType" : "%java.util.Collection<Filter>
   
   "map" : false,

\*NOTE:\ This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values. <p>
@param filters One or more filters.

*/
<code>disassociated</code> ).</li>
<li>

@return Returns a reference to this object so that method calls can be chained together.*/

  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
  @param maxResults
  The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
  @return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults"
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**\n * The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
   * @param nextToken The token to request the next page of results.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterDocumentation" : "/**\n   * The token to request the next page of results.
   * @param nextToken The token to request the next page of results.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withNextToken",
   "getterDocumentation" : "/**\n   * The token to request the next page of results.
   * @return The token to request the next page of results.
   */",
   "nameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "The token to request the next page of results.
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The token to request the next page of results.
 * @param nextToken The token to request the next page of results.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**\n * The token to request the next page of results.
 * @return The token to request the next page of results.
 */"}
request the next page of results.*/

/**
 * The token to request the next page of results.
 * @param nextToken The token to request the next page of results.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The token to request the next page of results.
 * @param nextToken The token to request the next page of results.
 */
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"AssociationIds" : {
"c2jName" : "AssociationIds",
"c2jShape" : "AssociationIdList",
"deprecated" : false,
"documentation" : "<p>One or more IAM instance profile associations.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more IAM instance profile associations.</p>
@param
associationIds One or more IAM instance profile associations.
@return Returns a reference to this object so that
method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withAssociationIds",
"getterDocumentation" : "/**<p>One or more IAM instance profile associations.</p>
@return One or more IAM instance profile associations.*\*/",
"getterMethodName" : "getAssociationIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : ",",
"enumType" : null,
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}];
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : ""}.
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "AssociationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
}
},
"map" : false,
"mapModel" : null,
"name" : "AssociationIds",
"setterDocumentation" : "/**<p>One or more IAM instance profile associations.</p>
@param associationIds
One or more IAM instance profile associations.*/",
"setterMethodName" : "setAssociationIds",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "associationIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IAM instance profile associations.*/
@param associationIds One or more IAM instance profile associations.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "associationIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more IAM instance profile associations.</p>",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"xmlNameSpaceUri" : null
},
"Filters" : {

"c2jName": "member",
"c2jShape": "Filter",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "Filter",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
 * One or more filters.
 */
@param filters One or more filters.

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use (</p>
"setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * One or more filters.
 */
@param filters One or more filters.

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use (</p>
"varargSetterMethodName" : "setFilters""}
(<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).<p>
@<li><p>
return Returns a reference to this object so that method calls can be chained together.*" ,
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;Filter&gt;",
    "variableName" : "filters",
    "variableType" : "java.util.List&lt;Filter&gt;",
    "documentation" : "&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;instance-id&lt;/code&gt; - The ID of the instance.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the association (&lt;code&gt;associating&lt;/code&gt; | &lt;code&gt;associated&lt;/code&gt; | &lt;code&gt;disassociating&lt;/code&gt; | &lt;code&gt;disassociated&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;",
    "simpleType" : "List&lt;Filter&gt;",
    "variableSetterType" : "java.util.Collection&lt;Filter&gt;"
  },
  "xmlNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;\n@\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.\n@return Returns a reference to this object so that method calls can be chained together.*" ,
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/**&lt;p&gt;The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;\n@\n@return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.*" ,
  "getMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.
*/

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : 
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.\n*/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "\n  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "deprecated" : false,
  "documentation" : "\n  "enumType" : "null",
  "fluentSetterDocumentation" : "\n  "
  "token to request the next page of results.\n  @param nextToken The token to request the next page of results.\n  @return Returns a reference to this object so that method calls can be
chained together.*"",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**\n<p>The token to request the next page of results.</p>\n@return The token to request the next page of results.*"",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "NextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "/**\n<p>The token to request the next page of results.</p>\n@param nextToken The token to request the next page of results.*"",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n<p>The token to request the next page of results.</p>\n@param nextToken The token to request the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*"",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    }
}
"variableType" : "String",
"documentation" : "<p>The token to request the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeIamInstanceProfileAssociationsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeIamInstanceProfileAssociationsRequest",
"variableName" : "describeIamInstanceProfileAssociationsRequest",
"variableType" : "DescribeIamInstanceProfileAssociationsRequest",
"documentation" : null,
"simpleType" : "DescribeIamInstanceProfileAssociationsRequest",
"variableSetterType" : "DescribeIamInstanceProfileAssociationsRequest"
},
"wrapper" : false
",
"DescribeIamInstanceProfileAssociationsResult" : {
"c2jName" : "DescribeIamInstanceProfileAssociationsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.<p/>
"enumType" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "IamInstanceProfileAssociations",
"c2jShape" : "IamInstanceProfileAssociationSet",
"deprecated" : false,
"documentation" : "<p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.<p/>
"enumType" : null,
"fluentSetterDocumentation" : "/*
** p>Information about one or more IAM instance profile associations.

@getBlock()*/
"xmlNameSpaceUri" : null,
associations.$n@return Returns a reference to this object so that method calls can be chained together.$n
"fluentSetterMethodName" : "withIamInstanceProfileAssociations$",
"getterDocumentation" : "/**\n* Information about one or more IAM instance profile
associations.$n\n@return Information about one or more IAM instance profile associations.$n*/",
"getterMethodName" : "getIamInstanceProfileAssociations",
"getterModel" : {
"returnType" : "java.util.List<IamInstanceProfileAssociation>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IamInstanceProfileAssociationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfileAssociationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "IamInstanceProfileAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* @param member \n@return Returns a reference to this object so that method calls can be chained together.$n*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n* @return $n\n*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "IamInstanceProfileAssociation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "IamInstanceProfileAssociation",
 "variableName" : "member",
 "variableType" : "IamInstanceProfileAssociation",
 "documentation" : "",
 "simpleType" : "IamInstanceProfileAssociation",
 "variableSetterType" : "IamInstanceProfileAssociation"
 },
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "IamInstanceProfileAssociation",
 "variableName" : "member",
 "variableType" : "IamInstanceProfileAssociation",
 "documentation" : "",
 "simpleType" : "IamInstanceProfileAssociation",
 "variableSetterType" : "IamInstanceProfileAssociation"
 },
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IamInstanceProfileAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IamInstanceProfileAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
"templateType" : "java.util.List<IamInstanceProfileAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfileAssociations",
"setterDocumentation" : "/**<p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.*/",
"setterMethodName" : "setIamInstanceProfileAssociations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
  "variableName" : "iamInstanceProfileAssociations",
  "variableType" : "java.util.List<IamInstanceProfileAssociation>",
  "documentation" : "",
  "simpleType" : "List<IamInstanceProfileAssociation>",
  "variableSetterType" : "java.util.Collection<IamInstanceProfileAssociation>"
  },
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
  "variableName" : "iamInstanceProfileAssociations",
  "variableType" : "java.util.List<IamInstanceProfileAssociation>",
  "documentation" : "<p>Information about one or more IAM instance profile associations.</p>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@returns a reference to this object so that method calls can be chained together.*/"}
null when there are no more results to return.

**getterMethodName**: "getNextToken",
**getterModel**: {
  "returnType": "String",
  "documentation": null
},
**http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
},
**idempotencyToken**: false,
**list**: false,
**listModel**: null,
**map**: false,
**mapModel**: null,
**name**: "NextToken",
**setterDocumentation**: "The token to use to retrieve the next page of results. This value is null when there are no more results to return."
**setterMethodName**: "setNextToken",
**setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
**simple**: true,
**varargSetterDocumentation**: "The token to use to retrieve the next page of results. This value is null when there are no more results to return."
**varargSetterMethodName**: "setNextToken"
"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
}
"membersAsMap" : {
"IamInstanceProfileAssociations" : {
"c2jName" : "IamInstanceProfileAssociations",
"c2jShape" : "IamInstanceProfileAssociationSet",
"deprecated" : false,
"documentation" : "<p>Information about one or more IAM instance profile associations.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withIamInstanceProfileAssociations",
"getterDocumentation" : "/** <p>Information about one or more IAM instance profile associations.</p>
@return Information about one or more IAM instance profile associations.

@ return Information about one or more IAM instance profile associations.
"",
"getterMethodName" : "getIamInstanceProfileAssociations",
"getterModel" : {
"returnType" : "java.util.List<com.amazonaws.services.identitymanagement.model.IamInstanceProfileAssociation>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IamInstanceProfileAssociationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfileAssociationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member"
"c2jShape" : "IamInstanceProfileAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "IamInstanceProfileAssociation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileAssociation",
  "variableName" : "member",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "IamInstanceProfileAssociation",
"variableName" : "member",
"variableType" : "IamInstanceProfileAssociation",
"documentation" : "",
"simpleType" : "IamInstanceProfileAssociation",
"variableSetterType" : "IamInstanceProfileAssociation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IamInstanceProfileAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IamInstanceProfileAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
"templateType" : "java.util.List<IamInstanceProfileAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfileAssociations",
"setterDocumentation" : "/**\n@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.*/",
"setterMethodName" : "setIamInstanceProfileAssociations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
  "variableName" : "iamInstanceProfileAssociations",
  "variableType" : "java.util.List<IamInstanceProfileAssociation>",
  "documentation" : "",
  "simpleType" : "List<IamInstanceProfileAssociation>",
  "variableSetterType" : "java.util.Collection<IamInstanceProfileAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.\n\n@NOTE: This method appends the values to the existing list (if any). Use \{@link #setIamInstanceProfileAssociations(java.util.Collection)\} or \{@link #withIamInstanceProfileAssociations(java.util.Collection)\} if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
  "variableName" : "iamInstanceProfileAssociations",
  "variableType" : "java.util.List<IamInstanceProfileAssociation>",
  "documentation" : ""}
"simpleType" : "List<IamInstanceProfileAssociation>",
"variableSetterType" : "java.util.Collection<IamInstanceProfileAssociation>"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is</p>
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is</p>
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is</p>
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false

the next page of results. This value is <code>null</code> when there are no more results to return.*/", 
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeIamInstanceProfileAssociationsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeIamInstanceProfileAssociationsResult",
  "variableName" : "describeIamInstanceProfileAssociationsResult",
  "variableType" : "DescribeIamInstanceProfileAssociationsResult",
  "documentation" : null,
  "simpleType" : "DescribeIamInstanceProfileAssociationsResult",
  "variableSetterType" : "DescribeIamInstanceProfileAssociationsResult"
},
"wrapper" : false
},
"DescribeIdFormatRequest" : {
  "c2jName" : "DescribeIdFormatRequest",
  "customization" : {
    "variable" : {
      "variableDeclarationType" : "DescribeIdFormatRequest",
      "variableName" : "describeIdFormatRequest",
      "variableType" : "DescribeIdFormatRequest",
      "documentation" : null,
      "simpleType" : "DescribeIdFormatRequest",
      "variableSetterType" : "DescribeIdFormatRequest"
    }
  }
}
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeIdFormat.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeIdFormat",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "Resource",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResource",
  "getterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@return The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
*/",
  "getterMethodName" : "getResource",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Resource",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Resource",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Resource" : {
  "c2jName" : "Resource",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> |
/**
 * The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @return Returns a reference to this object so that method calls can be chained together.*/

/**
 * The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @return The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/

/**
 * The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/

/**
 * The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/
"simple": true,
"varargSetterDocumentation": "/**<p>The type of resource: <code>instance</code> |<p>
<code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "resource",
  "variableType": "String",
  "documentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> |<p>
<code>snapshot</code> | <code>volume</code> </p",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeIdFormatRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeIdFormatRequest",
  "variableName": "describeIdFormatRequest",
  "variableType": "DescribeIdFormatRequest",
  "documentation": null,
  "simpleType": "DescribeIdFormatRequest",
  "variableSetterType": "DescribeIdFormatRequest"
},
"wrapper": false
},
"DescribeIdFormatResult": {
  "c2jName": "DescribeIdFormatResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeIdFormat.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "IdFormat",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "IdFormat",
    "variableName" : "member",
    "variableType" : "IdFormat",
    "documentation" : "",
    "simpleType" : "IdFormat",
    "variableSetterType" : "IdFormat"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that
 * method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "IdFormat",
    "variableName" : "member",
    "variableType" : "IdFormat",
    "documentation" : "",
    "simpleType" : "IdFormat",
    "variableSetterType" : "IdFormat"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "IdFormat",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IdFormat",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"templateType" : "java.util.List<IdFormat>"
},
"map" : false,
"mapModel" : null,
"name" : "Statuses",
"setterDocumentation" : "/**<p>Information about the ID format for the resource.</p>
@param statuses Information about the ID format for the resource.*/",
"setterMethodName" : "setStatuses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
  "variableName" : "statuses",
  "variableType" : "java.util.List<IdFormat>",
  "documentation" : "",
  "simpleType" : "List<IdFormat>",
  "variableSetterType" : "java.util.Collection<IdFormat>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the ID format for the resource.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setStatuses(java.util.Collection) \} or \{ @link #withStatuses(java.util.Collection) \} if you want to override the existing values.</p>
@param statuses Information about the ID format for the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
  "variableName" : "statuses",
  "variableType" : "java.util.List<IdFormat>",
  "documentation" : "<p>Information about the ID format for the resource.</p>",
  "simpleType" : "List<IdFormat>",
  "variableSetterType" : "java.util.Collection<IdFormat>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Statuses" : {
  "c2jName" : "Statuses",
  "c2jShape" : "IdFormatList",
  "deprecated" : false,
"documentation" : "<p>Information about the ID format for the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the ID format for the resource.</p>@param statuses Information about the ID format for the resource.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatuses",
"getterDocumentation" : "/**<p>Information about the ID format for the resource.</p>@return Information about the ID format for the resource.*/",
"getterMethodName" : "getStatuses",
"getterModel" : {
    "returnType" : "java.util.List<IdFormat>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "StatusSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "statusSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "IdFormat",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "IdFormat",
            "documentation" : null
        }
    }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,

"name": "Member",

"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setItem",

"setterModel": {
  "variableDeclarationType": "IdFormat",
  "variableName": "member",
  "variableType": "IdFormat",
  "documentation": "",
  "simpleType": "IdFormat",
  "variableSetterType": "IdFormat"
},

"simple": false,

"varargSetterDocumentation": "/**\n * @param member \n * @return Returns a reference to this object so that
 * method calls can be chained together. */",

"variable": {
  "variableDeclarationType": "IdFormat",
  "variableName": "member",
  "variableType": "IdFormat",
  "documentation": "",
  "simpleType": "IdFormat",
  "variableSetterType": "IdFormat"
},

"xmlNameSpaceUri": null
}

"memberLocationName": "item",
"memberType": "IdFormat",
"map": false,

"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IdFormat",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"templateType" : "java.util.List<IdFormat>"
},
"map" : false,
"mapModel" : null,
"name" : "Statuses",
"setterDocumentation" : "/**<p>Information about the ID format for the resource.</p>
@param statuses
Information about the ID format for the resource.*"",
"setterMethodName" : "setStatuses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the ID format for the resource.</p>
@param statuses
Information about the ID format for the resource.

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setStatuses(java.util.Collection)} or {@link #withStatuses(java.util.Collection)} if you want to override the existing values.</p>
@link #param statuses
Information about the ID format for the resource.
@link #return
Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "<p>Information about the ID format for the resource.</p>",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeIdFormatResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"memberAdditionalMarshallingPath" : null,
"variableDeclarationType" : "DescribeIdFormatResult",
"variableName" : "describeIdFormatResult",
"variableType" : "DescribeIdFormatResult",
"documentation" : null,
"simpleType" : "DescribeIdFormatResult",
"variableSetterType" : "DescribeIdFormatResult"
},
"wrapper" : false
},
"DescribeIdentityIdFormatRequest" : {
"c2jName" : "DescribeIdentityIdFormatRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeIdentityIdFormat.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeIdentityIdFormat",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"c2jName" : "Resource",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResource",
"getterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@returns Returns a reference to this object so that method calls can be chained together.*/
"enumType" : null,
}
"getterMethodName" : "getResource",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Resource",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "resource",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@param resource The type of resource: instance | reservation | snapshot | volume
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setResource",
"setterModel" : {
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  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@param resource The type of resource: instance | reservation | snapshot | volume
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
"}
"variableDeclarationType" : "String",
"variableName" : "principalArn",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
@param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "principalArn",
"variableType" : "String",
"documentation" : "<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"PrincipalArn" : {
"c2jName" : "PrincipalArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>",
"fluentSetterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
@param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrincipalArn",
"getterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
@return The ARN of the principal, which can be an IAM role, IAM user, or the root user.*/",
"getterMethodName" : "getPrincipalArn",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
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"fluentSetterDocumentation" : "/** <p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p> @param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
"fluentSetterMethodName" : "withResource",
"getterDocumentation" : "/** <p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p> @return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getResource",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "Resource",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "resource",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/** <p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p> @param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p> @param resources The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
<p>@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>

```
// c2jName : "DescribeIdentityIdFormatResult",
"customization" : {
  "artifactResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeIdentityIdFormat.</p>"
```

```
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  
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"c2jName" : "Statuses",
"c2jShape" : "IdFormatList",
"deprecated" : false,
"documentation" : "Information about the ID format for the resources."",
"enumType" : null,
"fluentSetterDocumentation" : "Information about the ID format for the resources."",
"deprecated" : false,
"documentation" : "Information about the ID format for the resources."",
"enumType" : null,
"fluentSetterDocumentation" : "Information about the ID format for the resources."",
"returnType" : "java.util.List<IdFormat>",
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "unmarshallLocationName" : "statusSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IdFormat",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<IdFormat>",
      "documentation" : null
    }
  }
}
"returnType" : "IdFormat",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "IdFormat",
  "documentation" : "",
  "simpleType" : "IdFormat",
  "variableSetterType" : "IdFormat"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "IdFormat",
  "documentation" : "",
  "simpleType" : "IdFormat",
  "variableSetterType" : "IdFormat"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item"
"memberType" : "IdFormat",
"map" : false,
"marshallNonAutoconstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IdFormat",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"templateType" : "java.util.List<IdFormat>"}
,
"map" : false,
"mapModel" : null,
"name" : "Statuses",
"setterDocumentation" : "<p>Information about the ID format for the resources.</p>\n@param statuses Information about the ID format for the resources.*/

.setterMethodName" : "setStatuses",
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  "variableName" : "statuses",
  "variableType" : "java.util.List<IdFormat>",
  "documentation" : "",
  "simpleType" : "List<IdFormat>",
  "variableSetterType" : "java.util.Collection<IdFormat>"
},
"simple" : false,
"varargSetterDocumentation" : "<p>Information about the ID format for the resources.</p>\n@param statuses Information about the ID format for the resources.\n\n@vararg Returns a reference to this object so that method calls can be chained together.*/

."variable" : {
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  "variableName" : "statuses",
  "variableType" : "java.util.List<IdFormat>",
  "documentation" : "<p>Information about the ID format for the resources.</p>",
  "simpleType" : "List<IdFormat>",
  "variableSetterType" : "java.util.Collection<IdFormat>"
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"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
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    "c2jShape" : "IdFormatList",
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    "documentation" : "<p>Information about the ID format for the resources.</p>",
    "enumType" : null,
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   * Information about the ID format for the resources.
   */
   
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   "getterDocumentation": "/**
   * Information about the ID format for the resources.
   */
   
   "getterMethodName": "getStatuses",
   "getterModel": {
   "returnType": "java.util.List<IdFormat>",
   "documentation": null
   },
   
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   "greedy": false,
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   "isStreaming": false,
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   "unmarshallLocationName": "statusSet",
   "uri": false
   },
   
   "idempotencyToken": false,
   
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   "implType": "com.amazonaws.internal.SdkInternalList",
   "interfaceType": "java.util.List",
   "listMemberModel": {
   "c2jName": "member",
   "c2jShape": "IdFormat",
   "deprecated": false,
   "documentation": "",
   "enumType": null,
   "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.
   */
   
   "fluentSetterMethodName": "withMember",
   
   "getterDocumentation": "/**
   * @return
   */
   
   "getterMethodName": "getMember",
   "getterModel": {
   "returnType": "IdFormat",
   "documentation": null
   },
   
   "http": {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "IdFormat",
  "documentation" : "",
  "simpleType" : "IdFormat",
  "variableSetterType" : "IdFormat"
},

"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "IdFormat",
  "documentation" : "",
  "simpleType" : "IdFormat",
  "variableSetterType" : "IdFormat"
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"xmlNameSpaceUri" : null
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"memberType" : "IdFormat",
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"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<IdFormat>",
"map" : false,
"mapModel" : null,
"name" : "Statuses",
"setterDocumentation" : "/**<p>Information about the ID format for the resources.</p>
@param statuses Information about the ID format for the resources.*/",
"setterMethodName" : "setStatuses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the ID format for the resources.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setStatuses(java.util.Collection)} or {@link #withStatuses(java.util.Collection)} if you want to override the existing values.</p>
@param statuses Information about the ID format for the resources.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "<p>Information about the ID format for the resources.</p>",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
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"xmlNameSpaceUri" : null
};
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeIdentityIdFormatResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeIdentityIdFormatResult",
"variableName" : "describeIdentityIdFormatResult"
"variableType" : "DescribeIdentityIdFormatResult",
"documentation" : null,
"simpleType" : "DescribeIdentityIdFormatResult",
"variableSetterType" : "DescribeIdentityIdFormatResult"
},
"wrapper" : false
},
"DescribeImageAttributeRequest" : {
"c2jName" : "DescribeImageAttributeRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeImageAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeImageAttribute",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/\*\*\p> The ID of the AMI.\p>\*\*/\n@returns Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/\*\p> The ID of the AMI.\p>\*/\n@returns The ID of the AMI.\*/",
"getterMethodName" : "getImageId",
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"documentation" : null
},
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ImageId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.</p>*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI.
",  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
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  "c2jName": "Attribute",
  "c2jShape": "ImageAttributeName",
  "deprecated": false,
  "documentation": "<p>The AMI attribute.</p> <p>  Note: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>",
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ImageId",
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},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
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  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI.
",  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{  
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  "c2jShape": "ImageAttributeName",
  "deprecated": false,
  "documentation": "<p>The AMI attribute.</p> <p>  Note: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>",
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ImageId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.
<p>
@param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI.
",  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{  
  "c2jName": "Attribute",
  "c2jShape": "ImageAttributeName",
  "deprecated": false,
  "documentation": "<p>The AMI attribute.</p> <p>  Note: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>",
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ImageId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.
<p>
@param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI.
",  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{  
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  "c2jShape": "ImageAttributeName",
  "deprecated": false,
  "documentation": "<p>The AMI attribute.</p> <p>  Note: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>",
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ImageId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.
<p>
@param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI.
",  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{  
  "c2jName": "Attribute",
  "c2jShape": "ImageAttributeName",
  "deprecated": false,
  "documentation": "<p>The AMI attribute.</p> <p>  Note: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>",
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ImageId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.
<p>
@param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI.
",  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"enumType": "ImageAttributeName",

"fluentSetterDocumentation": "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <code>DescribeImages</code> to get information about the block device mapping for the AMI.</p>

@<param attribute The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <code>DescribeImages</code> to get information about the block device mapping for the AMI.</param>

@<param return Returns a reference to this object so that method calls can be chained together.

@see ImageAttributeName*/",

"fluentSetterMethodName": "withAttribute",

"getterDocumentation": "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <code>DescribeImages</code> to get information about the block device mapping for the AMI.</p>

@return The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <code>DescribeImages</code> to get information about the block device mapping for the AMI.

@see ImageAttributeName*/",

"getterMethodName": "getAttribute",

"getterModel": {
   "returnType": "String",
   "documentation": null
},

"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocationName": "Attribute",
   "queryString": null,
   "statusCode": null,
   "unmarshallLocationName": "Attribute",
   "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "Attribute",

"setterDocumentation": "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <code>DescribeImages</code> to get information about the block device mapping for the AMI.</p>

@param attribute The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <code>DescribeImages</code> to get information about the block device mapping for the AMI.

@see ImageAttributeName*/",

"setterMethodName": "setAttribute",

"setterModel":{
   "returnType": "String",
   "documentation": null
}
ImageAttributeName*/", "setterMethodName" : "setAttribute", "setterModel" : {
  "variableDeclarationType" : "String", "variableName" : "attribute", "variableType" : "String", "documentation" : "/\n", "simpleType" : "String", "variableSetterType" : "String" }, "simple" : true, "varargSetterDocumentation" : "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>
@param attribute The AMI attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageAttributeName*/", "variable" : {
  "variableDeclarationType" : "String", "variableName" : "attribute", "variableType" : "String", "documentation" : "/\n", "simpleType" : "String", "variableSetterType" : "String" }, "xmlNameSpaceUri" : null }, "membersAsMap" : {
  "Attribute" : {
    "c2jName" : "Attribute", "c2jShape" : "ImageAttributeName", "deprecated" : false, "documentation" : "/\n", "enumType" : "ImageAttributeName", "fluentSetterDocumentation" : "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>
@param attribute The AMI attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageAttributeName*/", "fluentSetterMethodName" : "withAttribute", "getterDocumentation" : "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageAttributeName*/"}, "getterMethodName" : "getAttribute", "getterModel" : {
  "variableDeclarationType" : "String", "variableName" : "attribute", "variableType" : "String", "documentation" : "/\n", "simpleType" : "String", "variableSetterType" : "String" }
} /\n" ImageAttributeName*/", "setterMethodName" : "setAttribute", "setterModel" : {
  "variableDeclarationType" : "String", "variableName" : "attribute", "variableType" : "String", "documentation" : "/\n", "simpleType" : "String", "variableSetterType" : "String" }, "simple" : true, "varargSetterDocumentation" : "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageAttributeName*/", "variable" : {
  "variableDeclarationType" : "String", "variableName" : "attribute", "variableType" : "String", "documentation" : "/\n", "simpleType" : "String", "variableSetterType" : "String" }, "xmlNameSpaceUri" : null }, "membersAsMap" : {
  "Attribute" : {
    "c2jName" : "Attribute", "c2jShape" : "ImageAttributeName", "deprecated" : false, "documentation" : "/\n", "enumType" : "ImageAttributeName", "fluentSetterDocumentation" : "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>
@param attribute The AMI attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageAttributeName*/", "fluentSetterMethodName" : "withAttribute", "getterDocumentation" : "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageAttributeName*/"}, "getterMethodName" : "getAttribute", "getterModel" : {
  "variableDeclarationType" : "String", "variableName" : "attribute", "variableType" : "String", "documentation" : "/\n", "simpleType" : "String", "variableSetterType" : "String" }
}
privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI. 

@see 

ImageAttributeName*/", 
"getterMethodName" : "getAttribute", 
"getterModel" : { 
 "returnType" : "String", 
 "documentation" : null 
 }, 
"http" : { 
 "additionalMarshallingPath" : null, 
 "additionalUnmarshallingPath" : null, 
 "flattened" : false, 
 "greedy" : false, 
 "header" : false, 
 "isPayload" : false, 
 "isStreaming": false, 
 "location" : null, 
 "marshallLocationName" : "Attribute", 
 "queryString" : false, 
 "statusCode" : false, 
 "unmarshallLocationName" : "Attribute", 
 "uri" : false 
 }, 
"idempotencyToken" : false, 
"list" : false, 
"listModel" : null, 
"map" : false, 
"mapModel" : null, 
"name" : "Attribute", 
"setterDocumentation" : "/**<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>

@see ImageAttributeName*/", 
"setterMethodName" : "setAttribute", 
"setterModel" : { 
 "variableDeclarationType" : "String", 
 "variableName" : "attribute", 
 "variableType" : "String", 
 "documentation" : "", 
 "simpleType" : "String", 
 "variableSetterType" : "String" 
 },
"simple" : true,

"varargSetterDocumentation" : "/**<p>The AMI attribute.</p> <p>Note</p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AML.</p></b>\n@param attribute The AMI attribute.</p> <p>Note</p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AML.</p><b>@return</b> Returns a reference to this object so that method calls can be chained together.

@see ImageAttributeName*/",

"variable" : {

"variableDeclarationType" : "String",

"variableName" : "attribute",

"variableType" : "String",

"documentation" : "<p>The AMI attribute.</p> <p>Note</p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AML.

"simpleType" : "String",

"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"ImageId" : {

"c2jName" : "ImageId",

"c2jShape" : "String",

"deprecated" : false,

"documentation" : "<p>The ID of the AML.</p> \n@return Returns a reference to this object so that method calls can be chained together.

"simpleType" : "String",

"variableSetterType" : "String"
},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "ImageId",

"queryString" : false,

"statusCode" : false,

"simple" : true,
"unmarshallLocationName": "ImageId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "<p>The ID of the AMI.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["ImageId", "Attribute"],
"shapeName": "DescribeImageAttributeRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeImageAttributeRequest",
  "variableName": "describeImageAttributeRequest",
  "variableType": "DescribeImageAttributeRequest",
  "documentation": null,
  "simpleType": "DescribeImageAttributeRequest",
  "variableSetterType": "DescribeImageAttributeRequest"
},
"wrapper": false
},
"DescribeImageAttributeResult" : {
  "c2jName" : "DescribeImageAttributeResult",
  "customization" : {
    "artificialResultWrapper" : {
      "wrappedMemberName" : "ImageAttribute",
      "wrappedMemberSimpleType" : "ImageAttribute"
    },
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the ImageAttribute object that was sent over the wire.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    { "c2jName" : "ImageAttribute",
      "c2jShape" : "ImageAttribute",
      "deprecated" : false,
      "documentation" : "<p>Describes an image attribute.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Describes an image attribute.</p>
      @param imageAttribute Describes an image attribute.
      @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withImageAttribute",
      "getterDocumentation" : "/**<p>Describes an image attribute.</p>
      @return Describes an image attribute.</p>
      @return  
      @return rises a reference to this object so that method calls can be chained together.*/",
      "getMethodName" : "getImageAttribute",
      "getterModel" : {
        "returnType" : "ImageAttribute",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ImageAttribute",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ImageAttribute",
  },
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageAttribute",
"setterDocumentation" : "/**<p>Describes an image attribute.</p>
@param imageAttribute Describes an image attribute.*/",
"setterMethodName" : "setImageAttribute",
"setterModel" : {
  "variableDeclarationType" : "ImageAttribute",
  "variableName" : "imageAttribute",
  "variableType" : "ImageAttribute",
  "documentation" : "",
  "simpleType" : "ImageAttribute",
  "variableSetterType" : "ImageAttribute"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Describes an image attribute.</p>
@param imageAttribute Describes an image attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ImageAttribute",
  "variableName" : "imageAttribute",
  "variableType" : "ImageAttribute",
  "documentation" : "<p>Describes an image attribute.</p>
  "simpleType" : "ImageAttribute",
  "variableSetterType" : "ImageAttribute"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "ImageAttribute" : {
    "c2jName" : "ImageAttribute",
    "c2jShape" : "ImageAttribute",
    "deprecated" : false,
    "documentation" : "<p>Describes an image attribute.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Describes an image attribute.</p>
    @param imageAttribute Describes an image attribute.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withImageAttribute",
    "getterDocumentation" : "/**<p>Describes an image attribute.</p>
    @return Describes an image attribute.*/",
    "getMethodName" : "getImageAttribute",
    "getModel" : {
      "returnType" : "ImageAttribute",
      "documentation" : null
    }
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flat" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImageAttribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ImageAttribute",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageAttribute",
"setterDocumentation" : "/**\n* Describes an image attribute.\n* @param imageAttribute Describes an image attribute.\n*/",
"setterMethodName" : "setImageAttribute",
"setterModel" : {
  "variableDeclarationType" : "ImageAttribute",
  "variableName" : "imageAttribute",
  "variableType" : "ImageAttribute",
  "documentation" : "",
  "simpleType" : "ImageAttribute",
  "variableSetterType" : "ImageAttribute"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* Describes an image attribute.\n* @param imageAttribute Describes an image attribute.\n* @return Returns a reference to this object so that method calls can be chained together.\n*/",
"variable" : {
  "variableDeclarationType" : "ImageAttribute",
  "variableName" : "imageAttribute",
  "variableType" : "ImageAttribute",
  "documentation" : "<p>Describes an image attribute.</p>",
  "simpleType" : "ImageAttribute",
  "variableSetterType" : "ImageAttribute"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeImageAttributeResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeImageAttributeResult",
    "variableName" : "describeImageAttributeResult",
    "variableType" : "DescribeImageAttributeResult",
    "documentation" : null,
    "simpleType" : "DescribeImageAttributeResult",
    "variableSetterType" : "DescribeImageAttributeResult"
},
"wrapper" : false
},
"DescribeImagesRequest" : {
    "c2jName" : "DescribeImagesRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeImages.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeImages",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        "c2jName" : "ImageIds",
        "c2jShape" : "ImageIdStringList",
        "deprecated" : false,
        "documentation" : "<p>One or more image IDs.</p> Default: Describes all images available to you.
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>One or more image IDs.</p> Default: Describes all images available to you.</p>@param imageIds One or more image IDs.</p> Default: Describes all images available to you."
    ]
}
you.

    @return Returns a reference to this object so that method calls can be chained together.*$*/
    
    "fluentSetterMethodName" : "withImageIds",
    "getterDocumentation" : "/**
     * One or more image IDs.
     * Default: Describes all images available to you.
     */
    "getterMethodName" : "getImageIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ImageId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ImageId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : 
            """,
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n             * @param member
             * @return Returns a reference to this object so that method calls can be chained together.*$*/
             
             "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n             * @return */
             
             "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
            },
        }
    }
}
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ImageId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
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"memberLocationName": "ImageId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
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"map": false,
"mapModel": null,
"name": "ImageIds",
"setterDocumentation": "/**<p>One or more image IDs.</p> <p>Default: Describes all images available to
you.</p><p>@param imageIds One or more image IDs.</p> <p>Default: Describes all images available to you.*/",
"setterMethodName": "setImageIds",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "imageIds",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more image IDs.</p> <p>Default: Describes all images
available to you.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
setImageIds(java.util.Collection)} or {@link withImageIds(java.util.Collection)} if you want to override the
existing values.</p><p>@param imageIds One or more image IDs.</p> <p>Default: Describes all images available to
you.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "imageIds",
    "variableType": "java.util.List<String>",
    "documentation": "One or more image IDs.
 Default: Describes all images available to you.
",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "Owners",
"c2jShape": "OwnerStringList",
"deprecated": false,
"documentation": "<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code>
(owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch
permissions, regardless of ownership.</p">",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code>
(owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch
permissions, regardless of ownership.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"owner": {
    "ownerType": "OwnerStringList",
    "documentation": "<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner
is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch
permissions, regardless of ownership.</p>
"
Omitting this option returns all images for which you have launch permissions, regardless of ownership.

@returns Returns a reference to this object so that method calls can be chained together.

/**
 * Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.

@returns Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.

@returns Returns a reference to this object so that method calls can be chained together.

/**
 * @param member
 * @returns Returns a reference to this object so that method calls can be chained together.

@returns Returns a reference to this object so that method calls can be chained together.
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Owners",
"setterDocumentation": "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.\n@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.*/",
"setterMethodName": "setOwners",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "owners",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setOwners(java.util.Collection)] or [@link #withOwners(java.util.Collection)] if you want to override the existing values.\n@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "owners",
  "variableType": "java.util.List<String>",
  "documentation": "<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.\n@return Returns a reference to this object so that method calls can be chained together.*/"}
(owner is the sender of the request), or an AWS owner alias (valid values are `<code>amazon</code> | `<code>aws-marketplace</code> | `<code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.

```
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null,
"c2jName" : "ExecutableUsers",
"c2jShape" : "ExecutableByStringList",
"deprecated" : false,
"documentation" : "<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, `<code>self</code>` (the sender of the request), or `<code>all</code>` (public AMIs). </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, `<code>self</code>` (the sender of the request), or `<code>all</code>` (public AMIs).<p>@param executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, `<code>self</code>` (the sender of the request), or `<code>all</code>` (public AMIs).

@returns a reference to this object so that method calls can be chained together. */",
"getterDocumentation" : "/**<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, `<code>self</code>` (the sender of the request), or `<code>all</code>` (public AMIs).<p>

@returns Scopes the images by users with explicit launch permissions. Specify an AWS account ID, `<code>self</code>` (the sender of the request), or `<code>all</code>` (public AMIs). */",
"getterMethodName" : "getExecutableUsers",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ExecutableBy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ExecutableBy",
  "uri" : false,
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
"}`
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ExecutableBy",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ExecutableBy",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}, "xmlNameSpaceUri" : null },
"memberLocationName" : "ExecutableBy",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ExecutableUsers",
"setterDocumentation" : "/**<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).<br/>
@param executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).*/

setterMethodName" : "setExecutableUsers",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "executableUsers",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).<br/>

Note:
This method appends the values to the existing list (if any). Use { @link #setExecutableUsers(java.util.Collection) } or { @link #withExecutableUsers(java.util.Collection) } if you want to override the existing values.<br/>
@param executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).\n@return Returns a reference to this object so that method calls can be chained together.*/",","
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "executableUsers",
  "variableType": "java.util.List<String>",
  "documentation": "<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs). </p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null,
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters. </p> <ul> 
  <li> <p> <code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>). </p> </li> 
  <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination. </p> </li> 
  <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>). </p> </li> 
  <li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume. </p> </li> 
  <li> <p> <code>description</code> - The description of the image (provided during image creation). </p> </li> 
  <li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled. </p> </li> 
  <li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>). </p> </li> 
  <li> <p> <code>image-id</code> - The ID of the image. </p> </li> 
  <li> <p> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). </p> </li> 
  <li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public. </p> </li> 
  <li> <p> <code>kernel-id</code> - The kernel ID. </p> </li> 
  <li> <p> <code>manifest-location</code> - The location of the image manifest. </p> </li> 
  <li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p> </li> 
  <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>windows</code>. </p> </li> 
  <li> <p> <code>product-code</code> - The product code. </p> </li> 
  <li> <p> <code>ramdisk-id</code> - The RAM disk ID. </p> </li> 
  <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>). </p> </li> 
  <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). </p> </li> 
  <li> <p> <code>state-reason-code</code> - The reason code for the state change. </p> </li> 
  <li> <p> <code>state-reason-message</code> - The message for the state change. </p> </li> 
  <li> <p> <code>tag</code>:<i>key</i>='<i>value</i>' - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> 
</ul>
For example, if you use both the filter `"tag:tag-value=Purpose"` and the filter `"tag:tag-value=X"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the

```xml
tag-value=Purpose</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag:tag-key</code>` filter. For example, if you use both the filter `"tag-key=tag-kev=Y"` and the filter `"tag:tag-value=tag-value"`, you get any resources assigned both the tag key `tag-key` (regardless of what the tag's value is), and the tag value `tag-value` (regardless of what the tag's key is). If you want to list only resources where `tag-key` is `Y`, see the
```xml
tag-key=tag-value</code> - The key of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `tag-key=tag-key=X`, specify `<code>tag:tag-key</code>` for the filter name and `<code>X</code>` for the filter value. For example, if you use both the filter `"tag-key=tag-key=Y"` and the filter `"tag:tag-value=tag-value"`, you get any resources assigned both the tag key `tag-key` (regardless of what the tag's value is), and the tag value `tag-value` (regardless of what the tag's key is). If you want to list only resources where `tag-key` is `Y`, see the
```xml
tag-key=tag-value</code> - The key of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `tag-key=tag-key=X`, specify `<code>tag:tag-key</code>` for the filter name and `<code>X</code>` for the filter value. For example, if you use both the filter `"tag-key=tag-key=Y"` and the filter `"tag:tag-value=tag-value"`, you get any resources assigned both the tag key `tag-key` (regardless of what the tag's value is), and the tag value `tag-value` (regardless of what the tag's key is). If you want to list only resources where `tag-key` is `Y`, see the
```
"tag-key" : null,
"tag-value" : null,
"tag-key" : null,
"tag-value" : null,
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"tag-value" : null,
"tag-key" : null,
"tag-value" : null,
"tag-key" : null,
"tag-value" : null,
<li> <p> <code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>). </p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination. </p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>). </p> </li> <li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB. </p> </li> <li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>sc1</code> | <code>standard</code>). </p> </li> <li> <p> <code>description</code> - The description of the image (provided during image creation). </p> </li> <li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled. </p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>). </p> </li> <li> <p> <code>image-id</code> - The ID of the image. </p> </li> <li> <p> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). </p> </li> <li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public. </p> </li> <li> <p> <code>kernel-id</code> - The kernel ID. </p> </li> <li> <p> <code>manifest-location</code> - The location of the image manifest. </p> </li> <li> <p> <code>name</code> - The name of the AMI (provided during image creation). </p> </li> <li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p> </li> <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>windows</code>. </p> </li> <li> <p> <code>product-code</code> - The product code. </p> </li> <li> <p> <code>product-code.type</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>). </p> </li> <li> <p> <code>ramdisk-id</code> - The RAM disk ID. </p> </li> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>). </p> </li> <li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>). </p> </li> <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). </p> </li> <li> <p> <code>tag:key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:evaluates</code> filter. </p> </li> <li> <p> <code>tag:prefix</code> - The key prefix of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-prefix=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:prefix</code> filter. </p> </li> <li> <p> <code>tag:</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tags:X</code> for the filter value. </p> </li> <li> <p> <code>tag:evaluates</code> - The evaluation function for the tag filter. This function determines whether the tag is present in the filter name. For example, if you want to list resources that have the tag Purpose=X, you can use the filter <code>tag:evaluates</code> with the value "Present". If you want to list resources that do not have the tag Purpose, you can use the filter <code>tag:evaluates</code> with the value "Missing". </p> </li> <li> <p> <code>tag:prefix</code> - The key prefix of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-prefix=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:prefix</code> filter. </p> </li> <li> <p> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tags:X</code> for the filter value. </p> </li> <li> <p> <code>tag:<i>key</i></code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. 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For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>value</i></code> filter. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tags:X</code> for the filter value. </p> </li> <li> <p> <code>tag:<i>key</i></code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i></code> filter. </p> </li> <li> <p> <code>tag:<i>value</i></code> - The value of a tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>value</i></code> filter. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. 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For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>value</i></code> filter. </p> </li>
<code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.

<code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). 

<code>description</code> - The description of the image (provided during image creation).

<code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.

<code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).

<code>image-id</code> - The ID of the image.

<code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).

<code>is-public</code> - A Boolean that indicates whether the image is public.

<code>kernel-id</code> - The kernel ID.

<code>manifest-location</code> - The location of the image manifest.

<code>name</code> - The name of the AMI (provided during image creation).

<code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>microsoft</code>). 

<code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform</code>.

<code>product-code</code> - The product code.

<code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>). 

<code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>). 

<code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). 

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tagPurpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the
is-public - A Boolean that indicates whether the image is public.

kernel-id - The kernel ID.

manifest-location - The location of the image manifest.

name - The name of the AMI (provided during image creation).

owner-alias - String value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

owner-id - The AWS account ID of the image owner.

platform - The platform. To only list Windows-based AMIs, use windows.

product-code - The product code.

product-code.type - The type of the product code (devpay | marketplace).

ramdisk-id - The RAM disk ID.

root-device-name - The name of the root device volume (for example, /dev/sda1).

root-device-type - The type of the root device volume (ebs | instance-store).

state - The state of the image (available | pending | failed).

state-reason-code - The reason code for the state change.

state-reason-message - The message for the state change.

tag: <key>=<value> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose= Noel, specify tag:Purpose for the filter name and Purpose=X for the filter value. If you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.

tag-key - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.

tag-value - The value of a tag assigned to the resource. This filter is independent of the tag-key filter. If you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.

virtualization-type - The virtualization type (paravirtual | hvm).
"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Filter",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Filter",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**
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     * @return */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "Filter",
      "variableName": "member",
      "variableType": "Filter",
      "documentation": "",
      "simpleType": "Filter",
    }
  }
}

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 4780
"variableSetterType" : "Filter",
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> 
<ul>
<li>
<p> <code>architecture</code> - The image architecture (</li>
</ul>
<code>marketplace</code>)</p> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>)</p> <li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code>)</p> </li> <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>)</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "<code>tag-key=Purpose</code>" and the filter "<code>tag-value=X</code>", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>)</p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>)</p> </li> <li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> </li> <li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> </li> <li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>)</p> </li> <li> <p> <code>description</code> - The description of the image (provided during image creation).</p> </li> <li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code>)</p> </li> <li> <p> <code>image-id</code> - The ID of the image.</p> </li> <li> <p> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>)</p> </li> <li> <p> <code>instance-destination</code> - The destination of the image.</p> </li> <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform=windows</code>.</p> </li> <li> <p> <code>product-code</code> - The product code.</p> </li> <li> <p> <code>product-code.type</code> - The type of the product code (<code>devpay</code>)</p> </li> <li> <p> <code>product-configuration</code> - The product configuration.</p> </li> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>)</p> </li> <li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code>)</p> </li> <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>)</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "<code>tag-key=Purpose</code>" and the filter "<code>tag-value=X</code>", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>)</p> </li> <li> <p> <code>description</code> - The description of the image (provided during image creation).</p> </li> <li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>)</p> </li> <li> <p> <code>image-id</code> - The ID of the image.</p> </li> <li> <p> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>)</p> </li> <li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public.</p> </li> <li> <p> <code>kernel-id</code> - The kernel ID.</p> </li> <li> <p> <code>manifest-location</code> - The location of the image manifest.</p> </li> <li> <p> <code>name</code> - The name of the AMI (provided during image creation).</p> </li> <li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (</p> <li> <p> <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the image owner.</p> </li> <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform=windows</code>.</p> </li> <li> <p> <code>product-code</code> - The product code.</p> </li> <li> <p> <code>product-code.type</code> - The type of the product code (<code>devpay</code>)</p> </li> <li> <p> <code>product-configuration</code> - The product configuration.</p> </li> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>)</p> </li> <li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code>)</p> </li> <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>)</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li>
specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag’s value is), and the tag value `X` (regardless of what the tag’s key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag’s value is), and the tag value `X` (regardless of what the tag’s key is).

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

- `<code>virtualization-type</code>` - The virtualization type (`<code>paravirtual</code>` | `<code>hvm</code>`). 

```python
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
}

"xmlNameSpaceUri" : null
]

"membersAsMap" : {
  "ExecutableUsers" : {
    "c2jName" : "ExecutableUsers",
    "c2jShape" : "ExecutableByStringList",
    "deprecated" : false,
    "documentation" : "Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs)."
  }
}

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ExecutableBy",
  "queryString" : false,
  "uri" : "",
  "uriPath" : "",
  "uriTemplate" : "",
  "uriVariable" : ""
}

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
}

"xmlNameSpaceUri" : null
]}}

"membersAsMap" : {
  "ExecutableUsers" : {
    "c2jName" : "ExecutableUsers",
    "c2jShape" : "ExecutableByStringList",
    "deprecated" : false,
    "documentation" : "Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs)."
  }
}

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ExecutableBy",
  "queryString" : false,
  "uri" : "",
  "uriPath" : "",
  "uriTemplate" : "",
  "uriVariable" : ""
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ExecutableBy",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ExecutableUsers",
"setterDocumentation" : "/**<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, \<code>self</code> (the sender of the request), or \<code>all</code> (public AMIs).\</p><p>@param executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, \<code>self</code> (the sender of the request), or \<code>all</code> (public AMIs).*/",
"setterMethodName" : "setExecutableUsers",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "executableUsers",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
},
**NOTE:** This method appends the values to the existing list (if any). Use @link #setExecutableUsers(java.util.Collection) or @link #withExecutableUsers(java.util.Collection) if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*"*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "executableUsers",
"variableType" : "java.util.List<String>",
"documentation" : "Scopes the images by users with explicit launch permissions. Specify an AWS account ID, (the sender of the request), or (public AMIs).";

"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"documentation" : "One or more filters.

- **architecture** - The image architecture (I386 | x86_64).
- **block-device-mapping.delete-on-termination** - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.
- **block-device-mapping.device-name** - The device name for the EBS volume (for example, /dev/sdh).
- **block-device-mapping.snapshot-id** - The ID of the snapshot used for the EBS volume.
- **block-device-mapping.volume-size** - The volume size of the EBS volume, in GiB.
- **block-device-mapping.volume-type** - The volume type of the EBS volume (gp2 | io1 | sc1 | standard).
- **description** - The description of the image (provided during image creation).
- **ena-support** - A Boolean that indicates whether enhanced networking with ENA is enabled.
- **hypervisor** - The hypervisor type (ovm | xen).
- **image-id** - The ID of the image.
- **image-type** - The image type (machine | kernel | ramdisk).
- **is-public** - A Boolean that indicates whether the image is public.
- **kernel-id** - The kernel ID.
- **manifest-location** - The location of the image manifest.
- **owner-alias** - String value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
- **platform** - The platform. To only list Windows-based AMIs, use "windows".
- **product-code** - The product code.
- **product-code.type** - The type of the product code (devpay | marketplace).
- **root-device-name** - The name of the root device volume (for example,
"enumType": null,
"fluentSetterDocumentation": "One or more filters.

- **architecture** - The image architecture (<code>i386</code> | <code>x86_64</code>).</p> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</p> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>).</p> <li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> <li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> <li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>).</p> <li> <p> <code>description</code> - The description of the image (provided during image creation).</p> <li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> <li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).</p> <li> <p> <code>image-id</code> - The kernel ID.</p> <li> <p> <code>manifest-location</code> - The location of the image manifest.</p> <li> <p> <code>name</code> - The name of the AMI (provided during image creation).</p> <li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> <li> <p> <code>owner-id</code> - The AWS account ID of the image owner.</p> <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>windows</code>.

the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `\"tag-key\"=Purpose\"` and the filter `\"tag-value\"=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p> <li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>).</p> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</p> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, `<code>/dev/sdh</code>`).</p> <li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> <li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> <li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> <li> <p> <code>description</code> - The description of the image (provided during image creation).</p> <li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> <li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).</p> <li> <p> <code>image-id</code> - The ID of the image.</p> <li> <p> <code>image-name</code> - The name of the AMI (provided during image creation).</p> <li> <p> <code>image-architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>).</p> <li> <p> <code>image-blob</code> - A AWS-managed blob for an image.</p> <li> <p> <code>image-manifest-location</code> - The location of the image manifest.</p> <li> <p> <code>image-owners</code> - A list of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> <li> <p> <code>image-owners-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> <li> <p> <code>image-project</code> - The AWS account ID of the image owner.</p> <li> <p> <code>image-project-id</code> - The AWS account ID of the image owner.</p> <li> <p> <code>image-state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). </p> <li> <p> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).</p> <li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public.</p> <li> <p> <code>kernel-id</code> - The kernel ID.</p> <li> <p> <code>manifest-location</code> - The location of the image manifest.</p> <li> <p> <code>name</code> - The name of the AMI (provided during image creation).</p> <li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> <li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use `<code>windows</code>`.</p> <li> <p> <code>product-code</code> - The product code.</p> <li> <p> <code>product-code.type</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>).</p> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, `<code>/dev/sda1</code>`).</p> <li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).</p> <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). </p> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> <li> <p> <code>state-reason-message</code> - The message for the state change.</p> <li> <p> <code>tag-key</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `\"tag-key\"=Purpose\"` and the filter `\"tag-value\"=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\@param member
\@return Returns a reference to this object so that
method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
<code>description</code> - The description of the image (provided during image creation).

<code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.

<code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).  

<code>image-id</code> - The ID of the image.

<code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).  

<code>is-public</code> - A Boolean that indicates whether the image is public.

<code>kernel-id</code> - The kernel ID.

<code>manifest-location</code> - The location of the image manifest.

<code>name</code> - The name of the AMI (provided during image creation).

<code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

<code>platform</code> - The platform. To only list Windows-based AMIs, use <code>code</code>:<code>code</code>:<code>windows</code>.

<code>product-code</code> - The product code.

<code>ramdisk-id</code> - The RAM disk ID.

<code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).  

<code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).  

<code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>).  

<code>state-reason-code</code> - The reason code for the state change.

<code>state-reason-message</code> - The message for the state change.

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter ""tag-key=Purpose"" and the filter ""tag-value=X"", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

<code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>).  

<code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.

<code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>).  

<code>block-device-mapping.size</code> - The size of the EBS volume, in GiB.

<code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.

<code>block-device-mapping.size</code> - The size of the EBS volume, in GiB.

<code>description</code> - The description of the image (provided during image creation).

<code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.

<code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).  

<code>image-id</code> - The ID of the image.

<code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).  

<code>is-public</code> - A Boolean that indicates whether the image is public.

<code>kernel-id</code> - The kernel ID.

<code>manifest-location</code> - The location of the image manifest.

<code>name</code> - The name of the AMI (provided during image creation).
<li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the image owner.</p> </li> <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform=xen</code>.</p> </li> <li> <p> <code>product-code</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>). The RAM disk ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>的目的</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose=X</code> filter.</p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>). The image architecture (<code>i386</code> | <code>x86_64</code>). The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). The product code.</p> </li>
<code>is-public</code> - A Boolean that indicates whether the image is public.

<code>kernel-id</code> - The kernel ID.

<code>manifest-location</code> - The location of the image manifest.

<code>name</code> - The name of the AMI (provided during image creation).

<code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code> | <code>devpay</code> | <code>marketplace</code>). Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

<code>owner-id</code> - The AWS account ID of the image owner.

<code>platform</code> - The platform. To only list Windows-based AMIs, use <code>windows</code>.

<code>product-code</code> - The product code.

<code>product-code.type</code> - The type of the product code (<code>devpay</code> | <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code> | <code>marketplace</code>). Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

<code>ramdisk-id</code> - The RAM disk ID.

<code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).

<code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>). Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

<code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

<code>tag:Purpose</code> - The tag key for the purpose of the image. The tag value is Boolean. For example, if you use only the tag \"Purpose\" to mark the image as a Windows image, the tag value is \"Windows\".

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key\"=\"Purpose\" and the filter \"tag-value\"=\"Windows\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Windows (regardless of what the tag's key is).

If you want to list only resources where Purpose is Windows, use the filter \"tag:Purpose\"=\"Windows\".

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>). The virtualization type is specified as a Boolean. For example, if you use both the filter \"virtualization-type\"=\"paravirtual\" and the filter \"virtualization-type\"=\"hvm\", you get any resources that support either paravirtual or hvm virtualization.

<code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.

<code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>). The hypervisor type is specified as a Boolean. For example, if you use both the filter \"hypervisor\"=\"ovm\" and the filter \"hypervisor\"=\"xen\", you get any resources that support either ovm or xen hypervisor.

<code>image-id</code> - The ID of the image.

<code>image-type</code> - The type of the image (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). The image type is specified as a Boolean. For example, if you use both the filter \"image-type\"=\"machine\" and the filter \"image-type\"=\"kernel\", you get any resources that support either machine or kernel type.

<code>is-public</code> - A Boolean that indicates whether the image is public.

<code>kernel-id</code> - The kernel ID.

<code>manifest-location</code> - The location of the image manifest.

<code>name</code> - The name of the AMI (provided during image creation).

<code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code> | <code>devpay</code> | <code>marketplace</code>). Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
<code>marketplace</code>.)</p> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>root-device-type</code> - The type of the root device volume (for example, <code>ebs</code> | <code>instance-store</code>). </p> </li> <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). </p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>state-reason-message</code> - The message for the state change.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (Regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>). </p> </li> </ul>
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": ":",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": ":",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"memberLocationName": "ImageId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
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"map": false,
"mapModel": null,
"name": "ImageIds",
"setterDocumentation": "/**<p>One or more image IDs.</p> <p>Default: Describes all images available to you.</p> <p>One or more image IDs.</p> <p>Default: Describes all images available to you.</p> */",
"setterMethodName": "setImageIds",
"setterModel": {
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  "variableName": "imageIds",
  "variableType": "java.util.List<String>",
  "documentation": ":",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
"simple" : false,
"varargSetterDocumentation" : "One or more image IDs. Default: Describes all images available to you. This method appends the values to the existing list (if any). Use {link #setImageIds(java.util.Collection)} or {link #withImageIds(java.util.Collection)} if you want to override the existing values. Returns a reference to this object so that method calls can be chained together."",
"variable" : {
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"variableType" : "java.util.List<String>",
"documentation" : "One or more image IDs. Default: Describes all images available to you. Returns a reference to this object so that method calls can be chained together."",
"xmlNameSpaceUri" : null
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"Owners" : {
"c2jName" : "Owners",
"c2jShape" : "OwnerStringList",
"deprecated" : false,
"documentation" : "Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership. Returns a reference to this object so that method calls can be chained together."",
"enumType" : null,
"fluentSetterDocumentation" : "Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership. Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "withOwners",
"getterDocumentation" : "Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership. Returns a reference to this object so that method calls can be chained together."",
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"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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  "statusCode": false,
  "unmarshallLocationName": "Owner",
  "uri": false
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"idempotencyToken": false,
"list": true,
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  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* @param member \n* @return Returns a reference to this object so that
* method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n* @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
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      "queryString": false,
      "statusCode": false,
      "uri": false
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"unmarshallLocationName": "Owner",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"memberLocationName": "Owner",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Owners",
"setterDocumentation": "/**\nFilters the images by the owner. Specify an AWS account ID,
<code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership. <p><b>Note:</b> This method appends the values to the existing list (if any). Use [@link #setOwners(java.util.Collection)] or [@link #withOwners(java.util.Collection)] if you want to override the existing values. <p>@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership. <p>@return Returns a reference to this object so that method calls can be chained together. */

"setterMethodName" : "setOwners",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "owners",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "owners",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeImagesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "com.amazonaws.services.ec2.model.DescribeImagesRequest"}
"variableDeclarationType" : "DescribeImagesRequest",
"variableName" : "describeImagesRequest",
"variableType" : "DescribeImagesRequest",
"documentation" : null,
"simpleType" : "DescribeImagesRequest",
"variableSetterType" : "DescribeImagesRequest"
},
"wrapper" : false
},
"DescribeImagesResult" : {
"c2jName" : "DescribeImagesResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeImages.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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   "c2jShape" : "ImageList",
   "deprecated" : false,
   "documentation" : "<p>Information about one or more images.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>Information about one or more images.</p>\n@param images
Information about one or more images.\n@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withImages",
   "getterDocumentation" : "/**<p>Information about one or more images.</p>\n@return Information about one or more images.*/",
   "getterMethodName" : "getImages",
   "getterModel" : {
      "returnType" : "java.util.List<Image>",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
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"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "imagesSet",
"uri": false
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"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Image",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@returns Returns a reference to this object so that method calls can be chained together.*\n",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "Image",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
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"list": false,
"listModel": null,
"map" : false,
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@param member */",
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"setterModel" : {
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  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "Image",
  "variableSetterType" : "Image"
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"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Image",
  "documentation" : "",
  "simpleType" : "Image",
  "variableSetterType" : "Image"
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"memberLocationName" : "item",
"memberType" : "Image",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Image",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Image>",
"templateType" : "java.util.List<Image>"
},
"map" : false,
"mapModel" : null,
"name" : "Images",
"setterDocumentation" : "/**\n@param images Information about one or more images.*/",
"setterMethodName" : "setImages",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Image>",
  "variableName" : "images",
  "variableType" : "java.util.List<Image>"
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"documentation": "",
"simpleType": "List<Image>",
"variableSetterType": "java.util.Collection<Image>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more images.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setImages(java.util.Collection)] or [@link #withImages(java.util.Collection)] if you want to override the existing values.</p>
@param images Information about one or more images.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "java.util.List<Image>",
  "documentation": "<p>Information about one or more images.</p>",
  "simpleType": "List<Image>",
  "variableSetterType": "java.util.Collection<Image>"
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    "deprecated": false,
    "documentation": "<p>Information about one or more images.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Information about one or more images.</p>
@param images Information about one or more images.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withImages",
    "getterDocumentation": "/**<p>Information about one or more images.</p>
@return Information about one or more images.*/",
    "getterMethodName": "getImages",
    "getterModel": {
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      "documentation": null
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  "http": {
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
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    "isStreaming": false,
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    "operationName": null,
    "unmarshallLocationName": null,
    "uri": null
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "Image",
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    "documentation" : "",
    "enumType" : null,
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     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Image",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "mapModel" : null,
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"setterModel": {
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  "variableName": "member",
  "variableType": "Image",
  "documentation": "",
  "simpleType": "Image",
  "variableSetterType": "Image"
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"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "Image",
  "documentation": "",
  "simpleType": "Image",
  "variableSetterType": "Image"
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"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Image",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Image",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Image>",
"templateType": "java.util.List<Image>
},
"map": false,
"mapModel": null,
"name": "Images",
"setterDocumentation": "/**\n<p>Information about one or more images.</p>\n@param images Information about one or more images.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setImages",
"setterModel": {
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  "variableName": "images",
  "variableType": "java.util.List<Image>",
  "documentation": "",
  "simpleType": "List<Image>",
  "variableSetterType": "java.util.Collection<Image>"
},
"simple": false,
"varargSetterDocumentation": "/**
 * Information about one or more images.
 * This method appends the values to the existing list (if any). Use [setImages(java.util.Collection)] or [withImages(java.util.Collection)] if you want to override the existing values.
 * @param images Information about one or more images.
 * @return Returns a reference to this object so that method calls can be chained together. */",
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        "variableName": "images",
        "variableType": "java.util.List<Image>",
        "documentation": "Information about one or more images.",
        "simpleType": "List<Image>",
        "variableSetterType": "java.util.Collection<Image>"
    },
    "xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeImagesResult",
"unmarshaller": {
        "flattened": false,
        "resultWrapper": null
    },
    "variable": {
        "variableDeclarationType": "DescribeImagesResult",
        "variableName": "describeImagesResult",
        "variableType": "DescribeImagesResult",
        "documentation": null,
        "simpleType": "DescribeImagesResult",
        "variableSetterType": "DescribeImagesResult"
    },
    "wrapper": false
},
"DescribeImportImageTasksRequest": {
    "c2jName": "DescribeImportImageTasksRequest",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "Contains the parameters for DescribeImportImageTasks.",
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
* @param member
* @return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
* @return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportTaskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ImportTaskId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param member
* @return */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* @param member
* @return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
“variableDeclarationType” : “String”,
“variableName” : “member”,
“variableType” : “String”,
“documentation” : “”,
“simpleType” : “String”,
“variableSetterType” : “String”
},
“xmlNameSpaceUri” : null
},
“memberLocationName” : “ImportTaskId”,
“memberType” : “String”,
“map” : false,
“marshallNonAutoConstructedEmptyLists” : false,
“memberAdditionalMarshallingPath” : null,
“memberAdditionalUnmarshallingPath” : null,
“sendEmptyQueryString” : false,
“simple” : true,
“simpleType” : “String”,
“templateImplType” : “com.amazonaws.internal.SdkInternalList<String>”,
“templateType” : “java.util.List<String>”
},
“map” : false,
“mapModel” : null,
“name” : “ImportTaskIds”,
“setterDocumentation” : “/**<p>A list of import image task IDs.</p>
@param importTaskIds A list of import image task IDs.*/

@returns Returns a reference to this object so that method calls can be chained together.*/

“variable” : {
“variableDeclarationType” : “com.amazonaws.internal.SdkInternalList<String>”,
“variableName” : “importTaskIds”,
“variableType” : “java.util.List<String>”,
“documentation” : “”,
“simpleType” : “List<String>”,
“variableSetterType” : “java.util.Collection<String>”
},
“simple” : false,
“varargSetterDocumentation” : “/**<p>A list of import image task IDs.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/

“variable” : {
“variableDeclarationType” : “com.amazonaws.internal.SdkInternalList<String>”,
“variableName” : “importTaskIds”,
“variableType” : “java.util.List<String>”,
“documentation” : “”,
“simpleType” : “List<String>”,
“variableSetterType” : “java.util.Collection<String>”
}
nextToken A token that indicates the next page of results.

@returns Returns a reference to this object so that method calls can be chained together.

```java
public MaxResults withMaxResults(String maxResults) {
    return this.withMaxResults(maxResults);
}
```

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

```java
public Integer getMaxResults() {
    return getMaxResults();
}
```

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

```java
public String getNextToken() {
    return getNextToken();
}
```

A token that indicates the next page of results.
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned nextToken value.

```
@Param maxResults

>Returns a reference to this object so that method calls can be chained together.
```

Filter tasks using the task-state filter and one of the following values: active, completed, deleting, deleted.:

```
Filter tasks using the task-state filter and one of the following values: active, completed, deleting, deleted.
```

```
following values: active, completed, deleting, deleted.

```java
public List<Filter> getFilters(Param filters)
```

*Param filters*

Filter tasks using the \texttt{task-state} filter and one of the following values: active, completed, deleting, deleted.

*Return*

Returns a reference to this object so that method calls can be chained together.*/*

```java
public List<Filter> withFilters(Param filters)
```

*Param filters*

Filter tasks using the \texttt{task-state} filter and one of the following values: active, completed, deleting, deleted.

*Return*

Returns a reference to this object so that method calls can be chained together.*/*
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"selector" : false,
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**\n\<p>Filter tasks using the \<code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>\n@param filters Filter tasks using the \<code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>Filter tasks using the \<code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>\n@param filters Filter tasks using the \<code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.*/",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
",
"xmlNameSpaceUri" : null
} 
}
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>Filter tasks using the \<code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.\n\n**param filters Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.\n\n**return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**\n* Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.\n\n**return Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.*/",
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filters",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* member \n* return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flatned": false,
  "greedy": false,
  "header": false,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
\* Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.
\* @param filters Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.
\*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
\* Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.
\* NOTE: This method appends the values to the existing list (if any). Use \{ @link #setFilters(java.util.Collection) \} or \{ @link #withFilters(java.util.Collection) \}
\* if you want to override the existing values.
\* @param filters Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.
  \* \* \* @param importTaskIds A list of import task IDs.
  \* @return Returns a reference to this
  \* object so that method calls can be chained together.
  \*/",
  "xmlNameSpaceUri" : null
},
"ImportTaskIds" : {
  "c2jName" : "ImportTaskIds",
  "c2jShape" : "ImportTaskIdList",
  "deprecated" : false,
  "documentation" : "A list of import image task IDs.
  \* @param importTaskIds A list of import image task IDs.
  \* @return Returns a reference to this
  \* object so that method calls can be chained together.
  \*/"}
import image task IDs.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withImportTaskIds",
"getterDocumentation" : "/**<p>A list of import image task IDs.</p>
@return A list of import image task IDs.*",
"getterMethodName" : "getImportTaskIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportTaskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ImportTaskId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns member\n@return Returns a reference to this object so that method calls can be chained together.*",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns\n@return */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
}

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"simple" : true,

"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"xmlnsSpaceUri" : null
}

"memberLocationName" : "ImportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",["templateType" : "java.util.List<String>"]
},
"map" : false,
"mapModel" : null,
"name" : "ImportTaskIds",
"setterDocumentation" : "/**<p>A list of import image task IDs.</p>
@param importTaskIds A list of import image task IDs.*
","setterMethodName" : "setImportTaskIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",["variableName" : "importTaskIds",
"variableType" : "java.util.List<String>",["documentation" : "",
"simpleType" : "List<String>",["variableSetterType" : "java.util.Collection<String>"]
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of import image task IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setImportTaskIds(java.util.Collection)} or {@link #withImportTaskIds(java.util.Collection)} if you want to override the existing values.</p>
@param importTaskIds A list of import image task IDs.
@return Returns a reference to this object so that method calls can be chained together.*
","variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",["variableName" : "importTaskIds",
"variableType" : "java.util.List<String>",["documentation" : "<p>A list of import image task IDs.</p>",
"simpleType" : "List<String>",["variableSetterType" : "java.util.Collection<String>"]
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
",
"enumType" : null,
"fluentSetterDocumentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."
remaining results, make another call with the returned `<code>NextToken</code>` value.</p>

```java
public class MaxResults {
    private Integer maxResults;

    public MaxResults(Integer maxResults) {
        this.maxResults = maxResults;
    }

    // Getters and setters
    public Integer getMaxResults() {
        return maxResults;
    }

    public void setMaxResults(Integer maxResults) {
        this.maxResults = maxResults;
    }
}
```

@returns The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.

@maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.

@returns Returns a reference to this object so that method calls can be chained together.
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "A token that indicates the next page of results.

    @param nextToken A token that indicates the next page of results.
    @return Returns a reference to this object so that method calls can be chained together.
    */
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "A token that indicates the next page of results.
    @return A token that indicates the next page of results.
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "NextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"setterDocumentation" : "/**\nA token that indicates the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nA token that indicates the next page of results.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "A token that indicates the next page of results.\n\n@return Returns a reference to this object so that method calls can be chained together.\n*/",
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,"required" : null,
"shapeName" : "DescribeImportImageTasksRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeImportImageTasksRequest",
"variableName" : "describeImportImageTasksRequest",
"variableType" : "DescribeImportImageTasksRequest",
"documentation" : null,
"simpleType" : "DescribeImportImageTasksRequest",
"variableSetterType" : "DescribeImportImageTasksRequest"
},
"wrapper" : false
},
"DescribeImportImageTasksResult" : {
"c2jName" : "DescribeImportImageTasksResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeImportImageTasks.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ImportImageTasks",
  "c2jShape" : "ImportImageTaskList",
  "deprecated" : false,
  "documentation" : "<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>
@throws ImportImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImportImageTasks",
  "getterDocumentation" : "/**<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>
@return A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.*/",
  "getterMethodName" : "getImportImageTasks",
  "getterModel" : {
    "returnType" : "java.util.List<ImportImageTask>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImportImageTaskSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "importImageTaskSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ImportImageTask",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n  * @param member\n  * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n  * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ImportImageTask",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "mapKey" : "Member",
    "setterDocumentation" : "/**\n  * @param member\n  */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "ImportImageTask",
      "variableName" : "member",
      "variableType" : "ImportImageTask",
      "documentation" : "",
      "simpleType" : "ImportImageTask",
      "variableSetterType" : "ImportImageTask"}
  }
}
"simple": false,
"varargSetterDocumentation": "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable": {
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  "variableName": "member",
  "variableType": "ImportImageTask",
  "documentation": "",
  "simpleType": "ImportImageTask",
  "variableSetterType": "ImportImageTask"
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"xmlNameSpaceUri": null
},
"memberLocationName": "item",
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"map": false,
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"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<ImportImageTask>",
"templateType": "java.util.List<ImportImageTask>",
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"mapModel": null,
"name": "ImportImageTasks",
"setterDocumentation": "/**\nA list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.
\n@param importImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.
\n@return Returns a reference to this object so that method calls can be chained together.*/
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  "variableName": "importImageTasks",
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  "documentation": "",
  "simpleType": "List<ImportImageTask>",
  "variableSetterType": "java.util.Collection<ImportImageTask>"
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"simple": false,
"varargSetterDocumentation": "/**\nA list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.
\nNOTE: This method appends the values to the existing list (if any). Use @link #setImportImageTasks(java.util.Collection) or @link #withImportImageTasks(java.util.Collection) if you want to override the existing values.
\n@param importImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.
\n@return Returns a reference to this object so that method calls can be chained together.*/""}
"variable" : {
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  "variableType" : "java.util.List<ImportImageTask>",
  "documentation" : "A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days."},
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  "enumType" : null,
  "fluentSetterDocumentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return."*/
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  "documentation" : null
},
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.*/",
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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    "ImportImageTasks" : {
        "c2jName" : "ImportImageTasks",
        "c2jShape" : "ImportImageTaskList",
        "deprecated" : false,
        "documentation" : "<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>\n@param importImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withImportImageTasks",
        "getterDocumentation" : "/**<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>\n@return A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.*/",
        "getterMethodName" : "getImportImageTasks",
    }
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"getterModel": {
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  "documentation": null
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
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  "isStreaming": false,
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  "unmarshallLocationName": "importImageTaskSet",
  "uri": false
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  "interfaceType": "java.util.List",
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    "c2jShape": "ImportImageTask",
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    "documentation": "",
    "enumType": null,
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    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n\@return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
    }
  }
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"statusCode" : false,
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"uri" : false
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"mapModel" : null,
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@param member */",
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  "variableType" : "ImportImageTask",
  "documentation" : "",
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  "variableSetterType" : "ImportImageTask"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "ImportImageTask",
  "documentation" : "",
  "simpleType" : "ImportImageTask",
  "variableSetterType" : "ImportImageTask"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ImportImageTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<ImportImageTask>"
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"map" : false,
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"name" : "ImportImageTasks",
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  "simpleType" : "List<ImportImageTask>",
  "variableSetterType" : "java.util.Collection<ImportImageTask>"
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"simple" : false,
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  "documentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
  @param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.
},
"getterDocumentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.

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  "variableType" : "java.util.List<ImportImageTask>",
  "documentation" : "",
  "simpleType" : "List<ImportImageTask>",
  "variableSetterType" : "java.util.Collection<ImportImageTask>"
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  "documentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
  @param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.
},
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  "documentation" : "",
  "simpleType" : "List<ImportImageTask>",
  "variableSetterType" : "java.util.Collection<ImportImageTask>"
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"xmlNameSpaceUri" : null
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  "documentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
  @param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.
},
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  "simpleType" : "List<ImportImageTask>",
  "variableSetterType" : "java.util.Collection<ImportImageTask>"
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "nextToken",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
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next page of results. This value is <code>null</code> when there are no more results to return.*/",
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    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The token to use to get the next page of results. This value is
<code>null</code> when there are no more results to return.\n</p>\n@param nextToken The token to use to get the
next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a
reference to this object so that method calls can be chained together.*/",
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when there are no more results to return.\</p>"},
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"variableSetterType" : "String"
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  "variableType" : "DescribeImportImageTasksResult",
  "documentation" : null,
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  "variableSetterType" : "DescribeImportImageTasksResult"
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeImportSnapshotTasks.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  }
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"deprecated" : false,
"documentation" : "<p>A list of import snapshot task IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*/\n@param importTaskIds A list of import snapshot task IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportTaskIds",
"getterDocumentation" : "/*/\n@return A list of import snapshot task IDs.*/",
"getterMethodName" : "getImportTaskIds",
"getterModel" : { 
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"documentation" : null
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"http" : { 
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"unmarshallLocationName" : "ImportTaskId",
"uri" : false
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"c2jShape" : "String",
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"documentation" : "",
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"getterDocumentation" : "/*/\n@return */",
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"..."}
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  "documentation" : null
},
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**
    * @param member
    * @return Returns a reference to this object so that
    * method calls can be chained together.
    */",
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  "variableName" : "member",
  "variableType" : ""String"",
  "documentation" : "",
  "simpleType" : ""String"",
  "variableSetterType" : ""String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@n@param member 
@n@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : ""String"",
  "documentation" : "",
  "simpleType" : ""String"",
  "variableSetterType" : ""String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "ImportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ImportTaskIds",
"setterDocumentation" : "/**<p>A list of import snapshot task IDs.</p>
@param importTaskIds A list of import snapshot task IDs.*/",
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"setterModel" : {
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  "variableName" : "importTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of import snapshot task IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setImportTaskIds(java.util.Collection)} or {
  @link #withImportTaskIds(java.util.Collection)) if you want to override the existing values.</p>
@param importTaskIds A list of import snapshot task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>A list of import snapshot task IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
},
{ "c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A token that indicates the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken

---

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A token that indicates the next page of results.

*getterDocumentation*:

```text
/**
 * A token that indicates the next page of results.
 */

constructor

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  *documentation* : null
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  *additionalUnmarshallingPath* : null,
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  *greedy* : false,
  *header* : false,
  *isPayload* : false,
  *isStreaming* : false,
  *location* : null,
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  *statusCode* : false,
  *unmarshallLocationName* : "NextToken",
  *uri* : false
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*map* : false,
*mapModel* : null,
*name* : "NextToken",
*setterDocumentation*:

```text
/**
 * A token that indicates the next page of results.
 */

```text
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
*/

```

"fluentSetterMethodName" : "withNextToken",
"setterMethodName" : "setNextToken",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation*:

```text
/**
 * A token that indicates the next page of results.
 */

```text
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
*/

```

"variable" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation*:

```text
/**
 * A token that indicates the next page of results.
 */

```text
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
*/

```

"variable" : {
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"documentation" : "<p>A token that indicates the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>

@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@return Returns a reference to this object so that method calls can be chained together.

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>

@return Returns a reference to this object so that method calls can be chained together.
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filters",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@returns */",
"getterMethodName" : "getElement",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",

"simple" : false,
"varargSetterDocumentation" : "/**\n* One or more filters.
* <p>NOTE:</p>
* This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.
* \n* @param filters One or more filters.
* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "One or more filters.",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",

"xmlNameSpaceUri" : null
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"membersAsMap" : {
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"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.",
"enumType" : null,
"fluentSetterDocumentation" : "One or more filters.",
"getterDocumentation" : "One or more filters.",
"getterMethodName" : "getFilters",
"getValue" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},

"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,

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"statusCode" : false,
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"uri" : false
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
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    "c2jShape" : "Filter",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\n@param member 
\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
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    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {

"variableDeclarationType" : "Filter",
"variableName" : "member",
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"variableSetterType" : "Filter"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Filter>
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"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**\n@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
"},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.*/
<br>Note: This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link
#withFilters(java.util.Collection) if you want to override the existing values.</p>

@returns Returns a reference to this object so that method calls can be chained together.

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        "simpleType": "List<Filter>",
        "variableSetterType": "java.util.Collection<Filter>",
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"ImportTaskIds": {
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    "c2jShape": "ImportTaskIdList",
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    "documentation": "<p>A list of import snapshot task IDs.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>A list of import snapshot task IDs.</p>

@returns A list of import snapshot task IDs.*/",
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    "getterDocumentation": "/**<p>A list of import snapshot task IDs.</p>

@return A list of import snapshot task IDs.*/",
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        "greedy": false,
        "header": false,
        "isPayload": false,
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        "unmarshallLocationName": "ImportTaskId",
        "uri": false
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    "idempotencyToken": false,
    "list": true,
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        "variableType": "java.util.List<Filter>",
        "documentation": "<p>One or more filters.</p>",
        "simpleType": "List<Filter>",
        "variableSetterType": "java.util.Collection<Filter>",
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"deprecated": false,
"documentation": "",
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@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
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"documentation": null
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"greedy": false,
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"isPayload": false,
"isStreaming": false,
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"statusCode": false,
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"uri": false
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"listModel": null,
"map": false,
"mapModel": null,
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"setterModel": {
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"variableName": "member",
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"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
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"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ImportTaskIds",
"setterDocumentation" : "/**<p>A list of import snapshot task IDs.</p>
@param importTaskIds A list of import snapshot task IDs.</param>*/",
"setterMethodName" : "setImportTaskIds",
"setterModel" : {
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  "variableName" : "importTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of import snapshot task IDs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setImportTaskIds(java.util.Collection)} or {@link #withImportTaskIds(java.util.Collection)} if you want to override the existing values.

@param importTaskIds A list of import snapshot task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.List<String>"
"documentation" : "<p>A list of import snapshot task IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>>"
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"xmlNameSpaceUri" : null
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"MaxResults" : {
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 "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMaxResults",
 "getterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
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 "getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
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 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "MaxResults",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
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 "map" : false,
 "mapModel" : null,
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"setterDocumentation": "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMaxResults",
"setterModel": {
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  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
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  "variableSetterType": "Integer"
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"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
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"xmlNameSpaceUri": null
},
"NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "String",
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  "documentation": "<p>A token that indicates the next page of results.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNextToken",
  "getterDocumentation": "/**<p>A token that indicates the next page of results.</p>
@return A token that indicates the next page of results.
*/",
  "getterMethodName": "getNextToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.</p>*/",
"setterMethodName" : "setNextToken",
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>A token that indicates the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeImportSnapshotTasksRequest",
  "variableName" : "describeImportSnapshotTasksRequest",
  "variableType" : "DescribeImportSnapshotTasksRequest",
  "documentation" : null,
  "simpleType" : "DescribeImportSnapshotTasksRequest",
  "variableSetterType" : "DescribeImportSnapshotTasksRequest"
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"wrapper" : false
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"DescribeImportSnapshotTasksResult" : {
  "c2jName" : "DescribeImportSnapshotTasksResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output for DescribeImportSnapshotTasks.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "ImportSnapshotTasks",
    "c2jShape" : "ImportSnapshotTaskList",
    "deprecated" : false,
    "documentation" : "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withImportSnapshotTasks",
    "getterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>@return
A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.*/",
    "getterMethodName" : "getImportSnapshotTasks",
    "getterModel" : 
  }
}
"returnType" : "java.util.List<ImportSnapshotTask>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importSnapshotTaskSet",
"uri" : false
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"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ImportSnapshotTask",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ImportSnapshotTask",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"name" : "ImportSnapshotTasks",
"setterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>
@\@param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.*"",
"setterMethodName" : "setImportSnapshotTasks",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportSnapshotTask>",
"variableName" : "importSnapshotTasks",
"variableType" : "java.util.List<ImportSnapshotTask>",
"documentation" : "",
"simpleType" : "List<ImportSnapshotTask>",
"variableSetterType" : "java.util.Collection<ImportSnapshotTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>
<br>NOTE:<br> This method appends the values to the existing list (if any). Use {[@link #setImportSnapshotTasks(java.util.Collection)]} or {[@link #withImportSnapshotTasks(java.util.Collection)]} if you want to override the existing values.<br>@\@param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.<br>@\@return Returns a reference to this object so that method calls can be chained together.*"",
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"documentation" : "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>
", "simpleType" : "List<ImportSnapshotTask>",
"variableSetterType" : "java.util.Collection<ImportSnapshotTask>"
},
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},
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"documentation" : "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>
", "enumType" : null,
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@\@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.<br>@\@return Returns a reference to this object so that method calls can be chained together.*"",
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@\@return The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.<br>@\@return Returns a reference to this object so that method calls can be chained together.*"",
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"getterModel" : {
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"documentation" : null
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  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to get the next page of results. This value is
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  @param nextToken The token to use to get the
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  @param nextToken The token to use to get the
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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"getterMethodName" : "getMember",
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  "variableType" : "ImportSnapshotTask",
  "documentation" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "ImportSnapshotTask",
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"variableType" : "ImportSnapshotTask",
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"variableSetterType" : "ImportSnapshotTask"
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"templateType" : "java.util.List<ImportSnapshotTask>
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"name" : "ImportSnapshotTasks",
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@param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.*/",
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  "documentation" : "",
  "simpleType" : "List<ImportSnapshotTask>",
  "variableSetterType" : "java.util.Collection<ImportSnapshotTask>
"
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@param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<ImportSnapshotTask>",
  "documentation" : "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.*/
"
completed or canceled in the previous 7 days.</p>",
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 "list" : false,
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 "mapModel" : null,
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```

"setterMethodName" : "setNextToken",
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    "variableSetterType" : "String"
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```

```

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```

```

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    "resultWrapper" : null
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    "variableType" : "DescribeImportSnapshotTasksResult",
    "documentation" : null,
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    "variableSetterType" : "DescribeImportSnapshotTasksResult"
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    "variableName" : "describeInstanceAttributeRequest",
    "variableType" : "DescribeInstanceAttributeRequest",
    "documentation" : null,
    "simpleType" : "DescribeInstanceAttributeRequest",
    "variableSetterType" : "DescribeInstanceAttributeRequest"
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 * @param instanceId The ID of the instance.
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"documentation" : "",
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 * @return Returns a reference to this object so that method calls can be chained together.
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<p>Note: The <code>enaSupport</code> attribute is not supported at this time.</p>
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 * The instance attribute.
 * @param attribute The instance attribute.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see InstanceAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**
 * The instance attribute.
 * @return The instance attribute.
 * @see InstanceAttributeName*/",
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 * @param instanceId The ID of the instance.
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 * @param instanceId The ID of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
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 * @return The ID of the instance.
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<p>Note: The <code>enaSupport</code> attribute is not supported at this time.</p>
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"fluentSetterDocumentation" : "/**
 * The instance attribute.
 * @param attribute The instance attribute.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see InstanceAttributeName*/",
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 * @return The instance attribute.
 * @see InstanceAttributeName*/",
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"getterModel": {
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The instance attribute.</p> <p>Note: The <code>enaSupport</code> attribute is not supported at this time.</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/"
attribute is not supported at this time.<p>

@param attribute The instance attribute.<p>

@see InstanceAttributeName*/

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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : <p>The ID of the instance.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the instance.</p>
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"varargSetterDocumentation" : "/**\n<p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "documentation" : "<p>Describes an instance attribute.</p>",
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"variableSetterType": "InstanceAttribute"
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"variableType": "InstanceAttribute",
"documentation": "<p>Describes an instance attribute.</p>",
"simpleType": "InstanceAttribute",
"variableSetterType": "InstanceAttribute"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"InstanceAttribute": {
"c2jName": "InstanceAttribute",
"c2jShape": "InstanceAttribute",
"deprecated": false,
"documentation": "<p>Describes an instance attribute.</p>",
"enumType": null,
"fluentSetterDocumentation" : "/**\p>Describes an instance attribute.<p>/p>\n@param instanceAttribute Describes an instance attribute.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInstanceAttribute",
"getterDocumentation" : "/**\p>Describes an instance attribute.\p>/p>\n@return Describes an instance attribute. */",
"getterMethodName" : "getInstanceAttribute",
"getterModel" : { 
    "returnType" : "InstanceAttribute",
    "documentation" : null
},
"http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceAttribute",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceAttribute",
    "uri" : false
},
:idempotencyToken": false,
:list" : false,
:listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceAttribute",
"setterDocumentation" : "/**\p>Describes an instance attribute.\p>/p>\n@param instanceAttribute Describes an instance attribute. */",
"setterMethodName" : "setInstanceAttribute",
"setterModel" : { 
    "variableDeclarationType" : "InstanceAttribute",
    "variableName" : "instanceAttribute",
    "variableType" : "InstanceAttribute",
    "documentation" : "",
    "simpleType" : "InstanceAttribute",
    "variableSetterType" : "InstanceAttribute"
},
"simple" : false,
"varargSetterDocumentation" : "/**\p>Describes an instance attribute.\p>/p>\n@param instanceAttribute Describes an instance attribute.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "InstanceAttribute",
"variableName" : "instanceAttribute",
"variableType" : "InstanceAttribute",
"documentation" : "<p>Describes an instance attribute.</p>",
"simpleType" : "InstanceAttribute",
"variableSetterType" : "InstanceAttribute"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeInstanceAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {
  "variableDeclarationType" : "DescribeInstanceAttributeResult",
  "variableName" : "describeInstanceAttributeResult",
  "variableType" : "DescribeInstanceAttributeResult",
  "documentation" : null,
  "simpleType" : "DescribeInstanceAttributeResult",
  "variableSetterType" : "DescribeInstanceAttributeResult"
},
"wrapper" : false

"DescribeInstanceStatusRequest" : {
  "c2jName" : "DescribeInstanceStatusRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeInstanceStatus.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeInstanceStatus",
    "locationName" : null,
    "requestUri" : "/"
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
],
"members": [ {
  "c2jName": "InstanceIds",
  "c2jShape": "InstanceIdStringList",
  "deprecated": false,
  "documentation": "One or more instance IDs. Default: Describes all your instances."
},
"enumType": null,
"fluentSetterDocumentation": "/** One or more instance IDs. 
  @param instanceIds One or more instance IDs.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withInstanceIds",
  "getterDocumentation": "/** One or more instance IDs.
  @return One or more instance IDs. 
  Default: Describes all your instances. */",
  "getterMethodName": "getInstanceIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "InstanceId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "InstanceId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "String",
      "deprecated": false,
      "constraint": "Maximum 100 explicitly specified instance IDs."
    },
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "InstanceId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "InstanceId",
    "uri": false
  }
}
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"}
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/*\p<One or more instance IDs.\<p>Default: Describes all your instances.\<p>Constraints: Maximum 100 explicitly specified instance IDs.\n@\param instanceIds One or more instance IDs.\<p>Default: Describes all your instances.\<p>Constraints: Maximum 100 explicitly specified instance IDs.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
},
"map" : false,
"simple" : false,
"varargSetterDocumentation" : "/*\p<One or more instance IDs.\<p>Default: Describes all your instances.\<p>Constraints: Maximum 100 explicitly specified instance IDs.\n@\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more instance IDs.\</p><p>Default: Describes all your instances.\</p>Constraints: Maximum 100 explicitly specified instance IDs."}
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> 
<ul>
<li> <p> <code>availability-zone</code> - The Availability Zone of the instance. </p> </li>
<li> <p> <code>event.code</code> - The code for the scheduled event (<code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-stop</code>). </p> </li>
<li> <p> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li>
<li> <p> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li>
<li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). </p> </li>
<li> <p> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>stopping</code> | <code>stopped</code>). </p> </li>
<li> <p> <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>). </p> </li>
<li> <p> <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>). </p> </li>
<li> <p> <code>system-status.status</code> - The system status of the instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>). </p> </li>
</ul>"
applicable).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li> <li> <p> <code>event-code</code> - The code for the scheduled event (e.g., <code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-retirement</code> | <code>instance-stop</code>).</p> </li> <li> <p> <code>event-description</code> - A description of the event.</p> </li> <li> <p> <code>event-not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).</p> </li> <li> <p> <code>event-not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).</p> </li> <li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> </li> <li> <p> <code>instance-state-name</code> - The state of the instance (e.g., <code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code>).</p> </li> <li> <p> <code>instance-status-reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).</p> </li> <li> <p> <code>instance-status-status</code> - The status of the instance (e.g., <code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).</p> </li> <li> <p> <code>system-status-reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).</p> </li> <li> <p> <code>system-status-status</code> - The system status of the instance (e.g., <code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).</p> </li> <li> <p><code>event</code> - The scheduled event (e.g., <code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-retirement</code> | <code>instance-stop</code>).</p> </li> </ul>

@return

Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/** One or more filters. */

** availability-zone */ - The Availability Zone of the instance.

** event-code */ - The code for the scheduled event.

** event-description */ - A description of the event.

** event-not-after */ - The latest end time for the scheduled event.

** event-not-before */ - The earliest start time for the scheduled event.

** instance-state-code */ - The code for the instance state.

** instance-state-name */ - The state of the instance.

** instance-status-reachability */ - Filters on instance status.

** instance-status-status */ - The status of the instance.

** system-status-reachability */ - Filters on system status.

** system-status-status */ - The system status of the instance.
instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).<p> \</p>\li> \\ add return One or more filters.<p> <ul> <li> <p> <code>event.description</code> - A description of the event.<p> \</p>\li> <li> <p> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).<p> \</p>\li> <li> <p> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).<p> \</p>\li> <li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).<p> \</p>\li> <li> <p> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).<p> \</p>\li> <li> <p> <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).<p> \</p>\li> <li> <p> <code>instance-status.status</code> - The status of the instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).<p> \</p>\li> <li> <p> <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).<p> \</p>\li> <li> <p> <code>system-status.status</code> - The system status of the instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).<p> \</p>\li> */",

"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
"listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "Filter",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Filter",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Filter",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "Filter",
        "variableName" : "member",
        "variableType" : "Filter",
        "documentation" : "",
        "simpleType" : "Filter",
        "variableSetterType" : "Filter"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/"}
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/*<p>One or more filters.</p>

- The Availability Zone of the instance.</li>
- The code for the scheduled event
- The latest end time for the scheduled event (for example, 2014-09-15T17:15:20.000Z).
- The earliest start time for the scheduled event (for example, 2014-09-15T17:15:20.000Z).
- The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).
- Filters on instance status where the name is <code>instance-status.reachability</code> - Filters on instance status where the name is <code>instance-status.status</code> - The status of the instance
- Filters on system status where the name is <code>system-status.reachability</code> - Filters on system status where the name is <code>system-status.status</code> - The system status of the instance.

<ul>
  <li> <p> <code>event.description</code> - A description of the event. </li>
  <li> <p> <code>event.not-after</code> - The latest end time for the scheduled event (for example, 2014-09-15T17:15:20.000Z). </li>
  <li> <p> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, 2014-09-15T17:15:20.000Z). </li>
  <li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). </li>
</ul>

setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>
},

"simple" : false,
"varargSetterDocumentation" : "One or more filters."
One or more filters.

- The Availability Zone of the instance.
- The code for the scheduled event (for example, \textcode{2014-09-15T17:15:22.000Z}).
- The latest start time for the scheduled event (for example, \textcode{2014-09-15T17:15:20.000Z}).
- The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).
- A description of the event.
- The latest end time for the scheduled event (for example, \textcode{2014-09-15T17:15:20.000Z}).
- The state of the instance (\textcode{pending} | \textcode{running} | \textcode{shutting-down} | \textcode{terminated} | \textcode{stopping} | \textcode{stopped}).
- The status of the instance (\textcode{ok} | \textcode{impaired} | \textcode{initializing} | \textcode{insufficient-data} | \textcode{not-applicable}).
- Filters on system status where the name is \textcode{reachability} (\textcode{passed} | \textcode{failed} | \textcode{initializing} | \textcode{insufficient-data}).
- The system status of the instance (\textcode{ok} | \textcode{impaired} | \textcode{initializing} | \textcode{insufficient-data} | \textcode{not-applicable}).
- Filters on instance status where the name is \textcode{reachability} (\textcode{passed} | \textcode{failed} | \textcode{initializing} | \textcode{insufficient-data}).
- The status of the instance (\textcode{ok} | \textcode{impaired} | \textcode{initializing} | \textcode{insufficient-data} | \textcode{not-applicable}).
- Filters on instance status where the name is \textcode{reachability} (\textcode{passed} | \textcode{failed} | \textcode{initializing} | \textcode{insufficient-data}).
- The system status of the instance (\textcode{ok} | \textcode{impaired} | \textcode{initializing} | \textcode{insufficient-data} | \textcode{not-applicable}).
- Filters on instance status where the name is \textcode{reachability} (\textcode{passed} | \textcode{failed} | \textcode{initializing} | \textcode{insufficient-data}).

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<li><p><code>instance-status.status</code> - The status of the instance (ok | impaired | initializing | insufficient-data | not-applicable).</p></li><li><p><code>system-status.reachability</code> - Filters on system status where the name is reachability (passed | failed | initializing | insufficient-data). The system status of the instance.</p></li>
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@\param nextToken The token to retrieve the next page of results.</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@\param nextToken The token to retrieve the next page of results.</p>@\return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
  @\param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>@\return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>@\return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>*/",
  "getterMethodName" : "getMaxResults",
"open_source_used_in_vos_assets_for_ccbu_projects_centos_12.6(1)" : "4890"}
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.\n@return Returns a reference to this object so that method calls can be chained together.*/,"
"variable" : {
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  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and
1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "IncludeAllInstances",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>When <code>true</code>, includes the health status for all instances. When
<code>false</code>, includes the health status for running instances only.</p> Default: <code>false</code>"
  "fluentSetterDocumentation" : "@param includeAllInstances When <code>true</code>, includes the health status for all instances. When
<code>false</code>, includes the health status for running instances only.
@returns Returns a reference to this object so that method calls can be chained together."",
  "fluentSetterMethodName" : "withIncludeAllInstances",
  "getterDocumentation" : "@returns When <code>true</code>, includes the health status for all instances. When
<code>false</code>, includes the health status for running instances only.
@returns Returns a reference to this object so that method calls can be chained together."",
  "getterMethodName" : "getIncludeAllInstances",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "IncludeAllInstances",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "includeAllInstances",
    "uri" : false
The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).</p> 
</li> <li> <p> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). 
</p> </li> <li> <p> <code>event.description</code> - A description of the event. 
</p> </li> <li> <p> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). 
</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance. 
</p> </li> <li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). 
</p> </li> <li> <p> <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>). 
</p> </li> <li> <p> <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>). 
</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance. 
</p> </li>
value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

```
<code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

<code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).

<code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (
<code>passed</code> | <code>failed</code> | <code>initializing</code> | 
<code>insufficient-data</code>).

<code>instance-status.status</code> - The system status of the instance (<code>ok</code> | <code>impaired</code> | 
<code>not-applicable</code> | <code>not-applicable</code>).

@return

Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**

One or more filters.

The Availability Zone of the instance.

The code for the scheduled event (for example, <code>instance-reboot</code> | 
<code>system-reboot</code> | <code>system-maintenance</code> | 
<code>instance-retirement</code> | 
<code>instance-stop</code>). The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). The state of the instance (<code>ok</code> | <code>impaired</code> | 
<code>not-applicable</code> | <code>not-applicable</code>).

The system status of the instance (<code>ok</code> | <code>impaired</code> | 
<code>not-applicable</code> | <code>not-applicable</code>).
<code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).</p></li></ul></li>
</ul></li>
</li>

/*

"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "/**
     *\n     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "documentation" : ""
  }
}
*/
"documentation" : null,
],
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "Filter",
"memberType" : "Filter"
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li> <li> <p> <code>event.code</code> - The code for the scheduled event (<code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-retirement</code> | <code>instance-stop</code>).</p> </li> <li> <p> <code>event.description</code> - A description of the event.</p> </li> <li> <p> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li> <li> <p> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li> <li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). </p> </li>
</ul>
@param filters One or more filters.</p> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone of the instance. </p> </li> <li> <p> <code>event.code</code> - The code for the scheduled event (<code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-retirement</code> | <code>instance-stop</code>). </p> </li> <li> <p> <code>event.description</code> - A description of the event. </p> </li> <li> <p> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li> <li> <p> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li> <li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). </p> </li>
<li> <p> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>). </p> </li> <li> <p> <code>instance-status.reachability</code> - Filters on instance status where the name is
scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).</p> </li> <li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). </p> </li> <li> <p> <code>instance-state-name</code> - The state of the instance (for example, <code>pending</code>). </p> </li> <li> <p> <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>ok</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>). </p> </li> <li> <p> <code>instance-status.status</code> - The system status of the instance (<code>ok</code> | <code>impaired</code> | <code>insufficient-data</code> | <code>not-applicable</code>). </p> </li> <li> <p> <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>ok</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>). </p> </li> <li> <p> <code>system-status.status</code> - The system status of the instance (<code>ok</code> | <code>impaired</code> | <code>insufficient-data</code> | <code>not-applicable</code>). </p> </li> <li> <p> <code>variable</code> : { </p> </li> <li> <p> "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;Filter&gt;", </p> </li> <li> <p> "variableName" : "filters", </p> </li> <li> <p> "variableType" : "java.util.List&lt;Filter&gt;", </p> </li> <li> <p> "documentation" : "&lt;p&gt;One or more filters.&lt;/p&gt;&lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;availability-zone&lt;/code&gt; - The Availability Zone of the instance.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;event.code&lt;/code&gt; - The code for the scheduled event (&lt;code&gt;instance-reboot&lt;/code&gt; | &lt;code&gt;system-reboot&lt;/code&gt; | &lt;code&gt;system-maintenance&lt;/code&gt; | &lt;code&gt;instance-retirement&lt;/code&gt; | &lt;code&gt;instance-stop&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;event.description&lt;/code&gt; - A description of the event.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;event.not-after&lt;/code&gt; - The latest end time for the scheduled event (for example, &lt;code&gt;2014-09-15T17:15:20.000Z&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;event.not-before&lt;/code&gt; - The earliest start time for the scheduled event (for example, &lt;code&gt;2014-09-15T17:15:20.000Z&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;instance-state-code&lt;/code&gt; - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;instance-state-name&lt;/code&gt; - The status of the instance (&lt;code&gt;ok&lt;/code&gt; | &lt;code&gt;impaired&lt;/code&gt; | &lt;code&gt;insufficient-data&lt;/code&gt; | &lt;code&gt;not-applicable&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;instance-status.reachability&lt;/code&gt; - Filters on instance status where the name is &lt;code&gt;reachability&lt;/code&gt; (&lt;code&gt;ok&lt;/code&gt; | &lt;code&gt;failed&lt;/code&gt; | &lt;code&gt;initializing&lt;/code&gt; | &lt;code&gt;insufficient-data&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;instance-status.status&lt;/code&gt; - The status of the instance (&lt;code&gt;ok&lt;/code&gt; | &lt;code&gt;impaired&lt;/code&gt; | &lt;code&gt;insufficient-data&lt;/code&gt; | &lt;code&gt;not-applicable&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;system-status.reachability&lt;/code&gt; - Filters on system status where the name is &lt;code&gt;reachability&lt;/code&gt; (&lt;code&gt;ok&lt;/code&gt; | &lt;code&gt;failed&lt;/code&gt; | &lt;code&gt;initializing&lt;/code&gt; | &lt;code&gt;insufficient-data&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;system-status.status&lt;/code&gt; - The system status of the instance (&lt;code&gt;ok&lt;/code&gt; | &lt;code&gt;impaired&lt;/code&gt; | &lt;code&gt;initializing&lt;/code&gt; | &lt;code&gt;insufficient-data&lt;/code&gt; | &lt;code&gt;not-applicable&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;/ul&gt;";
</p>
"c2jName" : "IncludeAllInstances",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
\n@method includeAllInstances When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
\n@return Returns a reference to this object so that method calls can be chained together.</p> */",
"fluentSetterMethodName" : "withIncludeAllInstances",
"getterDocumentation" : "/*<p>When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
\n@return When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
*/",
"getterMethodName" : "getIncludeAllInstances",
"getterModel" : {
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  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IncludeAllInstances",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "includeAllInstances",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IncludeAllInstances",
"setterDocumentation" : "/*<p>When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
\n@method includeAllInstances When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
\n@return Returns a reference to this object so that method calls can be chained together.</p> */",
"setterMethodName" : "setIncludeAllInstances",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "includeAllInstances",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only. <p>Default: <code>false</code></p>

@param includeAllInstances When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only. <p>Default: <code>false</code></p>

@return Returns a reference to this object so that method calls can be chained together."",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "includeAllInstances",
  "variableType": "Boolean",
  "documentation": "When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only. <p>Default: <code>false</code></p>
",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"InstanceIds": {
  "c2jName": "InstanceIds",
  "c2jShape": "InstanceIdStringList",
  "deprecated": false,
  "documentation": "One or more instance IDs. <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p>"
  "enumType": null,
  "fluentSetterDocumentation": "One or more instance IDs. <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p>\n@@return Returns a reference to this object so that method calls can be chained together."",
  "fluentSetterMethodName": "withInstanceIds",
  "getterDocumentation": "One or more instance IDs. <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p>
  "getterMethodName": "getInstanceIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
}
,"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
,"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**
One or more instance IDs. Default: Describes all your instances.
Constraints: Maximum 100 explicitly specified instance IDs.
*/
"
"setterMethodName" : "setInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p> <p>NOTE: This method appends the values to the existing list (if any). Use @link #getInstanceIds(java.util.Collection) or @link #withInstanceIds(java.util.Collection) if you want to override the existing values.</p> @param instanceIds One or more instance IDs. <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p> @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more instance IDs. <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
  },
  "xmlNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.",
  "return" : null,
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more instance IDs. <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.
  "variableSetterType" : "java.util.Collection<String>"
},
  "xmlNameSpaceUri" : null
}
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Parameter and the instance IDs parameter in the same call.*/",

"getterMethodName" : "getMaxResults",

"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "MaxResults",

"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>*/\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.*/",

"setterMethodName" : "setMaxResults",

"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>*/\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and
You cannot specify this parameter and the instance IDs parameter in the same call.

@returns Returns a reference to this object so that method calls can be chained together. *\*/

"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
   "c2jName" : "NextToken",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>The token to retrieve the next page of results.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/*!\*<p>The token to retrieve the next page of results.</p>\n@returns The token to retrieve the next page of results.*/",
   "fluentSetterMethodName" : "withNextToken",
   "getterDocumentation" : "/*!\*<p>The token to retrieve the next page of results.</p>\n@returns The token to retrieve the next page of results.*/",
   "getterMethodName" : "getNextToken",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NextToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "NextToken",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
 * The token to retrieve the next page of results.
 */
@param nextToken The token to retrieve the next page of results.
",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The token to retrieve the next page of results.
 */
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token to retrieve the next page of results.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeInstanceStatusRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeInstanceStatusRequest",
  "variableName" : "describeInstanceStatusRequest",
  "variableType" : "DescribeInstanceStatusRequest",
  "documentation" : "",
  "simpleType" : "DescribeInstanceStatusRequest",
  "variableSetterType" : "DescribeInstanceStatusRequest"
},
"wrapper" : false
},
"DescribeInstanceStatusResult" : {
  "c2jName" : "DescribeInstanceStatusResult",
  "customization" : {

}}
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeInstanceStatus.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "InstanceStatuses",
"c2jShape" : "InstanceStatusList",
"deprecated" : false,
"documentation" : "<p>One or more instance status descriptions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more instance status descriptions.</p>
@param
instanceStatuses One or more instance status descriptions.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceStatuses",
"getterDocumentation" : "/**<p>One or more instance status descriptions.</p>
@return One or more instance status descriptions.*/",
"getterMethodName" : "getInstanceStatuses",
"getterModel" : { 
"returnType" : "java.util.List<InstanceStatus>",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceStatusSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceStatusSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "InstanceStatus",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodFullName": "getMember",
"getterModel": {
"returnType": "InstanceStatus",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodFullName": "setMember",
"setterModel": {
"variableDeclarationType": "InstanceStatus",
"variableName": "member",
"variableType": "InstanceStatus",
"documentation": "",
"simpleType": "InstanceStatus",
"variableSetterType": "InstanceStatus"}
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "InstanceStatus",
  "variableName": "member",
  "variableType": "InstanceStatus",
  "documentation": "",
  "simpleType": "InstanceStatus",
  "variableSetterType": "InstanceStatus"
},
"xmlnsSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InstanceStatus",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceStatus",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
"templateType": "java.util.List<InstanceStatus>",
"map": false,
"mapModel": null,
"name": "InstanceStatuses",
"setterDocumentation": "/**<p>One or more instance status descriptions.</p>
@param instanceStatuses One or more instance status descriptions.*/",
"setterMethodName": "setInstanceStatuses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
  "variableName": "instanceStatuses",
  "variableType": "java.util.List<InstanceStatus>",
  "documentation": "",
  "simpleType": "List<InstanceStatus>",
  "variableSetterType": "java.util.Collection<InstanceStatus>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more instance status descriptions.</p>
NOTE: This method appends the values to the existing list (if any). Use [@link setInstanceStatuses(java.util.Collection)] or [@link withInstanceStatuses(java.util.Collection)] if you want to override the existing values.*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
  "variableName": "member",
  "variableType": "InstanceStatus",
  "documentation": "",
  "simpleType": "InstanceStatus",
  "variableSetterType": "InstanceStatus"
}
"variableName": "instanceStatuses",
"variableType": "java.util.List<InstanceStatus>",
"documentation": "<p>One or more instance status descriptions.</p>",
"simpleType": "List<InstanceStatus>",
"variableSetterType": "java.util.Collection<InstanceStatus>"
},
"xmlNameSpaceUri": null
},
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceStatuses" : {
    "c2jName" : "InstanceStatuses",
    "c2jShape" : "InstanceStatusList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance status descriptions.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more instance status descriptions.</p>
@param instanceStatuses One or more instance status descriptions.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceStatuses",
    "getterDocumentation" : "/**<p>One or more instance status descriptions.</p>
@return One or more instance status descriptions.*/",
    "getterMethodName" : "getInstanceStatuses",
    "getterModel" : {
      "returnType" : "java.util.List<InstanceStatus>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null
    }
  }
}
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceStatusSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceStatusSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "InstanceStatus",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n   @param member \n   @return Returns a reference to this object so that
   method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**\n   @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "InstanceStatus",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "InstanceStatus",
    "variableName" : "member",
    "variableType" : "InstanceStatus",
    "documentation" : "",
    "simpleType" : "InstanceStatus",
    "variableSetterType" : "InstanceStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "InstanceStatus",
    "variableName" : "member",
    "variableType" : "InstanceStatus",
    "documentation" : "",
    "simpleType" : "InstanceStatus",
    "variableSetterType" : "InstanceStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceStatus",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStatus",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
"templateType" : "java.util.List<InstanceStatus>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceStatuses",
"setterDocumentation" : "/**<p>One or more instance status descriptions.</p>
@param instanceStatuses One or more instance status descriptions.*/",
"setterMethodName" : "setInstanceStatuses",
"setterModel" : {

This method appends the values to the existing list (if any). Use \{@link #setInstanceStatuses(java.util.Collection)\} or \{@link #withInstanceStatuses(java.util.Collection)\} if you want to override the existing values.\n
@returns

Returns a reference to this object so that method calls can be chained together.

The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

@returns

Returns a reference to this object so that method calls can be chained together.

The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

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The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
The token to use to retrieve the next page of results. This value is null when there are no more results to return.

@n@return Returns a reference to this object so that method calls can be chained together.
"shapeName" : "DescribeInstanceStatusResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeInstanceStatusResult",
  "variableName" : "describeInstanceStatusResult",
  "variableType" : "DescribeInstanceStatusResult",
  "documentation" : null,
  "simpleType" : "DescribeInstanceStatusResult",
  "variableSetterType" : "DescribeInstanceStatusResult"
},
"wrapper" : false
},
"DescribeInstancesRequest" : {
  "c2jName" : "DescribeInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p>

@returns Returns a reference to this object so that method calls can be chained together."*/"},
"fluentSetterMethodName" : "withInstanceIds",
"getterDocumentation" : "/**<p>One or more instance IDs.</p>
<p>Default: Describes all your instances.</p>*/ <p>@return One or more instance IDs.</p>*/
"getterMethodName" : "getInstanceIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/*@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/*@return */",
"getterMethodName" : "getInstanceIds",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"

}
,"simple" : true,

"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"

}
,"simpleType" : "String",...
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p>
@param instanceIds One or more instance IDs. <p>Default: Describes all your instances.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInstanceIds(java.util.Collection) } or { @link #withInstanceIds(java.util.Collection) } if you want to override the existing values.</p>
@param instanceIds One or more instance IDs. <p>Default: Describes all your instances.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more instance IDs.
<br>
Default: Describes all your instances.<p><br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null,
  },
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul><li><p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>).<p><br>\li> <li><p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>).<p><br>\li> <li><p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.<p><br>\li> <li><p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.<p><br>\li> <li><p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.<p><br>\li> <li><p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.<p><br>\li> <li><p> <code>availability-zone</code> - The Availability Zone of the instance.<p><br>\li> <li><p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.<p><br>\li> <li><p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on
instance termination.</p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>) or <code>xvdh</code>.)</p> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> <li> <p> <code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume.</p> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> <li> <p> <code>dns-name</code> - The public DNS name of the instance.</p> <li> <p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</p> <li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</p> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</p> <li> <p> <code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>).</p> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.</p> <li> <p> <code>image-id</code> - The ID of the image used to launch the instance.</p> <li> <p> <code>instance-id</code> - The ID of the instance.</p> <li> <p> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (<code>spot</code> | <code>scheduled</code>).</p> <li> <p> <code>instance-state-code</code> - The state of the instance, as a 16-bit unsigned integer. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> <li> <p> <code>ip-address</code> - The public IPv4 address of the instance.</p> <li> <p> <code>kernel-id</code> - The kernel ID.</p> <li> <p> <code>key-name</code> - The name of the key pair used when the instance was launched.</p> <li> <p> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</p> <li> <p> <code>launch-time</code> - The time that the instance was launched.</p> <li> <p> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</p> <li> <p> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address of the network interface.</p> <li> <p> <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface.</p> <li> <p> <code>network-interface.association-public-ip</code> - The owner ID of the private IPv4 address associated with the network interface.</p> <li> <p> <code>network-interface.association-public-ip</code> - The owner ID of the network interface associated with the private IPv4 address.</p> <li> <p> <code>network-interface.association-public-ip</code> - The owner ID of the network interface associated with the private IPv4 address.</p> <li> <p> <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment.</p> <li> <p> <code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.status</code> - The status of the attachment.</p> <li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> <li> <p> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</p> <li> <p> <code>network-interface.description</code> - The description of the network interface.</p> <li> <p> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.
name</code> - The name of a security group associated with the network interface.</p> <li> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.</li> <li> <code>network-interface.mac-address</code> - The MAC address of the network interface.</li> <li> <code>network-interface.network-interface-id</code> - The ID of the network interface.</li> <li> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</li> <li> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</li> <li> <code>network-interface.requester-id</code> - The requester ID for the network interface.</li> <li> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</li> <li> <code>network-interface.status</code> - The status of the network interface.</li> <li> <code>reserved-instance-end</code> - The end date of the reserved instance.</li> <li> <code>reserved-instance-start</code> - The start date of the reserved instance.</li> <li> <code>scope-name</code> - The scope name of the reserved instance.</li> <li> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</li> <li> <code>state-reason-code</code> - The reason code for the state change.</li> <li> <code>state-reason-message</code> - A message that describes the state change.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value=X</code> for the filter value. (Regardless of what the tag's value is, and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose=X</code> filter.)
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <code>tenant</code> - The tenancy of an instance</li> <li> <code>dedicated</code> | <code>default</code> | <code>host</code></li> <li> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>).</li> <li> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</li> 

"enumType" : null,

"fluentSetterDocumentation" : "/**One or more filters.</li> <ul> <li> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>). The affinity setting returned when the instance network interface was associated with an IPv4 address.</li> <li> <code>availability-zone</code> - The Availability Zone of the instance.</li> <li> <code>block-device-mapping</code> - The ID of the EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.

- The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.
- The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.
- The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.
- A Boolean that indicates whether the EBS volume is deleted on instance termination.
- The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/dev/xvdh</code>).</li> <li> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/dev/xvdh</code>).</li> <li> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</li> <li> <code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume.</li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li> <li> <code>dns-name</code> - The public DNS name of the instance.</li> <li> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</li> <li> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</li> <li> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</li> <li> <code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>).</li> <li> <code>iam-instance-profile.arn</code> - The instance profile associated with an ARN.</li> <li> <code>image-id</code> - The ID of the image used to launch the instance.</li> <li> <code>instance-id</code> - The ID of the instance.</li> <li> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance.</li> <li> <code>ip-address</code> - The public IPv4 address of the instance.</li> <li> <code>kernel-id</code> - The kernel ID.</li> <li> <code>key-name</code> - The name of the key pair used when the instance was launched.</li> <li> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</li> <li> <code>launch-time</code> - The time when the instance was launched.</li> <li> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled.</li> <li> <code>ip-address</code> - The public IPv4 address of the instance.</li> <li> <code>kernel-id</code> - The kernel ID.</li> <li> <code>key-name</code> - The name of the key pair used when the instance was launched.</li> <li> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</li> <li> <code>launch-time</code> - The time when the instance was launched.</li> <li> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled.
<code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface. 

- <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface.
- <code>network-interface.addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface.
- <code>network-interface.association.attachment-id</code> - The ID of the interface attachment.
- <code>network-interface.association.instance-id</code> - The ID of the instance to which the network interface is attached.
- <code>network-interface.association.device-index</code> - The device index to which the network interface is attached.
- <code>network-interface.association.public-ip</code> - Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.
- <code>network-interface.association.public-ip-owner-id</code> - The owner ID of the instance to which the network interface is attached.

- <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment.
- <code>network-interface.attachment.attach-time</code> - The time that the network interface was attached to an instance.
- <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.
- <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.
- <code>network-interface.description</code> - The description of the network interface.
- <code>network-interface.device-index</code> - The device index to which the network interface is attached.
- <code>network-interface.owner-id</code> - The ID of the owner of the network interface.
- <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.
- <code>network-interface.query-tag</code> - The private DNS name of the network interface.
- <code>network-interface.requester-id</code> - The requester ID for the network interface.
- <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.
- <code>network-interface.status</code> - The status of the network interface.
- <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.
- <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.
- <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.
- <code>owner-id</code> - The AWS account ID of the instance owner.
- <code>placement-group-name</code> - The name of the placement group for the instance.
- <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.
- <code>private-dns-name</code> - The private IPv4 DNS name of the instance.
- <code>ramdisk-id</code> - The RAM disk ID.
- <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.
- <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).
- <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch
multiple instances using the same launch request. For example, if you launch one instance, you’ll get one reservation ID. If you launch ten instances using the same launch request, you’ll also get one reservation ID.

- The name of the root device for the instance (for example, /dev/sda1 or /dev/xvda).</li>
- The type of root device that the instance uses (ebs | instance-store).

- Indicates whether the instance performs source/destination checking. A value of true means that checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC.

- The ID of the Spot instance request.

- The reason code for the state change.

- A message that describes the state change.

- The ID of the subnet for the instance.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:Purpose filter.

- The value of a tag assigned to the resource. This filter is independent of the tag-key filter. This filter is independent of the tag:Value filter.

- The ID of the VPC that the instance is running in.

- The virtualization type of the instance (paravirtual | hvm).

- The status for the EBS volume (attaching | attached | detaching | detached).

- The volume ID of the EBS volume.

- The idempotency token you provided when you launched the instance.

- The Public DNS name of the instance.

- The ID of the security group for the instance. EC2-Classic only.

- The name of the security group for the instance. EC2-Classic only.

- The ID of the Dedicated Host on which the instance is running, if applicable.

- The hypervisor type of the instance (ovm | xen).

- The instance profile associated with the instance. Specified as an ARN.
The ID of the image used to launch the instance.

- The ID of the state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

- The ID of the instance launched by the instance.

- The ID of the security group for the instance.

- The name of the security group for the instance.

- The public IPv4 address of the instance.

- The kernel ID.

- The name of the key pair used when the instance was launched.

- When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).

- The time when the instance was launched.

- Indicates whether detailed monitoring is enabled.

- The ID of the association of an Elastic IP address (IPv4) with a network interface.

- The owner ID of the private IPv4 address associated with the network interface.

- The ID of the interface attachment.

- The ID of the instance to which the network interface is attached.

- The owner ID of the instance to which the network interface is attached.

- The status of the attachment.

- Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.

- The ID of the association of an Elastic IP address (IPv4) with a network interface.

- The owner ID of the private IPv4 address associated with the network interface.

- The status of the network interface.

- Whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled.
disabled. The value must be \texttt{false} for the network interface to perform network address translation (NAT) in your VPC.

- \texttt{network-interface.subnet-id} - The ID of the subnet for the network interface.
- \texttt{network-interface.vpc-id} - The ID of the VPC for the network interface.
- \texttt{owner-id} - The AWS account ID of the instance owner.
- \texttt{placement-group-name} - The name of the placement group for the instance.
- \texttt{platform} - The platform. Use \texttt{windows} if you have Windows instances; otherwise, leave blank.
- \texttt{private-dns-name} - The private IPv4 DNS name of the instance.
- \texttt{private-ip-address} - The private IPv4 address of the instance.
- \texttt{product-code} - The product code associated with the AMI used to launch the instance.
- \texttt{product-code.type} - The type of product code (\texttt{devpay} | \texttt{marketplace}).
- \texttt{ramdisk-id} - The RAM disk ID.
- \texttt{reason} - The reason for the current state of the instance (for example, \texttt{"User Initiated [date]\" when you stop or terminate the instance}). Similar to the state-reason-code filter.
- \texttt{reservation-id} - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get ten reservation IDs.
- \texttt{root-device-name} - The name of the root device for the instance (for example, \texttt{dev/sda1} or \texttt{dev/xvda}).
- \texttt{source-dest-check} - Indicates whether the instance performs source/destination checking. A value of \texttt{true} means that checking is enabled, and \texttt{false} means checking is disabled. The value must be \texttt{false} for the instance to perform network address translation (NAT) in your VPC.
- \texttt{spot-instance-request-id} - The ID of the Spot instance request.
- \texttt{state-reason-code} - The reason code for the state change.
- \texttt{state-reason-message} - A message that describes the state change.
- \texttt{subnet-id} - The ID of the subnet for the instance.
- \texttt{tag}:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag \texttt{Purpose=X}, specify \texttt{tag:Purpose} for the filter name and \texttt{X} for the filter value.
- \texttt{tag-key} - The key of a tag assigned to the resource. This filter is independent of the \texttt{tag-value} filter. For example, if you use both the filter \texttt{"tag-key=Purpose"} and the filter \texttt{"tag-value=X"}, you get any resources assigned both the tag key \texttt{Purpose} (regardless of what the tag's value is), and the tag value \texttt{X} (regardless of what the tag's key is). If you want to list only resources where \texttt{Purpose} is \texttt{X}, see the \texttt{tag} filter.
- \texttt{tenancy} - The tenancy of an instance (\texttt{dedicated} | \texttt{default} | \texttt{host}).
- \texttt{virtualization-type} - The virtualization type of the instance (\texttt{paravirtual} | \texttt{hvm}).
- \texttt{vpc-id} - The ID of the VPC that the instance is running in.

\begin{verbatim}
/**<p>One or more filters.</p>

- \texttt{affinity} - The affinity setting for an instance running on a Dedicated Host (\texttt{default} | \texttt{host}).
- \texttt{architecture} - The instance architecture (\texttt{i386} | \texttt{x86_64}).
- \texttt{association.public-ip} - The address of the Elastic IP address (IPv4) bound to the network interface.
- \texttt{association.ip-owner-id} - The owner of the Elastic IP address

\end{verbatim}
combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. `<p>` `<li>` `<p>` `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `<tag-key=Purpose>` and the filter `<tag-value=X>`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter. `<p>` `<li>` `<p>` `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. `<p>` `<li>` `<p>` `<code>tag:tenancy</code>` - The tenancy of an instance (`<code>dedicated</code>` | `<code>default</code>` | `<code>host</code>`). `<p>` `<li>` `<p>` `<code>tag:virtualization-type</code>` - The virtualization type of the instance (`<code>paravirtual</code>` | `<code>hvm</code>`). `<p>` `<li>` `<p>` `<code>vpc-id</code>` - The ID of the VPC that the instance is running in. `<p>` `<li>` `<p>` `<code>tag:ip-address</code>` - The public IPv4 address of the instance. `<p>` `<li>` `<p>` `<code>tag:kernel-id</code>` -
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>key-name</td>
<td>The name of the key pair used when the instance was launched.</td>
</tr>
<tr>
<td>launch-index</td>
<td>When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</td>
</tr>
<tr>
<td>launch-time</td>
<td>The time when the instance was launched.</td>
</tr>
<tr>
<td>monitoring-state</td>
<td>Indicates whether detailed monitoring is enabled.</td>
</tr>
<tr>
<td>network-interface.addresses.private-ip-address</td>
<td>The private IPv4 address associated with the network interface.</td>
</tr>
<tr>
<td>network-interface.addresses.primary</td>
<td>Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.</td>
</tr>
<tr>
<td>network-interface.addresses.association.public-ip</td>
<td>The ID of the association of an Elastic IP address (IPv4) with a network interface.</td>
</tr>
<tr>
<td>network-interface.addresses.association.ip-owner-id</td>
<td>The owner ID of the private IPv4 address associated with the network interface.</td>
</tr>
<tr>
<td>network-interface.attachment.attachment-id</td>
<td>The ID of the interface attachment.</td>
</tr>
<tr>
<td>network-interface.attachment.owner-id</td>
<td>The owner ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>network-interface.attachment.device-index</td>
<td>The device index to which the network interface is attached.</td>
</tr>
<tr>
<td>network-interface.attachment.association</td>
<td>- The Availability Zone for the network interface.</td>
</tr>
<tr>
<td>network-interface.addresses.ipv6-address</td>
<td>The IPv6 address associated with the network interface.</td>
</tr>
<tr>
<td>network-interface.mac-address</td>
<td>The MAC address of the network interface.</td>
</tr>
<tr>
<td>network-interface.owner-id</td>
<td>The ID of the owner of the network interface.</td>
</tr>
<tr>
<td>network-interface.private-dns-name</td>
<td>The private DNS name of the network interface.</td>
</tr>
<tr>
<td>network-interface.requester-id</td>
<td>The requester ID for the network interface.</td>
</tr>
<tr>
<td>network-interface.requester-managed</td>
<td>Indicates whether the network interface is being managed by AWS.</td>
</tr>
<tr>
<td>network-interface.status</td>
<td>The status of the network interface.</td>
</tr>
<tr>
<td>network-interface.source-dest-check</td>
<td>- Whether the network interface performs source/destination checking.</td>
</tr>
<tr>
<td>private-dns-name</td>
<td>A value of &lt;code&gt;true&lt;/code&gt; means checking is enabled, and &lt;code&gt;false&lt;/code&gt; means checking is disabled.</td>
</tr>
<tr>
<td>product-code.type</td>
<td>- The type of product code.</td>
</tr>
<tr>
<td>product-code</td>
<td>- The product code associated with the AMI used to launch the instance.</td>
</tr>
<tr>
<td>marketplace</td>
<td>- The RAM disk ID.</td>
</tr>
<tr>
<td>ramdisk-id</td>
<td>- The RAM disk ID.</td>
</tr>
</tbody>
</table>
| reason                                    | - The reason for the current state of the instance (for example, shows "User Initiated..."
when you stop or terminate the instance). Similar to the state-reason-code filter. 

- The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).
- The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.

- The name of the root device for the instance (for example, 

- The type of root device that the instance uses (ebs | instance-store).

- Indicates whether the instance performs source/destination checking. A value of true means that checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC.

- The ID of the Spot instance request.

- The reason code for the state change.

- A message that describes the state change.

- The ID of the subnet for the instance.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

- The tenancy of an instance (dedicated | default | host).

- The virtualization type of the instance (paravirtual | hvm).

- The ID of the VPC that the instance is running in.
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Filter",
      "variableName" : "member",
      "variableType" : "Filter",
    }
  }
}
}
id</code> - The volume ID of the EBS volume.</p>  

<li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>  

<li> <code>dns-name</code> - The public DNS name of the instance.</li>  

<li> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</li>  

<li> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</li>  

<li> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</li>  

<li> <code>hypervisor</code> - The hypervisor type of the instance.</li>  

<li> <code>image-id</code> - The ID of the image used to launch the instance. Specified as an ARN.</li>  

<li> <code>image-state</code> - The state of the image, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</li>  

<li> <code>instance-state-name</code> - The state of the instance (for example, <code>pending</code>, <code>running</code>, <code>terminated</code>, <code>stopping</code>, and <code>stopped</code>).</li>  

<li> <code>instance-type</code> - The type of instance (for example, <code>t2.micro</code>).</li>  

<li> <code>ip-address</code> - The public IPv4 address of the instance.</li>  

<li> <code>kernel-id</code> - The kernel ID.</li>  

<li> <code>key-name</code> - The name of the key pair used when the instance was launched.</li>  

<li> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</li>  

<li> <code>launch-time</code> - The time when the instance was launched.</li>  

<li> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (<code>disabled</code> | <code>enabled</code>). The device index to which the network interface is attached. The device index to which the network interface is attached.</li>  

<li> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</li>  

<li> <code>network-interface.addresses.primary</code> - Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.</li>  

<li> <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface.</li>  

<li> <code>network-interface.attachment.attachment-id</code> - The ID of the attachment.</li>  

<li> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</li>  

<li> <code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</li>  

<li> <code>network-interface.attachment.status</code> - The status of the attachment.</li>  

<li> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</li>  

<li> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</li>  

<li> <code>network-interface.description</code> - The description of the network interface.</li>  

<li> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.</li>  

<li> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.</li>  

<li> <code>network-interface.mac-address</code> - The MAC address of the network interface.</li>  

The ID of the VPC that the instance is running in.

The affinity setting for an instance running on a Dedicated Host.

The instance architecture.

The address of the Elastic IP address (IPv4) bound to the network interface.

The owner of the Elastic IP address (IPv4) associated with the network interface.

The association ID returned when you allocated the Elastic IP address (IPv4) for your network interface.

The association ID returned when the network interface was associated with an IPv4 address.

The Availability Zone of the instance.

The attach time for an EBS volume mapped to the instance, for example, 2010-09-15T17:15:20.000Z.

Whether the EBS volume is deleted on instance termination.

The device name for the EBS volume.

The status for the EBS volume.

The volume ID of the EBS volume.

The idempotency token you provided when you launched the instance.

The public DNS name of the instance.

The ID of the security group for the instance.

The ID of the image used to launch the instance.

The launch index for the instance in the launch group.

The time when the instance was launched.

Indicates whether detailed monitoring is enabled.

The private IPv4 address associated with the network interface.

Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.

The ID of the association of an Elastic IP address (IPv4) with a network interface.

The owner ID of the private IPv4 address associated with the network interface.
interface.attachment.attachment-id</code> - The ID of the interface attachment. 
</p> <li> <code>interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached. 
</li> <li> <code>interface.attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. 
</li> <li> <code>interface.attachment.device-index</code> - The device index to which the network interface is attached. 
</li> <li> <code>interface.attachment.attach-time</code> - The time that the network interface was attached to an instance. 
</li> <li> <code>interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated. 
</li> <li> <code>interface.attachment.availability-zone</code> - The Availability Zone for the network interface. 
</li> <li> <code>interface.attachment.group-id</code> - The ID of a security group associated with the network interface. 
</li> <li> <code>interface.attachment.group-name</code> - The name of a security group associated with the network interface. 
</li> <li> <code>interface.attachment.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface. 
</li> <li> <code>interface.attachment.mac-address</code> - The MAC address of the network interface. 
</li> <li> <code>interface.attachment.owner-id</code> - The ID of the owner of the network interface. 
</li> <li> <code>interface.attachment.private-dns-name</code> - The private DNS name of the network interface. 
</li> <li> <code>interface.attachment.requester-id</code> - The requester ID for the network interface. 
</li> <li> <code>interface.attachment.requester-managed</code> - Indicates whether the network interface is being managed by AWS. 
</li> <li> <code>interface.attachment.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> for the network interface to perform network address translation (NAT) in your VPC. 
</li> <li> <code>interface.attachmentsubnet-id</code> - The ID of the subnet for the network interface. 
</li> <li> <code>interface.attachment.vpc-id</code> - The ID of the VPC for the network interface. 
</li> <li> <code>owner-id</code> - The AWS account ID of the instance owner. 
</li> <li> <code>placement-group-name</code> - The name of the placement group for the instance. 
</li> <li> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank. 
</li> <li> <code>private-dns-name</code> - The private IPv4 DNS name of the instance. 
</li> <li> <code>private-ip-address</code> - The private IPv4 address of the instance. 
</li> <li> <code>product-code</code> - The product code associated with the AMI used to launch the instance. 
</li> <li> <code>ramdisk-id</code> - The RAM disk ID. 
</li> <li> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter. 
</li> <li> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). 
</li> <li> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID. 
</li> <li> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). 
</li> <li> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). 
</li> <li> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of
true means that checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC. The ID of the Spot instance request.

The reason code for the state change.

A message that describes the state change.

The ID of the subnet for the instance.

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

The ID of the VPC that the instance is running in.

The ID of the security group for the instance. EC2-Classic only.

The device name for the EBS volume (for example, /dev/sdh0 or /dev/xvdh). The status for the EBS volume.

The volume ID of the EBS volume.

The idempotency token you provided when you launched the instance.

The Public DNS name of the instance.
<li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</p> </li> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>). </p> </li> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.</p> </li> <li> <p> <code>image-id</code> - The ID of the image used to launch the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (<code>spot</code>) | (<code>scheduled</code>). </p> </li> <li> <p> <code>instance-state-code</code> - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> </li> <li> <p> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>t2.micro</code>).</p> </li> <li> <p> <code>ip-address</code> - The public IPv4 address of the instance.</p> </li> <li> <p> <code>kernel-id</code> - The kernel ID.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair used when the instance was launched.</p> </li> <li> <p> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</p> </li> <li> <p> <code>launch-time</code> - The time when the instance was launched.</p> </li> <li> <p> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (<code>disabled</code> | <code>enabled</code>).</p> </li> <li> <p> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</p> </li> <li> <p> <code>network-interface.addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface.</p> </li> <li> <p> <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>network-interface.attachment.attachment-instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>network-interface.attachment.attachment-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>network-interface.attachment.attachment-status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li> <li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</p> </li> <li> <p> <code>network-interface.description</code> - The description of the network interface.</p> </li> <li> <p> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.</p> </li> <li> <p> <code>network-interface.mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</p> </li> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> </li> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the
- Indicates whether the network interface is being managed by AWS. 
- The status of the network interface. 
- The name of the placement group for the instance. 
- The platform. Use `windows` if you have Windows instances; otherwise, leave blank. 
- The product code associated with the AMI used to launch the instance. 
- The type of product code. 
- The RAM disk ID. 
- The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). 
- Indicates whether the instance performs source/destination checking. A value of `true` means checking is enabled, and `false` means checking is disabled. The value must be `false` for the instance to perform network address translation (NAT) in your VPC. 
- The ID of the subnet for the network interface. 
- The ID of the VPC for the network interface. 
- The name of the placement group for the instance. 
- The ID of the VPC for the network interface. 
- The AWS account ID of the instance owner. 
- The name of the placement group for the instance. 
- The private IPv4 DNS name of the instance. 
- The private IPv4 address of the instance.
values.</p>

```html
<ul>
  <li>
    <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>). </li>
  <li>
    <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>). </li>
  <li>
    <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. </li>
  <li>
    <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. </li>
  <li>
    <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. </li>
  <li>
    <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address. </li>
  <li>
    <code>availability-zone</code> - The Availability Zone of the instance. </li>
  <li>
    <code>block-device-mapping.associate-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>. </li>
  <li>
    <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination. </li>
  <li>
    <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>). </li>
  <li>
    <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </li>
  <li>
    <code>client-token</code> - The idempotency token you provided when you launched the instance. </li>
  <li>
    <code>dns-name</code> - The public DNS name of the instance. </li>
  <li>
    <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only. </li>
  <li>
    <code>group-name</code> - The name of the security group for the instance. EC2-Classic only. </li>
  <li>
    <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable. </li>
  <li>
    <code>hypervisor</code> - The hypervisor type of the instance (e.g., <code>ovm</code> | <code>xen</code>). </li>
  <li>
    <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN. </li>
  <li>
    <code>image-id</code> - The ID of the image used to launch the instance. </li>
  <li>
    <code>instance-id</code> - The ID of the instance. </li>
  <li>
    <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (<code>spot</code> | <code>scheduled</code>). </li>
  <li>
    <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>). </li>
  <li>
    <code>ip-address</code> - The public IPv4 address of the instance. </li>
  <li>
    <code>kernel-id</code> - The kernel ID. </li>
  <li>
    <code>key-name</code> - The name of the key pair used when the instance was launched. </li>
  <li>
    <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on). </li>
  <li>
    <code>launch-time</code> - The time when the instance was launched. </li>
  <li>
    <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (<code>disabled</code> | <code>enabled</code>). </li>
  <li>
    <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface. </li>
  <li>
    <code>network-interface.addresses.primary</code> - Specifies whether the IPv4 address of the network interface is the primary IPv4 address. </li>
  <li>
    <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface. </li>
  <li>
    <code>network-interface.addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface. </li>
  <li>
    <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment. </li>
</ul>
```
<code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</li> <li> <p> <code>network-interface.attachment.owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>network-interface.attachment.status</code> - The status of the attachment (attaching | detached).</p> </li> <li> <p> <code>network-interface.attachment.attach-time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</p> </li> <li> <p> <code>network-interface.description</code> - The description of the network interface.</p> </li> <li> <p> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.</p> </li> <li> <p> <code>network-interface.mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</p> </li> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> </li> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface.</p> </li> <li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</p> </li> <li> <p> <code>network-interface.status</code> - The status of the network interface (available | in-use).</p> </li> <li> <p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of false means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> </li> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>network-interface.owner-id</code> - The AWS account ID of the instance owner.</p> </li> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</p> </li> <li> <p> <code>platform</code> - The platform. Use windows if you have Windows instances; otherwise, leave blank.</p> </li> <li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address of the instance.</p> </li> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> </li> <li> <p> <code>product-code.type</code> - The type of product code (devpay | marketplace | ramdisk-id).</p> </li> <li> <p> <code>product-code.reason</code> - The reason for the current state of the instance (for example, shows User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID. However, if you launch ten instances using the same launch request, you'll also get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, /dev/sda1 or /dev/xvda).</p> </li> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (ebs | instance-store).</p> </li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of true means that checking is enabled, and false means checking is disabled. The value
must be false for the instance to perform network address translation (NAT) in your VPC. </li><li> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</li><li> <code>state-reason-code</code> - The reason code for the state change.</li><li> <code>state-reason-message</code> - A message that describes the state change.</li><li> <code>subnet-id</code> - The ID of the subnet for the instance.</li><li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li><li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</li><li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filters "tag-key=Name" and the filter "Name=X", you get any resources assigned both the tag key Name and the tag value X.</li>
network interface.</li> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</li> <li> <p> <code>owner-id</code> - The AWS account ID of the instance owner.</li> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</li> <li> <p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</li> <li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</li> <li> <p> <code>private-ip-address</code> - The private IPv4 address of the instance.</li> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</li> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</li> <li> <p> <code>network-interface.id</code> - The ID of the network interface.</li> <li> <p> <code>product-code.type</code> - The type of product code (<code>devpay</code> | <code>marketplace</code>).</li> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</li> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</li> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created every time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</li> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/xvda</code>).</li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.</li> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</li> <li> <p> <code>state-reason-message</code> - A message that describes the state change.</li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter.</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <p> <code>tag:tenancy</code> - The tenancy of an instance.</li> <li> <p> <code>virtualization-type</code> - The virtualization type of the instance.</li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.
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@<param name="maxResults" The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.&lt;/code&gt;
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@<return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.*"/",
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"
interface.attachment.attachment-id</p> - The ID of the interface attachment.</li> <li> <p> <code>interface.attachment.attachment-instance-id</code> - The ID of the instance to which the network interface is attached.</p> <li> <p> <code>interface.attachment.attachment-instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> <li> <p> <code>interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> <li> <p> <code>interface.attachment.status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> <li> <p> <code>interface.attachment.detach-time</code> - The time that the network interface was detached from an instance.</p> <li> <p> <code>interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> <li> <p> <code>interface.attachment.attachment-id</code> - The ID of the interface attachment.</p> <li> <p> <code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> <li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> <li> <p> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</p> <li> <p> <code>network-interface.description</code> - The description of the network interface.</p> <li> <p> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.</p> <li> <p> <code>network-interface.group-name</code> - The name of a security group associated with the network interface.</p> <li> <p> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.</p> <li> <p> <code>network-interface.mac-address</code> - The MAC address of the network interface.</p> <li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface.</p> <li> <p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</p> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface.</p> <li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</p> <li> <p> <code>network-interface.status</code> - The status of the network interface (<code>available</code> | <code>in-use</code>).</p> <li> <p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled.</p> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</p> <li> <p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p> <li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p> <li> <p> <code>private-ip-address</code> - The private IPv4 address of the instance.</p> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> <li> <p> <code>product-code.type</code> - The type of product code (<code>devpay</code> | <code>marketplace</code>).</p> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows \"User Initiated [date]\" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get ten reservation IDs.</p> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/nvda</code>).</p> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>).</p> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of
true means that checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC.

- The ID of the Spot instance request.
- The reason code for the state change.
- A message that describes the state change.
- The ID of the subnet for the instance.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter tag-key=Purpose and the filter tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the code tag:<i>key</i>=<i>value</i> filter.
- The tag-value for the tag assigned to the resource. This filter is independent of the code tag-key filter.
- The tenancy of an instance.
- The address of the Elastic IP address (IPv4) bound to the network interface.
- The address of the Elastic IP address (IPv4) associated with the network interface.
- The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.
- The status of the EBS volume for the Elastic Block Store (EBS) volume.
- The IDempotency token you provided when you launched the instance.
- The public DNS name of the instance.
- The ID of the security group for the instance. EC2-Classic only.
- The name of the security group for the instance. EC2-Classic only.
- The ID of the Dedicated Host on which the instance is running, if applicable.
- The hypervisor type of the instance (code:ovm) with the instance. Specified as an ARN.
- The ID of the image used to launch the instance.
- The ID of the instance.
- Indicates whether this is a Spot Instance or a Scheduled Instance.
- The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored.
low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).
<p><code>placement-group-name</code> - The name of the placement group for the instance.</p>

<p><code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p>

<p><code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p>

<p><code>private-ip-address</code> - The private IPv4 address of the instance.</p>

<p><code>product-code</code> - The product code associated with the AMI used to launch the instance.</p>

<p><code>product-code.type</code> - The type of product code.</p>

<p><code>placement-group-name</code> - The name of the placement group for the instance.</p>

<p><code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p>

<p><code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p>

<p><code>private-ip-address</code> - The private IPv4 address of the instance.</p>

<p><code>product-code</code> - The product code associated with the AMI used to launch the instance.</p>

<p><code>product-code.type</code> - The type of product code.</p>

<p><code>placement-group-name</code> - The name of the placement group for the instance.</p>

<p><code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p>

<p><code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p>

<p><code>private-ip-address</code> - The private IPv4 address of the instance.</p>

<p><code>product-code</code> - The product code associated with the AMI used to launch the instance.</p>

<p><code>product-code.type</code> - The type of product code.</p>

<p><code>placement-group-name</code> - The name of the placement group for the instance.</p>

<p><code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p>

<p><code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p>

<p><code>private-ip-address</code> - The private IPv4 address of the instance.</p>

<p><code>product-code</code> - The product code associated with the AMI used to launch the instance.</p>

<p><code>product-code.type</code> - The type of product code.</p>
device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.</li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p> </li> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li> <li> <p> <code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume.</p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li> <li> <p> <code>dns-name</code> - The public DNS name of the instance.</p> </li> <li> <p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</p> </li> <li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</p> </li> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</p> </li> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN. </p> </li> <li> <p> <code>image-id</code> - The ID of the image used to launch the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (only EC2). </p> </li> <li> <p> <code>instance-state-code</code> - The state of the instance, as a 16-bit unsigned integer. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> </li> <li> <p> <code>instance-state-name</code> - The state of the instance (for example, <code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>). </p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>t2.micro</code>).</p> </li> <li> <p> <code>ip-address</code> - The public IPv4 address of the instance.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair used when the instance was launched.</p> </li> <li> <p> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</p> </li> <li> <p> <code>launch-time</code> - The time when the instance was launched.</p> </li> <li> <p> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (disabled | enabled). </p> </li> <li> <p> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</p> </li> <li> <p> <code>network-interface.addresses.primary</code> - Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.</p> </li> <li> <p> <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface.</p> </li> <li> <p> <code>network-interface.addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface.</p> </li> <li> <p> <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>network-interface.attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>network-interface.attachment.attachment-status</code> - The status of the attachment (attaching | attaching | detached | detached). </p> </li> <li> <p> <code>network-interface.attachment.attachment.time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</p> </li> <li> <p> <code>network-interface.description</code> - The description of the network interface.</p> </li> <li> <p> <code>network-interface.group-id</code> - The ID of a
only resources where Purpose is X, see the \texttt{<code>tag</code>:<i>key</i>=<i>value</i>} filter. 

- The value of a tag assigned to the resource. This filter is independent of the \texttt{tag-key} filter.

\texttt{<code>tag-value</code>} - The tenancy of an instance

- The tenancy of an instance

\texttt{<code>tenant</code>} - The virtualization type of the instance

- The virtualization type of the instance

\texttt{<code>virtualization-type</code>} - The ID of the VPC that the instance is running in.

\texttt{<code>vpc-id</code>} - The reference to this object so that method calls can be chained together."",

"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**\p

\texttt{<code>affinity</code>} - The affinity setting for an instance running on a Dedicated Host

\texttt{<code>association</code>} - The association between the instance and the VPC

\texttt{<code>availability-zone</code>} - The Availability Zone of the instance.

\texttt{<code>block-device-mapping</code>} - The attach time for an EBS volume

\texttt{<code>block-device-mapping.delete-on-termination</code>} - A Boolean that indicates whether the EBS volume is deleted on instance termination.

\texttt{<code>block-device-mapping.device-name</code>} - The device name for the EBS volume.

\texttt{<code>block-device-mapping.status</code>} - The status for the EBS volume

\texttt{<code>client-token</code>} - The idempotency token provided when you launched the instance.

\texttt{<code>dns-name</code>} - The public DNS name of the instance.

\texttt{<code>group-id</code>} - The ID of the security group for the instance.

\texttt{<code>group-name</code>} - The name of the security group for the instance.

\texttt{<code>host-id</code>} - The ID of the Dedicated Host on which the instance is running, if applicable.

\texttt{<code>hypervisor</code>} - The hypervisor type of the instance

\texttt{<code>iam-instance-profile.arn</code>} - The ARN of the instance profile.

\texttt{<code>image-id</code>} - The ID of the image used to launch the instance.

\texttt{<code>instance-id</code>} - The ID of the instance.

\texttt{<code>instance-lifecycle</code>} - Indicates whether this is a Spot Instance or a Scheduled Instance.

\texttt{<code>instance-state-name</code>} - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

\texttt{<code>ip-address</code>} - The public IPv4 address of the instance.

\texttt{<code>kernel-id</code>} - The kernel ID.

\texttt{<code>key-name</code>} - The name of the key pair used when the instance was launched.

\texttt{<code>launch-index</code>} - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).

\texttt{<code>launch-time</code>} - The time when the instance was launched.
detailed monitoring is enabled (<code>disabled</code> | <code>enabled</code>).</p> 

- The private IPv4 address associated with the network interface.</li>  
<h4>network-interface.addresses.private-ip-address</h4> 
- The private IPv4 address is the primary private IPv4 address.</li>  
<h4>network-interface.addresses.association.public-ip</h4> 
- The ID of the association of an Elastic IP address (IPv4) with a network interface.</li>  
<h4>network-interface.addresses.association.ip-owner-id</h4> 
- The owner ID of the private IPv4 address associated with the network interface.</li>  
<h4>network-interface.attachment.attachment-id</h4> 
- The ID of the interface attachment.</li>  
<h4>network-interface.attachment.instance-id</h4> 
- The ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.attachment.instance-owner-id</h4> 
- The owner ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.addresses.private-ip-address</h4> 
- The private IPv4 address associated with the network interface.</li>  
<h4>network-interface.addresses.association.public-ip</h4> 
- The ID of the association of an Elastic IP address (IPv4) with a network interface.</li>  
<h4>network-interface.addresses.association.ip-owner-id</h4> 
- The owner ID of the private IPv4 address associated with the network interface.</li>  
<h4>network-interface.attachment.attachment-id</h4> 
- The ID of the interface attachment.</li>  
<h4>network-interface.attachment.instance-id</h4> 
- The ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.attachment.instance-owner-id</h4> 
- The owner ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.addresses.private-ip-address</h4> 
- The private IPv4 address associated with the network interface.</li>  
<h4>network-interface.addresses.association.public-ip</h4> 
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<h4>network-interface.addresses.association.ip-owner-id</h4> 
- The owner ID of the private IPv4 address associated with the network interface.</li>  
<h4>network-interface.attachment.attachment-id</h4> 
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<h4>network-interface.attachment.instance-id</h4> 
- The ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.attachment.instance-owner-id</h4> 
- The owner ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.addresses.private-ip-address</h4> 
- The private IPv4 address associated with the network interface.</li>  
<h4>network-interface.addresses.association.public-ip</h4> 
- The ID of the association of an Elastic IP address (IPv4) with a network interface.</li>  
<h4>network-interface.addresses.association.ip-owner-id</h4> 
- The owner ID of the private IPv4 address associated with the network interface.</li>  
<h4>network-interface.attachment.attachment-id</h4> 
- The ID of the interface attachment.</li>  
<h4>network-interface.attachment.instance-id</h4> 
- The ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.attachment.instance-owner-id</h4> 
- The owner ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.addresses.private-ip-address</h4> 
- The private IPv4 address associated with the network interface.</li>  
<h4>network-interface.addresses.association.public-ip</h4> 
- The ID of the association of an Elastic IP address (IPv4) with a network interface.</li>  
<h4>network-interface.addresses.association.ip-owner-id</h4> 
- The owner ID of the private IPv4 address associated with the network interface.</li>  
<h4>network-interface.attachment.attachment-id</h4> 
- The ID of the interface attachment.</li>  
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<h4>network-interface.attachment.instance-owner-id</h4> 
- The owner ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.addresses.private-ip-address</h4> 
- The private IPv4 address associated with the network interface.</li>  
<h4>network-interface.addresses.association.public-ip</h4> 
- The ID of the association of an Elastic IP address (IPv4) with a network interface.</li>  
<h4>network-interface.addresses.association.ip-owner-id</h4> 
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<h4>network-interface.attachment.instance-id</h4> 
- The ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.attachment.instance-owner-id</h4> 
- The owner ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.addresses.private-ip-address</h4> 
- The private IPv4 address associated with the network interface.</li>  
<h4>network-interface.addresses.association.public-ip</h4> 
- The ID of the association of an Elastic IP address (IPv4) with a network interface.</li>  
<h4>network-interface.addresses.association.ip-owner-id</h4> 
- The owner ID of the private IPv4 address associated with the network interface.</li>  
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- The ID of the instance to which the network interface is attached.</li>  
<h4>network-interface.attachment.instance-owner-id</h4> 
- The owner ID of the instance to which the network interface is attached.
one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. If you launch ten instances using the same launch request, you’ll also get one reservation ID. </p> <li> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). </li> <li> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). </li> <li> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC. </li> <li> <code>spot-instance-request-id</code> - The ID of the Spot instance request. </li> <li> <code>state-reason-code</code> - The reason code for the state change. </li> <li> <code>state-reason-message</code> - A message that describes the state change. </li> <li> <code>subnet-id</code> - The ID of the subnet for the instance. </li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Purpose</code> for the filter value. </li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </li> <li> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>). </li> <li> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>). </li> <li> <code>vpc-id</code> - The ID of the VPC that the instance is running in. </li> <li> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. </li> <li> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. </li> <li> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. </li> <li> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address. </li> <li> <code>availability-zone</code> - The Availability Zone of the instance. </li> <li> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>. </li> <li> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination. </li> <li> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/dev/xvdh</code>). </li> <li> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </li> <li> <code>client-token</code> - The identity token you provided when you launched the instance. </li> <li> <code>dns-name</code> - The public DNS name of the instance. </li> <li> <code>group-id</code> - The ID of the security group for the instance. </li> <li> <code>group-name</code> - The name of the security group for the instance. </li> <li> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable. </li> <li> <code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>). </li> <li> <code>iam-instance-profile</code> -
The instance profile associated with the instance. Specified as an ARN. 

- The ID of the image used to launch the instance.</p> 

- The ID of the instance.</p> 

- The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). 

- The type of instance (for example, t2.micro). 

- The ID of the security group for the instance. 

- The name of the security group for the instance. 

- The public IPv4 address of the instance. 

- The kernel ID. 

- The name of the key pair used when the instance was launched. 

- When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on). 

- The time when the instance was launched. 

- Indicates whether detailed monitoring is enabled. 

- The primary IPv4 address associated with the network interface. 

- The device index to which the network interface is attached. 

- The availability zone for the network interface. 

- The description of the network interface. 

- The status of the attachment. 

- The network interface's attachment status. 

- The ID of the owner of the instance to which the network interface is attached. 

- The owner ID of the instance. 

- The MAC address of the network interface. 

- The status of the network interface. 

- The ID of the owner of the network interface. 

- The private DNS name of the network interface. 

- The status of the network interface. 

- Whether the network interface performs source/destination checking.
checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</li>
<li>
<code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</li>
<li>
<code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</li>
<li>
<code>owner-id</code> - The AWS account ID of the instance owner.</li>
<li>
<code>placement-group-name</code> - The name of the placement group for the instance.</li>
<li>
<code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</li>
<li>
<code>private-dns-name</code> - The private IPv4 DNS name of the instance.</li>
<li>
<code>private-ip-address</code> - The private IPv4 address of the instance.</li>
<li>
<code>ramdisk-id</code> - The RAM disk ID.</li>
<li>
<code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</li>
<li>
<code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</li>
<li>
<code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</li>
<li>
<code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</li>
<li>
<code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>).</li>
<li>
<code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.</li>
<li>
<code>spot-instance-request-id</code> - The ID of the Spot instance request.</li>
<li>
<code>state-reason-code</code> - The reason code for the state change.</li>
<li>
<code>state-reason-message</code> - A message that describes the state change.</li>
<li>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li>
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li>
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "uri" : false
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
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"name": "Member",
"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null,
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;affinity&lt;/code&gt; - The affinity setting for an instance running on a Dedicated Host (default: &lt;code&gt;default&lt;/code&gt; | &lt;code&gt;host&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;architecture&lt;/code&gt; - The instance architecture (&lt;code&gt;i386&lt;/code&gt; | &lt;code&gt;x86_64&lt;/code&gt;).&lt;/p&gt;"
message</code> - A message that describes the state change.</p> 

- <code>subnet-id</code> - The ID of the subnet for the instance.</p> 

- <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 

- <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

- <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 

- <code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 

- <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

- <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 

- <code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 

- <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

- <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
<code>instance.group-name</code> - The name of the security group for the instance. 

<code>ip-address</code> - The public IPv4 address of the instance. 

<code>key-name</code> - The name of the key pair used when the instance was launched. 

<code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on). 

<code>launch-time</code> - The time when the instance was launched. 

<code>monitoring-state</code> - Indicates whether detailed monitoring is enabled. 

<code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface. 

<code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface. 

<code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment. 

<code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface. 

<code>network-interface.mac-address</code> - The MAC address of the network interface. 

<code>network-interface.private-dns-name</code> - The private DNS name of the network interface. 

<code>network-interface.requester-id</code> - The requester ID for the network interface. 

<code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS. 

<code>placement-group-name</code> - The name of the placement group for the instance. 

<code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank. 

<code>private-dns-name</code> - The private IPv4 DNS name of the instance. 

<code>private-ip-address</code> - The private IPv4 address of the instance. 

<code>product-code</code> - The product code associated with the AMI used to launch the instance. 

<code>product-code.type</code> - The type of product code.
<code>marketplace</code>).</p> </li> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch a reservation. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). </p> </li> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>).</p> </li> <li> <p> <code>source_dest_check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>state-reason-message</code> - A message that describes the state change.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key=Purpose</code> filter. This filter is independent of the <code>tag-value</code> filter. Example: <code>tag:tag-key=Purpose</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>).</p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>). </p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</p> </li> 

"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"}
},
"simple" : false,
"varargSetterDocumentation" : "One or more filters.

"<code>architecture</code>" - The instance architecture (<code>i386</code> | <code>x86_64</code>).</p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>associationallocation-id</code> - The allocation ID returned when you allocated the Elastic IP address.
(IPv4) for your network interface.</p> 

- The availability zone 

- The association ID 

- The attachment status 

- The status of the EBS volume 

- The volume ID of the EBS volume 

- The public DNS name of the instance 

- The ID of the security group for the instance 

- The name of the security group for the instance 

- The ID of the Dedicated Host on which the instance is running, if applicable. 

- The hypervisor type of the instance 

- The instance profile associated with the instance. 

- The ID of the virtual network used to launch the instance. 

- The ID of the instance. 

- Indicates whether this is a Spot Instance or a Scheduled Instance 

- The state of the instance, as a 16-bit unsigned integer. 

- The low byte is set based on the state represented. 

- The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). 

- The type of instance for example, 

- The public IPv4 address of the instance 

- The private IPv4 address associated with the network interface. 

- The private IPv4 address associated with the network interface is the primary private IPv4 address. 

- The ID of the association of an Elastic IP address (IPv4) with a network interface. 

- The owner ID of the private IPv4 address associated with the network interface. 

- The ID of the interface attachment. 

- The ID of the instance to which the network interface is attached. 

- The owner ID of the instance to which the network interface is attached. 

- The device index to which the network interface is attached. 

- The status of the attachment.
the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

- `<code>tenancy</code>` - The tenancy of an instance (`<code>dedicated</code>` | `<code>default</code>` | `<code>host</code>`).

- `<code>virtualization-type</code>` - The virtualization type of the instance (`<code>paravirtual</code>` | `<code>hvm</code>`).

- `<code>vpc-id</code>` - The ID of the VPC that the instance is running in.

- `<code>association.association-id</code>` - The association ID returned when the network interface was associated with an Elastic IP address (IPv4) for your network interface.

- `<code>image-id</code>` - The ID of the image used to launch the instance.

- `<code>instance-state-name</code>` - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).
the EBS volume (for example, `<code>/dev/sdh</code>` or `<code>/dev/xvdh</code>`).

- `<code>block-device-mapping.status</code>`: The status for the EBS volume ( `<code>attaching</code>` | `<code>attached</code>` | `<code>detaching</code>` | `<code>detached</code>`).

- `<code>volume-id</code>`: The volume ID of the EBS volume.

- `<code>client-token</code>`: The idempotency token provided when you launched the instance.

- `<code>dns-name</code>`: The public DNS name of the instance.

- `<code>group-id</code>`: The ID of the security group for the instance.

- `<code>host-id</code>`: The ID of the Dedicated Host on which the instance is running, if applicable.

- `<code>hypervisor</code>`: The hypervisor type of the instance ( `<code>ovm</code>` | `<code>xen</code>` ).

- `<code>iam-instance-profile.arn</code>`: The instance profile associated with the instance. Specified as an ARN.

- `<code>image-id</code>`: The ID of the image used to launch the instance.

- `<code>instance-id</code>`: The ID of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

- `<code>instance-state-name</code>`: The state of the instance ( `<code>pending</code>` | `<code>running</code>` ).

- `<code>kernel-id</code>`: The kernel ID.

- `<code>key-name</code>`: The name of the key pair used when the instance was launched.

- `<code>launch-time</code>`: The time when the instance was launched.

- `<code>monitoring-state</code>`: Indicates whether detailed monitoring is enabled ( `<code>disabled</code>` | `<code>enabled</code>` ).

- `<code>network-interface.addresses.private-ip-address</code>`: The private IPv4 address associated with the network interface.

- `<code>network-interface.addresses.primary</code>`: Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.

- `<code>network-interface.addresses.association.public-ip</code>`: The ID of the association of an Elastic IP address (IPv4) with a network interface.

- `<code>network-interface.addresses.association.ip-owner-id</code>`: The owner ID of the private IPv4 address associated with the network interface.

- `<code>network-interface.attachment.attachment-id</code>`: The ID of the interface attachment.

- `<code>network-interface.attachment.attachment.owner-id</code>`: The ID of the instance to which the network interface is attached.

- `<code>network-interface.attachment.device-index</code>`: The device index to which the network interface is attached.


- `<code>network-interface.attachment.attach-time</code>`: The time that the network interface was attached to an instance.

- `<code>network-interface.attachment.delete-on-termination</code>`: Specifies whether the attachment is deleted when an instance is terminated.

- `<code>network-interface.availability-zone</code>`: The Availability Zone for the network interface.


- `<code>network-interface.group-id</code>`: The ID of a security group associated with the network interface.

- `<code>network-interface.group-name</code>`: The name of a security group associated with the network interface.
<code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.

<code>network-interface.mac-address</code> - The MAC address of the network interface.

<code>network-interface.network-interface-id</code> - The ID of the network interface.

<code>network-interface.owner-id</code> - The ID of the owner of the network interface.

<code>network-interface.private-dns-name</code> - The private DNS name of the network interface.

<code>network-interface.requester-id</code> - The requester ID for the network interface.

<code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.

<code>network-interface.requester-managed</code> - The status of the network interface (available|in-use).

<code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> or <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.

<code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.

<code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.

<code>owner-id</code> - The AWS account ID of the instance owner.

<code>placement-group-name</code> - The name of the placement group for the instance.

<code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.

<code>private-dns-name</code> - The private IPv4 DNS name of the instance.

<code>private-ip-address</code> - The private IPv4 address of the instance.

<code>product-code</code> - The product code associated with the AMI used to launch the instance.

<code>product-code.type</code> - The type of product code (devpay|marketplace).

<code>ramdisk-id</code> - The RAM disk ID.

<code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.

<code>reservation-id</code> - The ID of the reservation that the instance is associated with. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you’ll get one reservation ID. If you launch ten instances using the same launch request, you’ll also get ten reservation IDs.

<code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). The location of the root device in the instance (for example, <code>/dev/sda1</code>). Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> or <code>false</code> for the instance to function properly (NAT) in your VPC.

<code>spot-instance-request-id</code> - The ID of the Spot instance request.

<code>state-reason-code</code> - The reason code for the state change.

<code>state-reason-message</code> - A message that describes the state change.

<code>subnet-id</code> - The ID of the subnet for the instance.

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose=x</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key="Purpose"</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. This filter is independent of the <code>tag-key</code> filter. Then the filter <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code>.
key<code> filter.</p><li><p><code>tenancy</code> - The tenancy of an instance
(<code>dedicated</code> | <code>default</code> | <code>host</code>).<p/></li><li><p><code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>).<p></li><li><p><code>vpc-id</code> - The ID of the VPC that the instance is running in.<p>

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"InstanceIds" : {
 "c2jName" : "InstanceIds",
 "c2jShape" : "InstanceIdStringList",
 "deprecated" : false,
 "documentation" : "<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p>
@param instanceIds One or more instance IDs.</p> <p>Default: Describes all your instances.</p>
@return Returns a reference to this object so that method calls can be chained together.*/>",
 "fluentSetterMethodName" : "withInstanceIds",
 "getterDocumentation" : "**<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p>
@return One or more instance IDs.</p> <p>Default: Describes all your instances.</p>
"impliedType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "getterDocumentation" : "getInstanceIds",
 "getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "getterDocumentation" : "getInstanceIds",
 "getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**<p>One or more instance IDs.</p> <p>Default: Describes all your
instances.</p>\n@param instanceIds One or more instance IDs.</p> <p>Default: Describes all your instances.*\n*/",
"setterMethodName": "setInstanceIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more instance IDs.</p> <p>Default: Describes all your
instances.</p>\n\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setInstanceIds(java.util.Collection) } or { @link #withInstanceIds(java.util.Collection) } if you want to override the
existing values.</p>\n@param instanceIds One or more instance IDs.</p> <p>Default: Describes all your
instances.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "<p>One or more instance IDs.</p> <p>Default: Describes all your
instances.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.

```java
@maxResults
```

Returns a reference to this object so that method calls can be chained together.

```java
withMaxResults
```

```java
getMaxResults
```
**MaxResults**

*setterDocumentation*

> The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.

*setterMethodName* : `setMaxResults`

*setterModel* :

```
{  
  "variableDeclarationType" : "Integer",  
  "variableName" : "maxResults",  
  "variableType" : "Integer",  
  "documentation" : "",  
  "simpleType" : "Integer",  
  "variableSetterType" : "Integer"  
}
```

*simple* : true

*varargSetterDocumentation*

> The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.

*variable* :

```
{  
  "variableDeclarationType" : "Integer",  
  "variableName" : "maxResults",  
  "variableType" : "Integer",  
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call. */",  
  "simple" : true,  
  "variableSetterType" : "Integer"  
}
```

*xmlNameSpaceUri* : null

*NextToken* :

```
{  
  "c2jName" : "NextToken",  
  "c2jShape" : "String",  
  "deprecated" : false,  
  "documentation" : "The token to request the next page of results. */",  
  "enumType" : null,  
  "fluentSetterDocumentation" : "The token to request the next page of results. */",  
  "fluentSetterMethodName" : "withNextToken",  
}
```
"getterDocumentation" : "/**\n<p>The token to request the next page of results.</p>\n@return The token to request the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : false,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n<p>The token to request the next page of results.</p>\n@param nextToken The token to request the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The token to request the next page of results.</p>\n@param nextToken The token to request the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to request the next page of results.</p>"
"simpleType" : "String",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
]
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeInstancesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeInstancesRequest",
"variableName" : "describeInstancesRequest",
"variableType" : "DescribeInstancesRequest",
"documentation" : null,
"simpleType" : "DescribeInstancesRequest",
"variableSetterType" : "DescribeInstancesRequest"
",
"wrapper" : false
",
"DescribeInstancesResult" : {
"c2jName" : "DescribeInstancesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
",
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "Reservations",
"c2jShape" : "ReservationList",
"deprecated" : false,
"documentation" : "<p>Zero or more reservations.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Zero or more reservations.</p>
@param reservations Zero or more reservations.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"fluentSetterMethodName" : "withReservations",
"getterDocumentation" : "/**<p>Zero or more reservations.</p>
\n@returns Zero or more reservations.*/",
"getterMethodName" : "getReservations",
"id" : "Reservations",
"min" : 0,
"maxLength" : 255,
"minLength" : 0,
"name" : "Reservations",
"pattern" : null,
"position" : 1,
"shape" : "Reservations",
"shapeName" : "Reservations",
"simpleType" : "Reservations",
"variableDeclarationType" : "Reservations",
"variableName" : "reservations",
"variableType" : "Reservations",
"variableSetterType" : "Reservations",
"xmlNameSpaceUri" : null,
"xmlType" : "Reservations",
"xmlTypeNamespace" : null,
"xmlTypePrefix" : null,
"xmlTypeUri" : null,
"xmlTypeUsage" : null,
"xmlVendorPrefix" : null
]"}
"getterMethodName" : "getReservations",
"getterModel" : {
  "returnType" : "java.util.List<Reservation>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservationSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Reservation",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Reservation",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "member",
  "variableType" : "Reservation",
  "documentation" : "",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "member",
  "variableType" : "Reservation",
  "documentation" : "",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Reservation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Reservation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Reservation>",
"templateType" : "java.util.List<Reservation>"}
"map" : false,
"mapModel" : null,
"name" : "Reservations",
"setterDocumentation" : "/**<p>Zero or more reservations.</p>
@param reservations Zero or more reservations.*/",
"setterMethodName" : "setReservations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Reservation>",
  "variableName" : "reservations",
  "variableType" : "java.util.List<Reservation>",
  "documentation" : "",
  "simpleType" : "List<Reservation>",
  "variableSetterType" : "java.util.Collection<Reservation>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Zero or more reservations.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {code}@link #setReservations(java.util.Collection)} or {code}@link #withReservations(java.util.Collection)} if you want to override the existing values.</code></p>
@param reservations Zero or more reservations.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Reservation>",
  "variableName" : "reservations",
  "variableType" : "java.util.List<Reservation>",
  "documentation" : "<p>Zero or more reservations.</p>",
  "simpleType" : "List<Reservation>",
  "variableSetterType" : "java.util.Collection<Reservation>",
},
"xmlNameSpaceUri" : null,
}, {  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
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},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "nextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "nextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;u&gt;n&lt;/u&gt;&lt;br&gt;Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**&lt;p&gt;The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;u&gt;n&lt;/u&gt;&lt;br&gt;The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**&lt;p&gt;The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;u&gt;n&lt;/u&gt;&lt;br&gt;The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;*/",
  "setterMethodName" : "setNextToken",
}
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "nextToken",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n*p> The token to use to retrieve the next page of results. This value is\n@code>null</code> when there are no more results to return.\n\n@returns\nReturns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "nextToken",
    "variableType": "String",
    "documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Reservations": {
    "c2jName": "Reservations",
    "c2jShape": "ReservationList",
    "deprecated": false,
    "documentation": "<p>Zero or more reservations.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n*p> Zero or more reservations.\n\n@returns\nReturns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withReservations",
    "getterDocumentation": "/**\n*p> Zero or more reservations.\n\n@returns\nZero or more reservations.\n\n@returns\nReturns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getReservations",
    "getterModel": {
        "returnType": "java.util.List<Reservation>",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
"marshallLocationName" : "ReservationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Reservation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Reservation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",}
"setterMethodname" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "member",
  "variableType" : "Reservation",
  "documentation" : "",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "member",
  "variableType" : "Reservation",
  "documentation" : "",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Reservation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Reservation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Reservation>",
"templateType" : "java.util.List<Reservation>"
},
"map" : false,
"mapModel" : null,
"name" : "Reservations",
"setterDocumentation" : "/**<p>Zero or more reservations.</p>
@param reservations Zero or more reservations.*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodname" : "setReservations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Reservation>",
  "variableName" : "reservations",
  "variableType" : "java.util.List<Reservation>",
  "documentation" : "",
  "simpleType" : "List<Reservation>",
  "variableSetterType" : "java.util.Collection<Reservation>"
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>Zero or more reservations.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservations(java.util.Collection)} or { @link #withReservations(java.util.Collection)} if you want to override the existing values.</p>\n@param reservations Zero or more reservations.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Reservation>",
  "variableName" : "reservations",
  "variableType" : "java.util.List<Reservation>",
  "documentation" : "<p>Zero or more reservations.</p>",
  "simpleType" : "List<Reservation>",
  "variableSetterType" : "java.util.Collection<Reservation>"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeInstancesResult",
  "variableName" : "describeInstancesResult",
  "variableType" : "DescribeInstancesResult",
  "documentation" : null,
  "simpleType" : "DescribeInstancesResult",
  "variableSetterType" : "DescribeInstancesResult"
},
"wrapper" : false
},
"DescribeInternetGatewaysRequest" : {
  "c2jName" : "DescribeInternetGatewaysRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\nContains the parameters for DescribeInternetGateways.\n",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
{"hasPayloadMember":false,
"hasStatusCodeMember":false,
"hasStreamingMember":false,
"marshaller":{
"action":"DescribeInternetGateways",
"locationName":null,
"requestUri":"/",
"target":null,
"verb":"POST",
"xmlNameSpaceUri":null
},
"members":[]
,"c2jName":"InternetGatewayIds",
"c2jShape":"ValueStringList",
"deprecated":false,
"documentation":"<p>One or more Internet gateway IDs.</p>
<p>Default: Describes all your Internet gateways.</p>",
"enumType":null,
"fluentSetterDocumentation":"/**<p>One or more Internet gateway IDs.</p>
<p>Default: Describes all your Internet gateways.</p>*/
@param internetGatewayIds One or more Internet gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withInternetGatewayIds",
"getterDocumentation":"/**<p>One or more Internet gateway IDs.</p>
<p>Default: Describes all your Internet gateways.</p>*/
@return One or more Internet gateway IDs.
",
"getterMethodName":"getInternetGatewayIds",
"getterModel":{
"returnType":"java.util.List<String>",
"documentation":null
},
"http":{
"additionalMarshallingPath":null,
"additionalUnmarshallingPath":null,
"flattened":false,
"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
"marshallLocationName":"InternetGatewayId",
"queryString":false,
"statusCode":false,
"unmarshallLocationName":"internetGatewayId",
"uri":false
},
"idempotencyToken":false,
"list":true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
}
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayIds",
"setterDocumentation" : "/**
<p>One or more Internet gateway IDs.</p> 
<p>Default: Describes all your Internet gateways.</p>

@param internetGatewayIds One or more Internet gateway IDs.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInternetGatewayIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "internetGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more Internet gateway IDs.</p> 
<p>Default: Describes all your Internet gateways.</p>

@<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use 
{@link #setInternetGatewayIds(java.util.Collection)} or 
{@link #withInternetGatewayIds(java.util.Collection)} if you want to override 
the existing values.</p>

@param internetGatewayIds One or more Internet gateway IDs.

@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "internetGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>""
},
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p>
<ul>
  <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> </li>
  <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li>
  <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li>
  <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=V, specify <code>tag:Purpose</code> for the filter name and <code>V</code> for the filter value.</p> </li>
  <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
</p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
</p> </li>
</ul>
@param filters One or more filters.</param>

"fluentSetterDocumentation" : "<p>One or more filters.</p> <ul>
  <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> </li>
  <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li>
  <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li>
  <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=V, specify <code>tag:Purpose</code> for the filter name and <code>V</code> for the filter value.</p> </li>
  <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li>
</ul>
"param filters One or more filters.</param> <ul>
  <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> </li>
  <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li>
  <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li>
  <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=V, specify <code>tag:Purpose</code> for the filter name and <code>V</code> for the filter value.</p> </li>
</ul>
"param filters One or more filters.</param>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li>
@return
Returns a reference to this object so that method calls can be chained together. */
*/

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
    @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Filter",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Filter",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**
    @param member */"}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters. <ul>
<li><code>attachment.state</code>- The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.
<li><code>attachment.vpc-id</code>- The ID of an attached VPC.
<li><code>internet-gateway-id</code>- The ID of the Internet gateway.
<li><code>tag:tag-key</code>:<i>key</i>=<i>value</i>- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
<li><code>tag-key</code>- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag-value</code> filter.</p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> filter. - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag-key</code> filter. - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> filter. - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag-value</code> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li>\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current
state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is
attached.</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p>
<code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li> <li> <p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X,
specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tagvalue</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current
state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is
attached.</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p>
<code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li> <li> <p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X,
specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tagvalue</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code>

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- The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is).</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li>

### Filters

- **<code>attachment.state</code>**
  - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li>
both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>tag-key</i>=<i>tag-value</i> filter. </p> </li> <li> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> */

    "getterMethodName" : "getFilters",
    "getterModel" : {
        "returnType" : "java.util.List<Filter>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Filter",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Filter",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "/**
        * @param member
        * @return Returns a reference to this object so that
        * method calls can be chained together.*/",
        "exported" : true,
        "getterDocumentation" : "/**
        * @return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Filter",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/** One or more filters. */ <ul> <li> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</li> <li> <code>attachment.vpc-id</code> - The ID of an attached VPC.</li> <li> <code>internet-gateway-id</code> - The ID of the Internet gateway.</li> <li> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter.</li> <li> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</li> <li> <code>attachment.vpc-id</code> - The ID of an attached VPC.</li> <li> <code>internet-gateway-id</code> - The ID of the Internet gateway.</li> <li> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter.</li> */
</ul>
@param filters One or more filters.

"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "/** One or more filters. */ <ul> <li> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</li> <li> <code>attachment.vpc-id</code> - The ID of an attached VPC.</li> <li> <code>internet-gateway-id</code> - The ID of the Internet gateway.
</ul>"
gateway. - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code>:<i>key</i>=<i>value</i> filter.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.

- The ID of an attached VPC.

- The ID of the Internet gateway.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code>:<i>key</i>=<i>value</i> filter.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
"c2jName" : "InternetGatewayIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more Internet gateway IDs. <p> Default: Describes all your Internet gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more Internet gateway IDs. <p> Default: Describes all your Internet gateways. <p>\n@returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInternetGatewayIds",
"getterDocumentation" : "/**<p>One or more Internet gateway IDs. <p> Default: Describes all your Internet gateways. <p>\n@returns One or more Internet gateway IDs. <p> Default: Describes all your Internet gateways. */",
"getterMethodName" : "getInternetGatewayIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InternetGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "internetGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * @param member \n     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @returns Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  }
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayIds",
"setterDocumentation" : "<p>One or more Internet gateway IDs.</p>
@param internetGatewayIds One or more Internet gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setInternetGatewayIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "internetGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}]
},
"simple" : false,
"varargSetterDocumentation" : "<p>One or more Internet gateway IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
{ @link #setInternetGatewayIds(java.util.Collection) } or { @link #withInternetGatewayIds(java.util.Collection) } if
you want to override the existing values.</p>
@param internetGatewayIds One or more Internet gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "internetGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}]
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeInternetGatewaysRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeInternetGatewaysRequest",
  "variableName" : "describeInternetGatewaysRequest",
  "variableType" : "DescribeInternetGatewaysRequest",
  "documentation" : null,
  "simpleType" : "DescribeInternetGatewaysRequest",
  "variableSetterType" : "DescribeInternetGatewaysRequest"
},
"wrapper" : false
},
"DescribeInternetGatewaysResult" : {
  "c2jName" : "DescribeInternetGatewaysResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeInternetGateways.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "InternetGateways",
      "c2jShape" : "InternetGatewayList",
      "deprecated" : false,
      "documentation" : "<p>Information about one or more Internet gateways.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about one or more Internet gateways.</p>@param\ninternetGateways Information about one or more Internet gateways.*/\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withInternetGateways",
      "getterDocumentation" : "/**<p>Information about one or more Internet gateways.</p>@return Information about one or more Internet gateways.*/",
      "getterMethodName" : "getInternetGateways",
      "getterModel" : {
        "returnType" : "java.util.List<InternetGateway>",
        "documentation" : null
      }
    }
  ]
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "InternetGateway",
    "variableName" : "member",
    "variableType" : "InternetGateway",
    "documentation" : "",
    "simpleType" : "InternetGateway",
    "variableSetterType" : "InternetGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "InternetGateway",
    "variableName" : "member",
    "variableType" : "InternetGateway",
    "documentation" : "",
    "simpleType" : "InternetGateway",
    "variableSetterType" : "InternetGateway"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InternetGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InternetGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
"templateType" : "java.util.List<InternetGateway>"
},
"map" : false,
"mapModel" : null,
"name" : "InternetGateways",
"setterDocumentation" : "/**<p>Information about one or more Internet gateways.</p>
@param
@*/"
internetGateways Information about one or more Internet gateways.*\*/

"setterMethodName" : "setInternetGateways",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
  "variableName" : "internetGateways",
  "variableType" : "java.util.List<InternetGateway>",
  "documentation" : "",
  "simpleType" : "List<InternetGateway>",
  "variableSetterType" : "java.util.Collection<InternetGateway>
},
"simple" : false,
"varargSetterDocumentation" : "/**\n  Information about one or more Internet gateways.\n</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInternetGateways(java.util.Collection) or { @link #withInternetGateways(java.util.Collection) if you want to override the existing values.<p>\n@return Returns a reference to this object so that method calls can be chained together.*\*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
  "variableName" : "internetGateways",
  "variableType" : "java.util.List<InternetGateway>",
  "documentation" : "Information about one or more Internet gateways.<p>
"simpleType" : "List<InternetGateway>",
  "variableSetterType" : "java.util.Collection<InternetGateway>
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "InternetGateways" : {
    "c2jName" : "InternetGateways",
    "c2jShape" : "InternetGatewayList",
    "deprecated" : false,
    "documentation" : "Information about one or more Internet gateways.<p>"",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Returns a reference to this object so that method calls can be chained together.*\*/

"fluentSetterMethodName" : "withInternetGateways",
"getterDocumentation" : "/**\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.<p>\n  Information about one or more Internet gateways.*\*/

"getterMethodName" : "getInternetGateways",
"getterModel" : {
  "returnType" : "java.util.List<InternetGateway>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InternetGatewaySet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "internetGatewaySet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InternetGateway",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
 @param member 
@return Returns a reference to this object so that
 method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "InternetGateway",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InternetGateway",
  "variableName": "member",
  "variableType": "InternetGateway",
  "documentation": "",
  "simpleType": "InternetGateway",
  "variableSetterType": "InternetGateway"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "InternetGateway",
  "variableName": "member",
  "variableType": "InternetGateway",
  "documentation": "",
  "simpleType": "InternetGateway",
  "variableSetterType": "InternetGateway"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InternetGateway",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InternetGateway",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InternetGateway>",
"templateType": "java.util.List<InternetGateway>"
},
"map": false,
"mapModel": null,
"name": "InternetGateways",
"setterDocumentation": "/**\n<p>Information about one or more Internet gateways.</p>
@param internetGateways Information about one or more Internet gateways. */",
"setterMethodName": "setInternetGateways",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InternetGateway>",
  "variableName": "internetGateways"
"variableType" : "java.util.List<InternetGateway>",
"documentation" : "",
"simpleType" : "List<InternetGateway>",
"variableSetterType" : "java.util.Collection<InternetGateway>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more Internet gateways.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInternetGateways(java.util.Collection) } or { @link #withInternetGateways(java.util.Collection) } if you want to override the existing values.</p><p>@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
"variableName" : "internetGateways",
"variableType" : "java.util.List<InternetGateway>",
"documentation" : "<p>Information about one or more Internet gateways.</p>",
"simpleType" : "List<InternetGateway>",
"variableSetterType" : "java.util.Collection<InternetGateway>",
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeInternetGatewaysResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeInternetGatewaysResult",
"variableName" : "describeInternetGatewaysResult",
"variableType" : "DescribeInternetGatewaysResult",
"documentation" : null,
"simpleType" : "DescribeInternetGatewaysResult",
"variableSetterType" : "DescribeInternetGatewaysResult"
},
"wrapper" : false,
"DescribeKeyPairsRequest" : {
"c2jName" : "DescribeKeyPairsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
}
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeKeyPairs.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeKeyPairs",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "KeyNames",
    "c2jShape": "KeyNameStringList",
    "deprecated": false,
    "documentation": "<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>
    @param keyNames One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withKeyNames",
    "getterDocumentation": "/**<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>
    @return One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>
    @param keyNames One or more key pair names.</p> <p>Default: Describes all your key pairs.*/",
    "getterMethodName": "getKeyNames",
    "getterModel": {
      "returnType": "java.util.List<String>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "KeyName",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "KeyName",
      "uri": false
    }
  }
]
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeyName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "KeyName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : ""
  }
}
"simpleType": "String",
"variableSetterType": "String"
],
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": ":",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "KeyName",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "KeyNames",
"setterDocumentation": "/**<p>One or more key pair names.</p>
<p>Default: Describes all your key pairs.</p>
@param keyNames One or more key pair names.</p>
<p>Default: Describes all your key pairs.</p>

**NOTE:** This method appends the values to the existing list (if any). Use @link 
#setKeyNames(java.util.Collection) or @link #withKeyNames(java.util.Collection) if you want to override the
existing values. <p>\n@param keyNames One or more key pair names. <p>

**NOTE:** This method appends the values to the existing list (if any). Use @link 
#setKeyNames(java.util.Collection) or @link #withKeyNames(java.util.Collection) if you want to override the
existing values. <p>\n@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName": "setKeyNames",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "keyNames",
"variableType": "java.util.List<String>",
"documentation": ":",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more key pair names.</p>
<p>Default: Describes all your key pairs.</p>

**NOTE:** This method appends the values to the existing list (if any). Use @link 
#setKeyNames(java.util.Collection) or @link #withKeyNames(java.util.Collection) if you want to override the
existing values. <p>\n@param keyNames One or more key pair names. <p>

**NOTE:** This method appends the values to the existing list (if any). Use @link 
#setKeyNames(java.util.Collection) or @link #withKeyNames(java.util.Collection) if you want to override the
existing values. <p>\n@return Returns a reference to this object so that method calls can be chained together.*/"
"listModel": {  
"implType": "com.amazonaws.internal.SdkInternalList",  
"interfaceType": "java.util.List",  
"listMemberModel": {  
"c2jName": "member",  
"c2jShape": "Filter",  
"deprecated": false,  
"documentation": ": "
"enumType": null,  
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",  
"fluentSetterMethodName": "withMember",  
"getterDocumentation": "/**\n@return */",  
"getterMethodName": "getMember",  
"getterModel": {  
"returnType": "Filter",  
"documentation": null  
},  
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocationName": "Filter",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "Filter",  
"uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "Member",  
"setterDocumentation": "/**\n@param member */",  
"setterMethodName": "setMember",  
"setterModel": {  
"variableDeclarationType": "Filter",  
"variableName": "member",  
"variableType": "Filter",  
"documentation": "",  
"simpleType": "Filter",  
"variableSetterType": "Filter"}
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
}.}
"xmlNameSpaceUri" : null
}
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li>
</ul>
@param filters One or more filters.</p> <ul>
<li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li>*/",
"setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
}.}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
@param filters One or more filters.</p> <ul>
<li> <p> <code>fingerprint</code> - The fingerprint of
The key pair. - The name of the key pair.

```java
@<p>
@<li>
@<p>
@<code>
key-name</code>
@</p>
@\n@<return>
Returns a reference to this object so that method calls can be chained together.
*/

@variable
{
@variableDeclarationType
: "com.amazonaws.internal.SdkInternalList<Filter",
@variableName
: "filters",
@variableType
: "java.util.List<Filter>",
@documentation
: "{<p>One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
@simpleType
: "List<Filter>",
@variableSetterType
: "java.util.Collection<Filter>
",
@xmlnsNameSpaceUri
: null
}
}

@membersAsMap
: {
@Filters
: {
@c2jName
: "Filters",
@c2jShape
: "FilterList",
@deprecated
: false,
@documentation
: "<p>One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
@enumType
: null,
@fluentSetterDocumentation
: "/**<p>One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.
*/

@fluentSetterMethodName
: "withFilters",
@getterDocumentation
: "/**<p>One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
@return One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
",
@getterMethodName
: "getFilters",
@getterModel
: {
@returnType
: "java.util.List<Filter>",
@documentation
: null
},
@http
: {
"additionalMarshallingPath
: null,
"additionalUnmarshallingPath
: null,
"flattened
: false,
"greedy
: false,
"header
: false,
"isPayload
: false,
"isStreaming
: false,
"location
: null,
"marshallLocationName
: "Filter",
"queryString
: false,
"statusCode
: false,
"unmarshallLocationName" : "Filter",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableType" : "Filter",
"variableName" : "member"
}
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.
<ul>
<li>
<code>fingerprint</code> - The fingerprint of the key pair.</li>
<li>
<code>key-name</code> - The name of the key pair.</li>
</ul>
@param filters One or more filters.
<ul>
<li>
<code>fingerprint</code> - The fingerprint of the key pair.</li>
<li>
<code>key-name</code> - The name of the key pair.</li>
*/",
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
}
,"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul> 
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p> 
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null,
"KeyNames" : {
    "c2jName" : "KeyNames",
    "c2jShape" : "KeyNameStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>
    @param keyNames One or more key pair names.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKeyNames",
    "getterDocumentation" : "/**<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>
    @return One or more key pair names.
    @Default: Describes all your key pairs.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getKeyNames",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "KeyName",
        "queryString" : false,
        "statusCode" : false,
        "statusLocationName" : false,
        "unmarshallLocationName" : "KeyName",
}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "KeyName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "KeyNames",
"setterDocumentation" : "/**<p>One or more key pair names. Default: Describes all your key pairs.</p>
@param keyNames One or more key pair names. Default: Describes all your key pairs.*/",
"setterMethodName" : "setKeyNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "keyNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more key pair names. Default: Describes all your key pairs.</p>
 NOTE: This method appends the values to the existing list (if any). Use {@link #setKeyNames(java.util.Collection)} or {@link #withKeyNames(java.util.Collection)} if you want to override the
existing values.

```java
@param keyNames One or more key pair names.

@return Returns a reference to this object so that method calls can be chained together.*

    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "keyNames",
        "variableType" : "java.util.List<String>",
        "documentation" : "One or more key pair names.

    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
    }
,
    "xmlNameSpaceUri" : null
    }
}

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeKeyPairsRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeKeyPairsRequest",
    "variableName" : "describeKeyPairsRequest",
    "variableType" : "DescribeKeyPairsRequest",
    "documentation" : null,
    "simpleType" : "DescribeKeyPairsRequest",
    "variableSetterType" : "DescribeKeyPairsRequest"
    },
    "wrapper" : false
    },

"DescribeKeyPairsResult" : {
    "c2jName" : "DescribeKeyPairsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
        },
    "deprecated" : false,
    "documentation" : "Contains the output of DescribeKeyPairs.",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : {
        "c2jName" : "KeyPairs",
        "c2jShape" : "KeyPairList",
```
"deprecated" : false,
"documentation" : "<p>Information about one or more key pairs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more key pairs.</p>
@param keyPairs
Information about one or more key pairs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyPairs",
"getterDocumentation" : "/**<p>Information about one or more key pairs.</p>
@return Information about one or more key pairs.*/",
"getterMethodName" : "getKeyPairs",
"getterModel" : {
   "returnType" : "java.util.List<KeyPairInfo>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "KeySet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "keySet",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "KeyPairInfo",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "KeyPairInfo",
         "documentation" : null
      }
   }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": { 
  "variableDeclarationType": "KeyPairInfo",
  "variableName": "member",
  "variableType": "KeyPairInfo",
  "documentation": "",
  "simpleType": "KeyPairInfo",
  "variableSetterType": "KeyPairInfo"
 },
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": { 
  "variableDeclarationType": "KeyPairInfo",
  "variableName": "member",
  "variableType": "KeyPairInfo",
  "documentation": "",
  "simpleType": "KeyPairInfo",
  "variableSetterType": "KeyPairInfo"
 },
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "KeyPairInfo",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "KeyPairInfo",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"templateType" : "java.util.List<KeyPairInfo>"}
,
"map" : false,
"mapModel" : null,
"name" : "KeyPairs",
"setterDocumentation" : "/**\n* Information about one or more key pairs.
*\n* @param keyPairs Information about one or more key pairs.\n*/",
"setterMethodName" : "setKeyPairs",
"setterModel" : {

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
  "variableName" : "keyPairs",
  "variableType" : "java.util.List<KeyPairInfo>",
  "documentation" : "",
  "simpleType" : "List<KeyPairInfo>",
  "variableSetterType" : "java.util.Collection<KeyPairInfo>"
},

"simple" : false,
"varargSetterDocumentation" : "/**\n* Information about one or more key pairs.\n*\n* @param keyPairs Information about one or more key pairs.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/",

"variable" : {

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
  "variableName" : "keyPairs",
  "variableType" : "java.util.List<KeyPairInfo>",
  "documentation" : "Information about one or more key pairs.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/",

  "simple" : false,

  "varargSetterDocumentation" : "/**<p>Information about one or more key pairs.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setKeyPairs(java.util.Collection)} or {@link #withKeyPairs(java.util.Collection)} if you want to override the existing values.</p><p>@param keyPairs Information about one or more key pairs.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

  "variable" : {

    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
    "variableName" : "keyPairs",
    "variableType" : "java.util.List<KeyPairInfo>",
    "documentation" : "<p>Information about one or more key pairs.</p>",
    "simpleType" : "List<KeyPairInfo>",
    "variableSetterType" : "java.util.Collection<KeyPairInfo>"
  }
},

"xmlNameSpaceUri" : null
},
"membersAsMap" : {

  "KeyPairs" : {

    "c2jName" : "KeyPairs",
    "c2jShape" : "KeyPairList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more key pairs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more key pairs.</p><p>@param keyPairs Information about one or more key pairs.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

    "variable" : {

      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
      "variableName" : "keyPairs",
      "variableType" : "java.util.List<KeyPairInfo>",
      "documentation" : "Information about one or more key pairs.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/",

      "simple" : false,

      "varargSetterDocumentation" : "/**\n* Information about one or more key pairs.\n*\n* @param keyPairs Information about one or more key pairs.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/"}
chained together.*"",
    "fluuentSetterMethodName" : "withKeyPairs",
    "getterDocumentation" : "/**<p>Information about one or more key pairs.</p>\n@return Information about one or more key pairs.*"",
    "getterMethodName" : "getKeyPairs",
    "getterModel" : {
        "returnType" : "java.util.List<KeyPairInfo>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "KeySet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "keySet",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "KeyPairInfo",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluuentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*"",
            "fluuentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@return *
", "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "KeyPairInfo",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "KeyPairInfo",
  "variableName" : "member",
  "variableType" : "KeyPairInfo",
  "documentation" : "",
  "simpleType" : "KeyPairInfo",
  "variableSetterType" : "KeyPairInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "KeyPairInfo",
  "variableName" : "member",
  "variableType" : "KeyPairInfo",
  "documentation" : "",
  "simpleType" : "KeyPairInfo",
  "variableSetterType" : "KeyPairInfo"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "KeyPairInfo",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType": "KeyPairInfo",
"templateImplType": "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"templateType": "java.util.List<KeyPairInfo>"
],
"map": false,
"mapModel": null,
"name": "KeyPairs",
"setterDocumentation": "/**\n*p>Information about one or more key pairs.<p>\n@param keyPairs Information about one or more key pairs.*\n*/",
"setterMethodName": "setKeyPairs",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
  "variableName": "keyPairs",
  "variableType": "java.util.List<KeyPairInfo>",
  "documentation": "",
  "simpleType": "List<KeyPairInfo>",
  "variableSetterType": "java.util.Collection<KeyPairInfo>"
},
"simple": false,
"varargSetterDocumentation": "/**\n*p>Information about one or more key pairs.<p>\n<b>NOTE:</b>
This method appends the values to the existing list (if any). Use \{ @link #setKeyPairs(java.util.Collection)\} or \{ @link #withKeyPairs(java.util.Collection)\} if you want to override the existing values.<p>\n@param keyPairs Information about one or more key pairs.<p>\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
  "variableName": "keyPairs",
  "variableType": "java.util.List<KeyPairInfo>",
  "documentation": "<p>Information about one or more key pairs.</p>",
  "simpleType": "List<KeyPairInfo>",
  "variableSetterType": "java.util.Collection<KeyPairInfo>"
},
"xmlNameSpaceUri": null
}.
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeKeyPairsResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DescribeKeyPairsResult",
  "variableName": "describeKeyPairsResult",
  "variableType": "DescribeKeyPairsResult",
  "documentation": "DescribeKeyPairsResult"
}
"simpleType" : "DescribeKeyPairsResult",
"variableSetterType" : "DescribeKeyPairsResult"
},
"wrapper" : false
},
"DescribeMovingAddressesRequest" : {
"c2jName" : "DescribeMovingAddressesRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeMovingAddresses.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeMovingAddresses",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{
"c2jName" : "PublicIps",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more Elastic IP addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>*/",
"fluentSetterMethodName" : "withPublicIps",
"getterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>*/",
"getterMethodName" : "getPublicIps",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.@/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "PublicIps",
"setterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>
@param publicIps One or more Elastic IP addresses.*/",
"setterMethodName" : "setPublicIps",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "publicIps",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"variableName":"publicIps",
"variableType":"java.util.List<String>",
"documentation":"",
"simpleType":"List<String>",
"variableSetterType":"java.util.Collection<String>"
},
"simple":false,
"varargSetterDocumentation":"/**\n<p>One or more Elastic IP addresses.</p>\n\nNOTE:\nThis method appends the values to the existing list (if any). Use [@link #setPublicIps(java.util.Collection) or [@link #withPublicIps(java.util.Collection)] if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable":{
"variableDeclarationType":"com.amazonaws.internal.SdkInternalList<String>",
"variableName":"publicIps",
"variableType":"java.util.List<String>",
"documentation":"One or more Elastic IP addresses.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri":null
},
"c2jName":"NextToken",
"c2jShape":"String",
"deprecated":false,
"documentation":"The token to use to retrieve the next page of results.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withNextToken",
"getterDocumentation":"The token to use to retrieve the next page of results.\n\n@returns The token to use to retrieve the next page of results.*/",
"getterMethodName":"getNextToken",
"getterModel":{
"returnType":"String",
"documentation":null
},
"http":{
"additionalMarshallingPath":null,
"additionalUnmarshallingPath":null,
"flattened":false,
"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
"marshallLocationName":"NextToken"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken
The token to use to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param filters One or more filters.
The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/",  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/",  "fluentSetterMethodName" : "withFilters",
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li>*/",
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li>*/
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
@param filters One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li> </ul>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p> <p><b>Default:</b> If no value is provided, the default is 1000.</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p> <p><b>Default:</b> If no value is provided, the default is 1000.</p> ",
"getterDocumentation" : null,
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p> <p><b>Default:</b> If no value is provided, the default is 1000.</p> ",
"getterMethodName" : null,
"setterMethodName" : null,
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
"}
page. The remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is 1000.</p>

@un@param maxResults The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is 1000.</p>

@un@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is 1000.</p>*/",

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is 1000.</p>

@un@param maxResults The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is 1000.*"/

setterMethodName" : "setMaxResults",
setterModel! : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The maximum number of results to return for the request in a single
page. The remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is
1000.</p>

@<p>Default: If no value is provided, the default is
1000.</p>

public @return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is
1000.</p>

@<p>Default: If no value is provided, the default is
1000.</p>

public @return Returns a reference to this object so that method calls can be chained together.*"/

"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "One or more filters.</p> <ul> <li> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</li>
  </ul>

@</ul>
public @return Returns a reference to this object so that method calls can be chained together.*"/

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </li>
  </ul>

@<ul>
public @return Returns a reference to this object so that method calls can be chained together.*"/

Returns a reference to this object so that method calls can be chained together.*"/
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> */",
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Filter",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
  },
  "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
  "simple" : false,
  "vargargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "xmlNameSpaceUri" : null
},

"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li>
</ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li>*/",
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
@param filters One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li>
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</p> </li> </ul>",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>",
},
"xmlNameSpaceUri": null
},
"MaxResults": {
  "c2jName": "MaxResults",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is 1000.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p><p>Default: If no value is provided, the default is 1000.</p>@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p><p>Default: If no value is provided, the default is 1000.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p><p>Default: If no value is provided, the default is 1000.</p>@return The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p><p>Default: If no value is provided, the default is 1000.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p><p>Default: If no value is provided, the default is 1000.</p>*/"}
value outside of this range, an error is returned. \(<p>\) Default: If no value is provided, the default is 1000.\(<p>\)\n@\ param maxResults\ The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned \(<code>\) NextToken\(<code>\) value. This value can be between 5 and 1000; if \(<code>\) MaxResults\(<code>\) is given a value outside of this range, an error is returned. \(<p>\) Default: If no value is provided, the default is 1000.\("\)","setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "\</p>\ The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned \(<code>\) NextToken\(<code>\) value. This value can be between 5 and 1000; if \(<code>\) MaxResults\(<code>\) is given a value outside of this range, an error is returned. \(<p>\) Default: If no value is provided, the default is 1000.\(<p>\)\n@\ return\ Returns a reference to this object so that method calls can be chained together.\("\)",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned \(<code>\) NextToken\(<code>\) value. This value can be between 5 and 1000; if \(<code>\) MaxResults\(<code>\) is given a value outside of this range, an error is returned. \(<p>\) Default: If no value is provided, the default is 1000.\(<p>\)\n@\ return\ Returns a reference to this object so that method calls can be chained together.\("\)",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results.\(<p>\) Default: If no value is provided, the default is 1000.\(<p>\)\n@\ param\ nextToken\ The token to use to retrieve the next page of results.\n@\ return\ Returns a reference to this object so that method calls can be chained together.\("\)",
"fluentSetterDocumentation" : "\</p>\ The token to use to retrieve the next page of results.\nThe token to use to retrieve the next page of results.\n@\ return\ Returns a reference to this object so that method calls can be chained together.\("\)",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "\</p>\ The token to use to retrieve the next page of results.\nThe token to use to retrieve the next page of results.\n@\ return\ The token
to use to retrieve the next page of results.*/",  
  "getterMethodName" : "getNextToken",  
  "getterModel" : {  
    "returnType" : "String",  
    "documentation" : null  
  },  
  "http" : {  
    "additionalMarshallingPath" : null,  
    "additionalUnmarshallingPath" : null,  
    "flattened" : false,  
    "greedy" : false,  
    "header" : false,  
    "isPayload" : false,  
    "isStreaming" : false,  
    "location" : null,  
    "marshallLocationName" : "NextToken",  
    "queryString" : false,  
    "statusCode" : false,  
    "unmarshallLocationName" : "nextToken",  
    "uri" : false  
  },  
  "idempotencyToken" : false,  
  "list" : false,  
  "listModel" : null,  
  "map" : false,  
  "mapModel" : null,  
  "name" : "NextToken",  
  "setterDocumentation" : "/*<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.*/",  
  "setterMethodName" : "setNextToken",  
  "setterModel" : {  
    "variableDeclarationType" : "String",  
    "variableName" : "nextToken",  
    "variableType" : "String",  
    "documentation" : "",  
    "simpleType" : "String",  
    "variableSetterType" : "String"  
  },  
  "simple" : true,  
  "varargSetterDocumentation" : "/*<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",  
  "variable" : {  
    "variableDeclarationType" : "String",  
    "variableName" : "nextToken",  
    "variableType" : "String",  
    "documentation" : "<p>The token to use to retrieve the next page of results.</p>",  
    "simpleType" : "String"
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PublicIps" : {
  "c2jName" : "PublicIps",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more Elastic IP addresses.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>*/@param publicIps One or more Elastic IP addresses.@return Returns a reference to this object so that method calls can be chained together.*"/
,  "fluentSetterMethodName" : "withPublicIps",
  "getterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>*/@return One or more Elastic IP addresses.*"/
,  "getterMethodName" : "getPublicIps",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "publicIp",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**@param member @return Returns a reference to this object so that"
method calls can be chained together.*\*/

    "getMember" : "getMember",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String"}
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "PublicIps",
"setterDocumentation" : "/**
<p>One or more Elastic IP addresses.</p>
@param publicIps One or more Elastic IP addresses.</p>*/

"setterMethodName" : "setPublicIps",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "publicIps",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more Elastic IP addresses.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use 
[@link #setPublicIps(java.util.Collection)] or [@link #withPublicIps(java.util.Collection)]
 if you want to override the existing values.</p>

@param publicIps One or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "publicIps",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more Elastic IP addresses.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
} ,
"requestSignerAware" : false,
"variableSetterType" : "String"
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeMovingAddressesRequest",
"unmarshaller" : null,
"variable" : {

"variableDeclarationType" : "DescribeMovingAddressesRequest",
"variableName" : "describeMovingAddressesRequest",
"variableType" : "DescribeMovingAddressesRequest",
"documentation" : null,
"simpleType" : "DescribeMovingAddressesRequest",
"variableSetterType" : "DescribeMovingAddressesRequest"
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"wrapper" : false
},
"DescribeMovingAddressesResult" : {
"c2jName" : "DescribeMovingAddressesResult",
"customization" : {

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeMovingAddresses.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {

"c2jName" : "MovingAddressStatuses",
"c2jShape" : "MovingAddressStatusSet",
"deprecated" : false,
"documentation" : "<p>The status for each Elastic IP address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status for each Elastic IP address.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMovingAddressStatuses",
"getterDocumentation" : "/**<p>The status for each Elastic IP address.</p>\n@returns The status for each Elastic IP address.*/",
"getterMethodName" : "getMovingAddressStatuses",
"getterModel" : {

"returnType" : "java.util.List<MovingAddressStatus>",
"documentation" : null
}
}];
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MovingAddressStatusSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "movingAddressStatusSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "MovingAddressStatus",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@returns {MovingAddressStatus} Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@returns {MovingAddressStatus} Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "MovingAddressStatus",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item"
"uri" : false },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "MovingAddressStatus",
 "variableName" : "member",
 "variableType" : "MovingAddressStatus",
 "documentation" : "",
 "simpleType" : "MovingAddressStatus",
 "variableSetterType" : "MovingAddressStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "MovingAddressStatus",
 "variableName" : "member",
 "variableType" : "MovingAddressStatus",
 "documentation" : "",
 "simpleType" : "MovingAddressStatus",
 "variableSetterType" : "MovingAddressStatus"
},
"xmlNameSpaceUri" : null },
"memberLocationName" : "item",
"memberType" : "MovingAddressStatus",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "MovingAddressStatus",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
"templateType" : "java.util.List<MovingAddressStatus>
",
"map" : false,
"mapModel" : null,
"name" : "MovingAddressStatuses",
"setterDocumentation" : "/**<p>The status for each Elastic IP address.</p>
@param movingAddressStatuses The status for each Elastic IP address.*/",The status for each Elastic IP address.*/"},
"setterMethodName": "setMovingAddressStatuses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
  "variableName": "movingAddressStatuses",
  "variableType": "java.util.List<MovingAddressStatus>",
  "documentation": "",
  "simpleType": "List<MovingAddressStatus>",
  "variableSetterType": "java.util.Collection<MovingAddressStatus>",
  "simple": false,
  "varargSetterDocumentation": "/**<p>The status for each Elastic IP address.\n<p>Note:</b> This method appends the values to the existing list (if any). Use [@link #setMovingAddressStatuses(java.util.Collection)] or [@link withMovingAddressStatuses(java.util.Collection)] if you want to override the existing values.\n@param movingAddressStatuses The status for each Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
    "variableName": "movingAddressStatuses",
    "variableType": "java.util.List<MovingAddressStatus>",
    "documentation": "The status for each Elastic IP address.",
    "simpleType": "List<MovingAddressStatus>",
    "variableSetterType": "java.util.Collection<MovingAddressStatus>",
  },
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n</p>
  "enumType": null,
  "fluentSetterDocumentation": "The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getNextToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,"
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : ",",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : ":<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
  "MovingAddressStatuses" : {
    "c2jName" : "MovingAddressStatuses",
...
"c2jShape" : "MovingAddressStatusSet",
"deprecated" : false,
"documentation" : "The status for each Elastic IP address.",
"enumType" : null,
"fluentSetterDocumentation" : "The status for each Elastic IP address.
@param movingAddressStatuses The status for each Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withMovingAddressStatuses",
"getterDocumentation" : "The status for each Elastic IP address.

@param movingAddressStatuses The status for each Elastic IP address.
@return The status for each Elastic IP address.
",
"getterMethodName" : "getMovingAddressStatuses",
"getterModel" : {
"returnType" : "java.util.List<MovingAddressStatus>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MovingAddressStatusSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "movingAddressStatusSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"ListModelModel" : {
"c2jName" : "member",
"c2jShape" : "MovingAddressStatus",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "@param member
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "MovingAddressStatus",
"documentation" : ""}
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "MovingAddressStatus",
  "variableName" : "member",
  "variableType" : "MovingAddressStatus",
  "documentation" : "",
  "simpleType" : "MovingAddressStatus",
  "variableSetterType" : "MovingAddressStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "MovingAddressStatus",
  "variableName" : "member",
  "variableType" : "MovingAddressStatus",
  "documentation" : "",
  "simpleType" : "MovingAddressStatus",
  "variableSetterType" : "MovingAddressStatus"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "MovingAddressStatus"
The status for each Elastic IP address.

**NOTE:** This method appends the values to the existing list (if any). Use `@link #setMovingAddressStatuses(java.util.Collection)` or `@link #withMovingAddressStatuses(java.util.Collection)` if you want to override the existing values.

@example

```java
def setMovingAddressStatuses(java.util.Collection<MovingAddressStatus> movingAddressStatuses)
```

Returns a reference to this object so that method calls can be chained together.

The status for each Elastic IP address.

This method appends the values to the existing list (if any). Use `@link #setMovingAddressStatuses(java.util.Collection)` or `@link #withMovingAddressStatuses(java.util.Collection)` if you want to override the existing values.

@example

```java
def withMovingAddressStatuses(java.util.Collection<MovingAddressStatus> movingAddressStatuses)
```

The status for each Elastic IP address.

The token to use to retrieve the next page of results. This value is `null` when there are no more results to return.

@example

```java
def getNextToken()
```

The token to use to retrieve the next page of results. This value is
null when there are no more results to return.

@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>

@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.*/

"getterMethodName" : "getNextToken",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "nextToken",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "nextToken",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "nextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>

@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.*/

"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>

@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.*/

"varargSetterName" : "withNextToken",
"varargSetterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
the next page of results. This value is \n when there are no more results to return.\n
*Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "The token to use to retrieve the next page of results. This value is \n when there are no more results to return.\n",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeMovingAddressesResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeMovingAddressesResult",
    "variableName" : "describeMovingAddressesResult",
    "variableType" : "DescribeMovingAddressesResult",
    "documentation" : null,
    "simpleType" : "DescribeMovingAddressesResult",
    "variableSetterType" : "DescribeMovingAddressesResult"
},
"wrapper" : false
},
"DescribeNatGatewaysRequest" : {
    "c2jName" : "DescribeNatGatewaysRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Contains the parameters for DescribeNatGateways.\n",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
"marshaller"
{
  "action" : "DescribeNatGateways",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},

"members"
{
  "c2jName" : "NatGatewayIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more NAT gateway IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param natGatewayIds One or more NAT gateway IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNatGatewayIds",
  "getterDocumentation" : "/**\n@return One or more NAT gateway IDs.*/",
  "getterMethodName" : "getNatGatewayIds",
  "getterModel" : 
  {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },

  "http"
  {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NatGatewayId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NatGatewayId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : 
  {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : 
    {
      "c2jName" : "member",
      "c2jShape" : "String",
      "c2jType" : "ValueStringList",
      "c2jWrapperName" : null
    }
  }
}

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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "NatGatewayIds",
"setterDocumentation" : "**One or more NAT gateway IDs.**

@param natGatewayIds One or more NAT gateway IDs. */",
"setterMethodName" : "setNatGatewayIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "natGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "**One or more NAT gateway IDs.**

@vararg

NOTE: This method appends the values to the existing list (if any). Use (@link setNatGatewayIds(java.util.Collection)) or (@link withNatGatewayIds(java.util.Collection)) if you want to override the existing values.

@vararg

return

Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "natGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more NAT gateway IDs. */",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "**One or more NAT gateway IDs.**

@vararg

NOTE: This method appends the values to the existing list (if any). Use (@link setNatGatewayIds(java.util.Collection)) or (@link withNatGatewayIds(java.util.Collection)) if you want to override the existing values.

@vararg

return

Returns a reference to this object so that method calls can be chained together. */"}
"xmlNameSpaceUri" : null
},
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. The ID of the NAT gateway. The state of the NAT gateway. The ID of the subnet in which the NAT gateway resides. The ID of the VPC in which the NAT gateway resides.",
"enumType" : null,
"fluentSetterDocumentation" : "One or more filters.
The ID of the NAT gateway. The state of the NAT gateway. The ID of the subnet in which the NAT gateway resides. The ID of the VPC in which the NAT gateway resides.

@return Returns a reference to this object so that method calls can be chained together.*",
"getterMethodName" : "getFilter",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalmarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**
One or more filters.

- The ID of the NAT gateway.
- The state of the NAT gateway
- The ID of the subnet in which the NAT gateway resides.
- The ID of the VPC in which the NAT gateway resides.

- The ID of the NAT gateway.
- The state of the NAT gateway
- The ID of the VPC in which the NAT gateway resides.

*/"
"setterMethodName": "setFilter",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filter",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> <li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> </ul> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [<a>@link #setFilter(java.util.Collection)</a>] or [<a>@link #withFilter(java.util.Collection)</a>] if you want to override the existing values.</p> <ul> <li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> <li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> </ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [<a>@link #setFilter(java.util.Collection)</a>] or [<a>@link #withFilter(java.util.Collection)</a>] if you want to override the existing values.</p> <ul> <li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> <li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> </ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [<a>@link #setFilter(java.util.Collection)</a>] or [<a>@link #withFilter(java.util.Collection)</a>] if you want to override the existing values.</p> <ul> <li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> <li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> </ul>"
},
"xmlNameSpaceUri": "null",
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

<p><b>Constraint:</b> If the value specified is greater than 1000, we return only 1000 items.</p>",
"enumType": null,
"fluentSetterDocumentation": "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

<p><b>Constraint:</b> If the value specified is greater than 1000, we return only 1000 items.</p>"
next set of results.</p> <p>@return Returns a reference to this object so that method calls can be chained together.</p>

    "fluentSetterMethodName" : "withMaxResults",
    "getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value
specified is greater than 1000, we return only 1000 items.</p>\n@return The maximum number of items to return
for this request. The request returns a token that you can specify in a subsequent call to get the next set of
results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>*/",
    "getterMethodName" : "getMaxResults",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "MaxResults",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "MaxResults",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "MaxResults",
    "setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value
specified is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of
items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of
results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>*/",
    "setterMethodName" : "setMaxResults",
    "setterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "maxResults",
        "variableType" : "Integer",
        "documentation" : "",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "Integer",
    "variableName": "maxResults",
    "variableType": "Integer",
    "documentation": "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token to retrieve the next page of results.</p>
@param nextToken
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The token to retrieve the next page of results.</p>
@return The token to retrieve the next page of results.*/",
"getterMethodName": "getNextToken",
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NextToken",
    "queryString": null,
    "statusCode": false,
    "unmarshallLocationName": "NextToken"
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Filter" : {
    "c2jName" : "Filter",
    "c2jShape" : "FilterList",
    "deprecated" : false,
gateway resides. </li> <li> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides. 

**Return**

One or more filters.

- **nat-gateway-id**
  - The ID of the NAT gateway.

- **state**
  - The state of the NAT gateway (pending | failed | available | deleting | deleted).

- **subnet-id**
  - The ID of the subnet in which the NAT gateway resides.

- **vpc-id**
  - The ID of the VPC in which the NAT gateway resides.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "One or more filters.

- **nat-gateway-id**
  - The ID of the NAT gateway.

- **state**
  - The state of the NAT gateway (pending | failed | available | deleting | deleted).

- **subnet-id**
  - The ID of the subnet in which the NAT gateway resides.

- **vpc-id**
  - The ID of the VPC in which the NAT gateway resides.

@returns One or more filters.

- **nat-gateway-id**
  - The ID of the NAT gateway.

- **state**
  - The state of the NAT gateway (pending | failed | available | deleting | deleted).

- **subnet-id**
  - The ID of the subnet in which the NAT gateway resides.

- **vpc-id**
  - The ID of the VPC in which the NAT gateway resides.

@returns Returns a reference to this object so that method calls can be chained together."/";

"getterMethodName" : "getFilter",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null,
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false,
},
"idempotencyToken" : false,
"list" : true,
"listModel" : [
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
  },
]}
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/** @param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/** @param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> 
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> 
<li> <p> <code>state</code> - The state of the NAT gateway</li> </ul>
@param filter One or more filters.</p> <ul> 
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway</li> 
<li> <p> <code>state</code> - The state of the NAT gateway</li> 
<li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</li> </ul>
*/",
"setterMethodName" : "setFilter",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
   "variableName" : "filter",
   "variableType" : "java.util.List<Filter>",
   "documentation" : "",
   "simpleType" : "List<Filter>",
   "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"variargSetterDocumentation" : "/*<p>One or more filters.</p> <ul> <li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> <li> <p> <code>state</code> - The state of the NAT gateway</li> </ul>
- The ID of the NAT gateway.
- The state of the NAT gateway
- The ID of the subnet in which the NAT gateway resides.
- The ID of the VPC in which the NAT gateway resides.
*/",
"variargMethodName" : "setFilter",
"variargModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
   "variableName" : "filter",
   "variableType" : "java.util.List<Filter>",
   "documentation" : "",
   "simpleType" : "List<Filter>",
   "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
resides.<p> <li>Note: This method appends the values to the existing list (if any). Use
[@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override
the existing values.<p><ul><li>@param filter One or more filters.<p><ul><li>@code>nat-gateway-id</code> - The ID of
the NAT gateway.<p> <li>@code>state</code> - The state of the NAT gateway
(<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> |
<code>deleted</code>).<p> <li>@code>subnet-id</code> - The ID of the subnet in which the NAT
gateway resides.<p> <li>@code>vpc-id</code> - The ID of the VPC in which the NAT gateway
resides.<p> <li>@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters.<p> <li>@code>nat-gateway-id</code> - The ID of
the NAT gateway.<p> <li>@code>state</code> - The state of the NAT gateway
(<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> |
<code>deleted</code>).<p> <li>@code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.<p> <li>@code>vpc-id</code> - The ID of the VPC in which the NAT gateway
resides.<p> <li.components" : "" variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filter",
"variableType" : "java.util.List<Filter>",
"documentation" : "One or more filters.<p> <li>@code>nat-gateway-id</code> - The ID of
the NAT gateway.<p> <li>@code>state</code> - The state of the NAT gateway
(<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> |
<code>deleted</code>).<p> <li>@code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.<p> <li>@code>vpc-id</code> - The ID of the VPC in which the NAT gateway
resides.<p> <li>@return Returns a reference to this object so that method calls can be chained together.*/",

"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.<p> <p>Constraint: If the value specified is
greater than 1000, we return only 1000 items.";

"fluentSetterDocumentation" : "The maximum number of items to return for this request. The request
returns a token that you can specify in a subsequent call to get the next set of results.<p> <p>Constraint: If the value
specified is greater than 1000, we return only 1000 items.";

"getterDocumentation" : "The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.<p> <p>Constraint: If the value
specified is greater than 1000, we return only 1000 items.";

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {


"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p> <p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
Constraint: If the value specified is greater than 1000, we return only 1000 items."}
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NatGatewayIds" : {
"c2jName" : "NatGatewayIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more NAT gateway IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more NAT gateway IDs.</p>
@param natGatewayIds One or more NAT gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGatewayIds",
"getterDocumentation" : "/**<p>One or more NAT gateway IDs.</p>
@return One or more NAT gateway IDs.*/",
"getterMethodName" : "getNatGatewayIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NatGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : "",
"fluentSetterDocumentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "NatGatewayIds",
"setterDocumentation" : "/**<p>One or more NAT gateway IDs.</p>
@param natGatewayIds One or more
NAT gateway IDs.*/",
"setterMethodName" : "setNatGatewayIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "natGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more NAT gateway IDs.</p>
<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use {@link #setNatGatewayIds(java.util.Collection)} or
{@link #withNatGatewayIds(java.util.Collection)} if you want to override the existing values.</p>
@param
natGatewayIds One or more NAT gateway IDs.
@return Returns a reference to this object so that method calls can
be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "natGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more NAT gateway IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>\n@param nextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>\n@return The token to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>\n@param nextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/** The token to retrieve the next page of results.*/
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "The token to retrieve the next page of results.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeNatGatewaysRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeNatGatewaysRequest",
  "variableName": "describeNatGatewaysRequest",
  "variableType": "DescribeNatGatewaysRequest",
  "documentation": null,
  "simpleType": "DescribeNatGatewaysRequest",
  "variableSetterType": "DescribeNatGatewaysRequest"
},
"wrapper": false
},
"DescribeNatGatewaysResult": {
  "c2jName": "DescribeNatGatewaysResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "Contains the output of DescribeNatGateways.",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "variable": {
    "variableDeclarationType": "DescribeNatGatewaysResult",
    "variableName": "describeNatGatewaysResult",
    "variableType": "DescribeNatGatewaysResult",
    "documentation": null,
    "simpleType": "DescribeNatGatewaysResult",
    "variableSetterType": "DescribeNatGatewaysResult"
  }
}
"c2jName" : "NatGateways",
"c2jShape" : "NatGatewayList",
"deprecated" : false,
"documentation" : "<p>Information about the NAT gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param natGateways
Information about the NAT gateways.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGateways",
"getterDocumentation" : "/**
@return Information about the NAT gateways.*/",
"getterMethodName" : "getNatGateways",
"getterModel" : {
  "returnType" : "java.util.List<NatGateway>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NatGatewaySet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "natGatewaySet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "NatGateway",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {

"memberType" : "NatGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NatGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"templateType" : "java.util.List<NatGateway>",
},
"map" : false,
"mapModel" : null,
"name" : "NatGateways",
"setterDocumentation" : "/**<p>Information about the NAT gateways.</p>
@param natGateways Information about the NAT gateways.*/
,"setterMethodName" : "setNatGateways",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"variableName" : "natGateways",
"variableType" : "java.util.List<NatGateway>",
"documentation" : "",
"simpleType" : "List<NatGateway>",
"variableSetterType" : "java.util.Collection<NatGateway>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the NAT gateways.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setNatGateways(java.util.Collection)} or
{@link #withNatGateways(java.util.Collection)} if you want to override the existing values.</p>
@param natGateways Information about the NAT gateways.
@return Returns a reference to this object so that method calls can be chained together.*/
,"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"variableName" : "natGateways",
"variableType" : "java.util.List<NatGateway>",
"documentation" : "Information about the NAT gateways.\n@returns Returns a reference to this object so that method calls can be chained together.\n*/
,"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"variableName" : "natGateways",
"variableType" : "java.util.List<NatGateway>",
"documentation" : "Information about the NAT gateways.\n@returns Returns a reference to this object so that method calls can be chained together.\n*/
,"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n"}
,"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
null when there are no more results to return.

@ see the next page of results. This value is null when there are no more results to return.

Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withNextToken",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n
Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**\p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n
@return The token to use to retrieve the next page of results. This value is null when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n
@return The token to use to retrieve the next page of results. This value is null when there are no more results to return.*/"}
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "NatGateways" : {
    "c2jName" : "NatGateways",
    "c2jShape" : "NatGatewayList",
    "deprecated" : false,
    "documentation" : "<p>Information about the NAT gateways.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>Information about the NAT gateways.</p>
@param natGateways
Information about the NAT gateways.</p>
@returns Returns a reference to this object so that method calls can be
c Chained together.*"",
    "fluentSetterMethodName" : "withNatGateways",
    "getterDocumentation" : "/** <p>Information about the NAT gateways.</p>
@returns Information about the
NAT gateways.*"",
    "getterMethodName" : "getNatGateways",
    "getterModel" : {
      "returnType" : "java.util.List<NatGateway>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NatGatewaySet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "natGatewaySet",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "NatGateway",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "NatGateway",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "NatGateway",
      "variableName": "member",
      "variableType": "NatGateway",
      "documentation": "",
      "simpleType": "NatGateway",
      "variableSetterType": "NatGateway"
    }
  }
}
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "NatGateway",
"variableName" : "member",
"variableType" : "NatGateway",
"documentation" : "",
"simpleType" : "NatGateway",
"variableSetterType" : "NatGateway"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NatGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NatGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"templateType" : "java.util.List<NatGateway>"
},
"map" : false,
"mapModel" : null,
"name" : "NatGateways",
"setterDocumentation" : "/**\n<p>Information about the NAT gateways.</p>
@param natGateways Information about the NAT gateways.*/",
"setterMethodName" : "setNatGateways",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"variableName" : "natGateways",
"variableType" : "java.util.List<NatGateway>",
"documentation" : "",
"simpleType" : "List<NatGateway>",
"variableSetterType" : "java.util.Collection<NatGateway>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the NAT gateways.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setNatGateways(java.util.Collection)\} or \{@link #withNatGateways(java.util.Collection)\} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"private" : true,
"variableName": "natGateways",
"variableType": "java.util.List<NatGateway>",
"documentation": "<p>Information about the NAT gateways.</p>",
"simpleType": "List<NatGateway>",
"variableSetterType": "java.util.Collection<NatGateway>",
"xmlNameSpaceUri": null
},
"NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName": "withNextToken",
  "getterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
  "getterMethodName": "getNextToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NextToken",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "nextToken",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**\n*p>The token to use to retrieve the next page of results. This value is<br/>\n<code>null</code> when there are no more results to return.\*/
@\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*\n",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n*p>The token to use to retrieve the next page of results. This value is<br/>\n<code>null</code> when there are no more results to return.\*/
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return
Returns a reference to this object so that method calls can be chained together.*\n",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "\n<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeNatGatewaysResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DescribeNatGatewaysResult",
  "variableName": "describeNatGatewaysResult",
  "variableType": "DescribeNatGatewaysResult",
  "documentation": null,
  "simpleType": "DescribeNatGatewaysResult",
  "variableSetterType": "DescribeNatGatewaysResult"
},
"wrapper": false}
"DescribeNetworkAclsRequest" : {
  "c2jName" : "DescribeNetworkAclsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeNetworkAcls.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeNetworkAcls",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "NetworkAclIds",
      "c2jShape" : "ValueStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more networkACL IDs.</p> <p>Default: Describes all your network ACLs.</p>"
    },
  ],
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more networkACL IDs.</p> <p>Default: Describes all your network ACLs.</p>*/
  @param networkAclIds One or more networkACL IDs.
  @param
  @return Returns a reference to this object so that method calls can be chained together.
  ",
  "fluentSetterMethodName" : "withNetworkAclIds",
  "getterDocumentation" : "/**<p>One or more network ACL IDs.</p> <p>Default: Describes all your network ACLs.</p>*/
  @return One or more network ACL IDs.
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkAclId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"ListModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@returns a reference to this object so that
  method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n  @return Returns a reference to this object so that
  method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>One or more network ACL IDs.</p> <p>Default: Describes all your network
ACLs.</p><p>\n@param networkAclIds One or more network ACL IDs.</p> <p>Default: Describes all your network
ACLs.</p>
*/",
"setterMethodName": "setNetworkAclIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "networkAclIds",
  "variableType": "java.util.List<String>"} },
"mapModel": null,
"name": "NetworkAclIds",
"setterDocumentation": "/**<p>One or more network ACL IDs.</p> <p>Default: Describes all your network
ACLs.</p><p>\n@param networkAclIds One or more network ACL IDs.</p> <p>Default: Describes all your network
ACLs.</p>
*/",
"setterMethodName": "setNetworkAclIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "networkAclIds",
  "variableType": "java.util.List<String>"}
"documentation" : ":**&lt;p&gt;One or more network ACL IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your network ACLs.

<p&gt;NOTE:</p>&lt;/b&gt; This method appends the values to the existing list (if any). Use {@link setNetworkAclIds(java.util.Collection)} or {@link withNetworkAclIds(java.util.Collection)} if you want to override the existing values.

&lt;p&gt;&lt;param name="networkAclIds" &gt;One or more network ACL IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your network ACLs.

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;String&gt;",
"variableName" : "networkAclIds",
"variableType" : "java.util.List&lt;String&gt;",
"documentation" : ":**&lt;p&gt;One or more network ACL IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your network ACLs.

"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : ":**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;p&gt;&lt;code&gt;association.association-id&lt;/code&gt; - The ID of an association ID for the ACL.

&lt;p&gt;&lt;b&gt;NOTE:&lt;/b&gt; This method appends the values to the existing list (if any). Use {@link setNetworkAclIds(java.util.Collection)} or {@link withNetworkAclIds(java.util.Collection)} if you want to override the existing values.

&lt;p&gt;&lt;param name="networkAclIds" &gt;One or more network ACL IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your network ACLs.

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;String&gt;",
"variableName" : "networkAclIds",
"variableType" : "java.util.List&lt;String&gt;",
"documentation" : ":**&lt;p&gt;One or more network ACL IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your network ACLs.

"xmlNameSpaceUri" : null
",
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : ":**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;p&gt;&lt;code&gt;association.association-id&lt;/code&gt; - The ID of an association ID for the ACL.

&lt;p&gt;&lt;b&gt;NOTE:&lt;/b&gt; This method appends the values to the existing list (if any). Use {@link setNetworkAclIds(java.util.Collection)} or {@link withNetworkAclIds(java.util.Collection)} if you want to override the existing values.

&lt;p&gt;&lt;param name="networkAclIds" &gt;One or more network ACL IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your network ACLs.

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;String&gt;",
"variableName" : "networkAclIds",
"variableType" : "java.util.List&lt;String&gt;",
"documentation" : ":**&lt;p&gt;One or more network ACL IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your network ACLs.

"xmlNameSpaceUri" : null
"}
"fluentSetterDocumentation" : "/**
 One or more filters.
 <ul>
 <li> <p>
 <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li> <li> <p>
 <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> </li> <li> <p>
 <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p>
 <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p>
 <code>cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p>
 <code>egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p>
 <code>icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p>
 <code>icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p>
 <code>ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p>
 <code>port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p>
 <code>port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p>
 <code>protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> <li> <p>
 <code>rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</p> </li> <li> <p>
 <code>rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> </li> <li> <p>
 <code>network-acl-id</code> - The ID of the network ACL.</p> </li> <li> <p>
 <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p>
 <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:purpose=value</code> filter.</p> </li> <li> <p>
 <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:purpose=value</code> filter.</p> </li> <li> <p>
 <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> </ul>
@param filters One or more filters.
 <ul>
 <li> <p>
 <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li> <li> <p>
 <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> </li> <li> <p>
 <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p>
 <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p>
 <code>cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p>
 <code>egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p>
 <code>icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p>
 <code>icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p>
 <code>ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p>
 <code>port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p>
 <code>port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p>
 <code>protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> <li> <p>
 <code>rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</p> </li> <li> <p>
 <code>rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> </li> <li> <p>
 <code>network-acl-id</code> - The ID of the network ACL.</p> </li> <li> <p>
 <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p>
 <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:purpose=value</code> filter.</p> </li> <li> <p>
 <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:purpose=value</code> filter.</p> </li> <li> <p>
 <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> </ul>"
specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>vpc-id</code> - The ID of the VPC for the network ACL.</li> <li> <code>association.association-id</code> - The ID of an association ID for the ACL.</li> <li> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</li> <li> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</li> <li> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</li> <li> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</li> <li> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li> <li> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li> <li> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li> <li> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li> <li> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</li> <li> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</li> <li> <code>entry.protocol</code> - The protocol specified in the entry (\texttt{tcp} | \texttt{udp} | \texttt{icmp} or a protocol number).</li> <li> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li> <li> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li> <li> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li> <li> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li> <li> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</li> <li> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</li> <li> <code>network-acl-id</code> - The ID of the network ACL.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.\</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>vpc-id</code> - The ID of the VPC for the network ACL.</li> <li> <code>association.association-id</code> - The ID of an association ID for the ACL.</li> <li> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</li> <li> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</li> <li> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</li> <li> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</li> <li> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li> <li> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li> <li> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li> <li> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li> <li> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</li> <li> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</li> <li> <code>entry.protocol</code> - The protocol specified in the entry (\texttt{tcp} | \texttt{udp} | \texttt{icmp} or a protocol number).</li> <li> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li> <li> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li> <li> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li> <li> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li> <li> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</li> <li> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.\</li>
<code>icmp</code> or a protocol number). </li> <li><code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>). </li> <li><code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</li> <li><code>network-acl-id</code> - The ID of the network ACL.</li> <li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li><code>vpc-id</code> - The ID of the VPC for the network ACL.</li>"}
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
}.
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/** One or more filters. */ <ul><li><code>association.association-id</code> - The ID of an association ID for the ACL.</li><li><code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</li><li><code>association.subnet-id</code> - The ID of the subnet involved in the association.</li><li><code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</li><li><code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</li><li><code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li><li><code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li><li><code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li><li><code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li><li><code>entry.port-range.from</code> - The start of the port range specified in the entry.</li><li><code>entry.port-range.to</code> - The end of the port range specified in the entry.</li><li><code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li><li><code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</li><li><code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</li><li><code>network-acl-id</code> - The ID of the network ACL.</li><li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, to get any resources assigned both the tag "CostCenter"="XY" and the tag "Department"="Sales", you could use the filter "tag:<i>CostCenter</i>=<i>XY</i> and tag:<i>Department</i>=<i>Sales</i>" to get the results you want. For this example, if you used the filter "tag:<i>CostCenter</i>=<i>XY</i> or tag:<i>Department</i>=<i>Sales</i>", you would get the resources assigned either the tag "CostCenter"="XY" or the tag "Department"="Sales", or both. Use this filter to list resources that are assigned a specific tag value.
</pre>

<code>Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 5102
</code>
<p>entry.egress</p> - Indicates whether the entry applies to egress traffic.</li> <li>entry.icmp.code</li> - The ICMP code specified in the entry, if any.</li> <li>entry.icmp.type</li> - The ICMP type specified in the entry, if any.</li> <li>entry.ipv6-cidr</li> - The IPv6 CIDR range specified in the entry.</li> <li>entry.port-range.from</li> - The start of the port range specified in the entry.</li> <li>entry.port-range.to</li> - The end of the port range specified in the entry.</li> <li>entry.protocol</li> - The protocol specified in the entry (TCP | UDP | ICMP or a protocol number).</li> <li>entry.rule-action</li> - Allows or denies the matching traffic (allow | deny).</li> <li>entry.rule-number</li> - The number of an entry (in other words, rule) in the ACL's set of entries.</li> <li>network-acl-id</li> - The ID of the network ACL.</li> <li>tag</li> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose=X" for the filter name and "X" for the filter value.</li> <li>tag-key</li> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the "tag:Purpose=X" filter. This filter is independent of the "tag-key" filter. This filter will list all resources assigned the tag key Purpose (regardless of what the tag's value is), and tag value X (regardless of what the tag's key is).</li> <li>tag-value</li> - The value of a tag assigned to the resource. This filter is independent of the "tag-key" filter.</li> <li>vpc-id</li> - The ID of the VPC for the network ACL.</li> <p>}</p>
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter \`tag-key=Purpose\` and the filter \`tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter. If you only want to list resources where Purpose is X, see the `<code>tag:Purpose</code>` filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

- `<code>vpc-id</code>` - The ID of the VPC for the network ACL.

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.

```java
variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.<p> <ul> <li> <p> <code>association.association-id</code> - The ID of the network ACL involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).<p> <ul> <li> <p> <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> </li> <li> <p> <code>network-acl-id</code> - The ID of the network ACL.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter \`tag-key=Purpose\` and the filter \`tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter. If you only want to list resources where Purpose is X, see the `<code>tag:Purpose</code>` filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> 
```

```java
return Returns a reference to this object so that method calls can be chained together.""/
```
<p><code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p>

<p><code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p>

<p><code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p>

<p><code>entry.port-range.from</code> - The start of the port range specified in the entry.</p>

<p><code>entry.port-range.to</code> - The end of the port range specified in the entry.</p>

<p><code>entry.protocol</code> - The protocol specified in the entry.</p>

<p><code>entry.tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tagPurpose</code> for the filter name and <code>X</code> for the filter value.</p>

<p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>

<p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p>

<p><code>vpc-id</code> - The ID of the VPC for the network ACL.</p>
specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. 

* `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag’s value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag:key</code>` filter.

* `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag’s value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag:key</code>` filter.

`<code>vpc-id</code>` - The ID of the VPC for the network ACL.

```java
"enumType" : null,
"fluentSetterDocumentation" : "/**
One or more filters.

<ul>
<li>
```
the matching traffic (<code>allow</code> | <code>deny</code>).</p> <li> <p> <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> <li> <p> <code>network-acl-id</code> - The ID of the network ACL.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=VPC\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p>

```
"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**\n* One or more filters.\n*/

<code>association.association-id</code> - The ID of an association ID for the ACL.</p> <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (\code{tcp} \code{udp} \code{icmp} or a protocol number).</p> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry.</p> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry.</p> <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</p> <li> <p> <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> <li> <p> <code>network-acl-id</code> - The ID of the network ACL.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=VPC\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (\code{tcp} | \code{udp} | \code{icmp} or a protocol number).</p> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry.</p> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry.</p> <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</p> <li> <p> <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> <li> <p> <code>network-acl-id</code> - The ID of the network ACL.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=VPC\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
<code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.

<code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.

<code>entry.port-range.from</code> - The start of the port range specified in the entry.

<code>entry.port-range.to</code> - The end of the port range specified in the entry.

<code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).

<code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).

<code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.

<code>network-acl-id</code> - The ID of the network ACL.

<code>tag.key</code>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Name</code> and the filter <code>tag-value= XYZ</code>, you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value XYZ (regardless of what the tag's key is). If you want to list only resources where Name is XYZ, see the <code>tag:Name</code>=<i>XYZ</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key=Name</code> and the filter <code>tag-value= XYZ</code>, you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value XYZ (regardless of what the tag's key is). If you want to list only resources where Name is XYZ, see the <code>tag:Name</code>=<i>XYZ</i> filter.
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filters One or more
filters.</p> <ul> <li> <code>association.association-id</code> - The ID of an association ID for the ACL.</li> <li> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</li> <li> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</li> <li> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</li> <li> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</li> <li> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li> <li> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li> <li> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li> <li> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li> <li> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</li> <li> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</li> <li> <code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>vpc-id</code> - The ID of the VPC for the network ACL.</li> </ul> <pre>"setterMethodName" : "setFilters",
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"ul" <li> <code>association.association-id</code> - The ID of an association ID for the ACL.</li> <li> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</li> <li> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</li> <li> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</li> <li> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</li> <li> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li> <li> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li> <li> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li> <li> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li> <li> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</li> <li> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</li> <li> <code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>vpc-id</code> - The ID of the VPC for the network ACL.</li> */"},
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 5112
The ID of an association ID for the ACL. </li> <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> <li> <p> <code>entry.icmp.type</code> - - The ICMP type specified in the entry, if any.</p> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</p> <li> <p> <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:tag:Purpose</code> for the filter name and <code>tag:Purpose=X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter. </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> </ul>
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@return Returns a reference to this object so that method calls can be chained together.*/
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"simple": true,
"simpleType": "String",
"templateImplType": "java.util.List<String>"}
ACLs.*",
"setterMethodName" : "setNetworkAclIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "networkAclIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/*\n
One or more network ACL IDs.
Default: Describes all your network ACLs.<p>

NOTE:<b>Note</b> This method appends the values to the existing list (if any). Use { @link #setNetworkAclIds(java.util.Collection)} or { @link #withNetworkAclIds(java.util.Collection)} if you want to override the existing values.<p>

@<param name="networkAclIds">

One or more network ACL IDs.
Default: Describes all your network ACLs.
<br/>

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "networkAclIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more network ACL IDs.
Default: Describes all your network ACLs.</p>

@param networkAclIds One or more network ACL IDs.

@return Returns a reference to this object so that method calls can be chained together.*/",

"xmlNameSpaceUri" : null
}.
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeNetworkAclsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeNetworkAclsRequest",
  "variableName" : "describeNetworkAclsRequest",
  "variableType" : "DescribeNetworkAclsRequest",
  "documentation" : null,
  "simpleType" : "DescribeNetworkAclsRequest",
  "variableSetterType" : "DescribeNetworkAclsRequest"
},
"wrapper" : false
"DescribeNetworkAclsResult" : {
  "c2jName" : "DescribeNetworkAclsResult",
  "customization" : {
    "artificialResultWrapper" : null,
  }
}.
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false},
"deprecated": false,
"documentation": "<p>Contains the output of DescribeNetworkAcls.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "NetworkAcls",
  "c2jShape": "NetworkAclList",
  "deprecated": false,
  "documentation": "<p>Information about one or more network ACLs.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Information about one or more network ACLs.</p>
  @param networkAcls Information about one or more network ACLs.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNetworkAcls",
  "getterDocumentation": "/**<p>Information about one or more network ACLs.</p>
  @return Information about one or more network ACLs.*/",
  "getterMethodName": "getNetworkAcls",
  "getterModel": {
    "returnType": "java.util.List<NetworkAcl>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NetworkAclSet",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "networkAclSet",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "NetworkAcl",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/\*\n@\n*

Returns a reference to this object so that method calls can be chained together.\*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/\*\n@\n
@return\n
*\n",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "NetworkAcl",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/\*\n@\n
@return\n
*\n",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "NetworkAcl",
  "documentation" : "",
  "simpleType" : "NetworkAcl",
  "variableSetterType" : "NetworkAcl"}
}.
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkAcl",
  "variableName" : "member",
  "variableType" : "NetworkAcl",
  "documentation" : "",
  "simpleType" : "NetworkAcl",
  "variableSetterType" : "NetworkAcl"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "NetworkAcl",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkAcl",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
"templateType" : "java.util.List<NetworkAcl>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkAcls",
"setterDocumentation" : "/**<p>Information about one or more network ACLs.</p>
@param networkAcls Information about one or more network ACLs.*/",
"setterMethodName" : "setNetworkAcls",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
  "variableName" : "networkAcls",
  "variableType" : "java.util.List<NetworkAcl>",
  "documentation" : "",
  "simpleType" : "List<NetworkAcl>",
  "variableSetterType" : "java.util.Collection<NetworkAcl>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param networkAcls Information about one or more network ACLs.</p>
&lt;p&gt;NOTE: This method appends the values to the existing list (if any). Use [<link #setNetworkAcls(java.util.Collection)>or [<link #withNetworkAcls(java.util.Collection)> if you want to override the existing values.&lt;/p&gt;
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
  "variableName" : "networkAcls",
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getModel" : {
 "returnType" : "NetworkAcl",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "NetworkAcl",
 "variableName" : "member",
 "variableType" : "NetworkAcl",
 "documentation" : "",
 "simpleType" : "NetworkAcl",
 "variableSetterType" : "NetworkAcl"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "NetworkAcl",
"variableName" : "member",
"variableType" : "NetworkAcl",
"documentation" : "",
"simpleType" : "NetworkAcl",
"variableSetterType" : "NetworkAcl"}
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"variableType" : "NetworkAcl",
"documentation" : "",
"simpleType" : "NetworkAcl",
"variableSetterType" : "NetworkAcl"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkAcl",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkAcl",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
"templateType" : "java.util.List<NetworkAcl>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkAcls",
"setterDocumentation" : "/**<p>Information about one or more network ACLs.</p>
@param networkAcls Information about one or more network ACLs.*/",
"setterMethodName" : "setNetworkAcls",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
  "variableName" : "networkAcls",
  "variableType" : "java.util.List<NetworkAcl>",
  "documentation" : "",
  "simpleType" : "List<NetworkAcl>",
  "variableSetterType" : "java.util.Collection<NetworkAcl>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more network
ACLs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setNetworkAcls(java.util.Collection)] or [@link withNetworkAcls(java.util.Collection)] if you want to override
the existing values.</p>
@param networkAcls Information about one or more network ACLs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
  "variableName" : "networkAcls",
  "variableType" : "java.util.List<NetworkAcl>",
  "documentation" : "<p>Information about one or more network ACLs.</p>",
  "simpleType" : "List<NetworkAcl>",
  "variableSetterType" : "java.util.Collection<NetworkAcl>"
}
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeNetworkAclsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeNetworkAclsResult",
  "variableName" : "describeNetworkAclsResult",
  "variableType" : "DescribeNetworkAclsResult",
  "documentation" : null,
  "simpleType" : "DescribeNetworkAclsResult",
  "variableSetterType" : "DescribeNetworkAclsResult"
},
"wrapper" : false
},
"DescribeNetworkInterfaceAttributeRequest" : {
  "c2jName" : "DescribeNetworkInterfaceAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaceAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeNetworkInterfaceAttribute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {"c2jName" : "NetworkInterfaceId",
     "c2jShape" : "String",...
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.* /
",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.* /
",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The
ID of the network interface.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The ID of the network interface.
 * @param networkInterfaceId The ID of the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see NetworkInterfaceId
 */

private String networkInterfaceId;

public String getNetworkInterfaceId() {
    return networkInterfaceId;
}

public void setNetworkInterfaceId(String networkInterfaceId) {
    this.networkInterfaceId = networkInterfaceId;
}

/**
 * The attribute of the network interface.
 * @param attribute The attribute of the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see NetworkInterfaceAttribute
 */

private NetworkInterfaceAttribute attribute;

public NetworkInterfaceAttribute getAttribute() {
    return attribute;
}

public void setAttribute(NetworkInterfaceAttribute attribute) {
    this.attribute = attribute;
}

public class NetworkInterfaceAttribute {
    private String attribute;

    public String getAttribute() {
        return attribute;
    }

    public void setAttribute(String attribute) {
        this.attribute = attribute;
    }
}


"name" : "Attribute",
"setterDocumentation" : "/**<p>The attribute of the network interface.</p>
@param attribute The attribute of the network interface.</n@see NetworkInterfaceAttribute*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The attribute of the network interface.</p>
@param attribute The attribute of the network interface.</n@see NetworkInterfaceAttribute*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The attribute of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Attribute" : {
    "c2jName" : "Attribute",
    "c2jShape" : "NetworkInterfaceAttribute",
    "deprecated" : false,
    "documentation" : "<p>The attribute of the network interface.</p>",
    "enumType" : "NetworkInterfaceAttribute",
    "fluentSetterDocumentation" : "/**<p>The attribute of the network interface.</p>
@param attribute The attribute of the network interface.</n@see NetworkInterfaceAttribute*/",
    "fluentSetterMethodName" : "withAttribute",
    "getterDocumentation" : "/**<p>The attribute of the network interface.</p>
@return The attribute of the network interface.</n@see NetworkInterfaceAttribute*/",
    "getterMethodName" : "getAttribute",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
    }
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n\t\t@\n\t\t\n\t\t@param attribute The attribute of the network interface.\n\t\t@see NetworkInterfaceAttribute*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\t\t@\n\t\t\n\t\t@param attribute The attribute of the network interface.\n\t\t@see NetworkInterfaceAttribute*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "<p>The attribute of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : "null"
"fluentSetterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.
*/",
"getterMethodName": "getNetworkInterfaceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "networkInterfaceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "DescribeNetworkInterfaceAttributeRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeNetworkInterfaceAttributeRequest",
"variableName" : "describeNetworkInterfaceAttributeRequest",
"variableType" : "DescribeNetworkInterfaceAttributeRequest",
"documentation" : null,
"simpleType" : "DescribeNetworkInterfaceAttributeRequest",
"variableSetterType" : "DescribeNetworkInterfaceAttributeRequest"
},
"wrapper" : false
},
"DescribeNetworkInterfaceAttributeResult" : {
"c2jName" : "DescribeNetworkInterfaceAttributeResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeNetworkInterfaceAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"}
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.<br/>\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.<br/>\n@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.<br/>\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"name" : 
"fluentSetterDocumentation" : 
"fluentSetterMethodName" : 
"getterDocumentation" : 
"getterMethodName" : 
"getterModel" : 
"http" : 
"idempotencyToken" : 
"list" : 
"listModel" : 
"map" : 
"mapModel" : 
"name" : 
"setterDocumentation" : 
"setterMethodName" : 
"setterModel" : 
"simple" : 
"varargSetterDocumentation" : 
"variable" : 
}
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description of the network interface.</p>
@param description The description of the network interface.</param>
@return Returns a reference to this object so that method calls can be chained
          together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "+p>The description of the network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "SourceDestCheck",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether source/destination checking is enabled.</p>
  @param sourceDestCheck Indicates whether source/destination checking is enabled.</param>
  @return Returns a reference to this object so that method calls can be chained
          together.*/",
  "fluentSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
   @param sourceDestCheck Indicates whether source/destination checking is enabled.</param>
   @return Indicates whether source/destination checking is enabled.*/",
  "getterMethodName" : "getSourceDestCheck",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceDestCheck",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
@param sourceDestCheck Indicates whether source/destination checking is enabled.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
@param sourceDestCheck Indicates whether source/destination checking is enabled.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether source/destination checking is enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "Groups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>The security groups associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
@param groups The security groups associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
@return The security groups associated with the network interface.*/", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 5133
"getterMethodName": "getGroups",
"getterModel": {
  "returnType": "java.util.List<GroupIdentifier>",
  "documentation": null
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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
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  "greedy": false,
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  "unmarshallLocationName": "groupSet",
  "uri": false
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"idempotencyToken": false,
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"listModel": {
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  "interfaceType": "java.util.List",
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    "c2jShape": "GroupIdentifier",
    "deprecated": false,
    "documentation": "",
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    "fluentSetterDocumentation": "/**\n*\n*\n*return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n*\n*\n*return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "GroupIdentifier",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/*@\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/*@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
@param
@name groups The security groups associated with the network interface.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
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  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values.</p>
@name groups The security groups associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "<p>The security groups associated with the network interface.</p>",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Attachment",
"c2jShape" : "NetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "<p>The attachment (if any) of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>
@name attachment The attachment (if any) of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>
@name return The attachment (if any) of the network interface.*/",
"getterMethodName" : "getAttachment",
"getterModel" : {
  "returnType" : "NetworkInterfaceAttachment",
  "documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>
@param attachment
The attachment (if any) of the network interface.*/",
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"setterModel" : {
  "variableDeclarationType" : "NetworkInterfaceAttachment",
  "variableName" : "attachment",
  "variableType" : "NetworkInterfaceAttachment",
  "documentation" : "",
  "simpleType" : "NetworkInterfaceAttachment",
  "variableSetterType" : "NetworkInterfaceAttachment"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>
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@vararg
The attachment (if any) of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "NetworkInterfaceAttachment",
  "documentation" : "<p>The attachment (if any) of the network interface.</p>",
  "simpleType" : "NetworkInterfaceAttachment",
  "variableSetterType" : "NetworkInterfaceAttachment"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
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    "c2jName" : "Attachment",
    "c2jShape" : "NetworkInterfaceAttachment",
    
  } 
} },
"deprecated" : false,
"documentation" : "<p>The attachment (if any) of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>\n@param attachment The attachment (if any) of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>\n@return The attachment (if any) of the network interface.*/",
"getterMethodName" : "getAttachment",
"getterModel" : {
"returnType" : "NetworkInterfaceAttachment",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
},
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"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>\n@param attachment The attachment (if any) of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableName" : "attachment",
"variableType" : "NetworkInterfaceAttachment",
"documentation" : "",
"simpleType" : "NetworkInterfaceAttachment",
"variableSetterType" : "NetworkInterfaceAttachment"
},
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"varargSetterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>\n@param attachment The attachment (if any) of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/";
attachment The attachment (if any) of the network interface.

@return Returns a reference to this object so that method calls can be chained together.

    "variable" : {
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        "variableType" : "NetworkInterfaceAttachment",
        "documentation" : "<p>The attachment (if any) of the network interface.</p>",
        "simpleType" : "NetworkInterfaceAttachment",
        "variableSetterType" : "NetworkInterfaceAttachment"
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    "xmlNameSpaceUri" : null
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"Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The description of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The description of the network interface.</p>
     * @param description
     * The description of the network interface.
     * @return Returns a reference to this object so that method calls can be chained together.
     */",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>The description of the network interface.</p>
     * @return The description of the network interface.
     */",
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "description",
        "uri" : false
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    "map" : false,
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    "xmlNameSpaceUri" : null,
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"mapModel" : null,
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"setterDocumentation" : "/**\n@\n\n* The description of the network interface.\n\n*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n\n* The description of the network interface.\n\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description of the network interface.</p>
  \n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Groups" : {
  "c2jName" : "Groups",
  "c2jShape" : "GroupIdentifierList",
  "deprecated" : false,
  "documentation" : "<p>The security groups associated with the network interface.</p>
  \n  \n  @enumType : null,
  "fluentSetterDocumentation" : "/**\n@\n\n* The security groups associated with the network interface.\n\n*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**\n@\n\n* The security groups associated with the network interface.\n\n*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<GroupIdentifier>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "GroupIdentifier",
  "documentation": "",
  "simpleType": "GroupIdentifier",
  "variableSetterType": "GroupIdentifier"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "GroupIdentifier",
  "documentation": "",
  "simpleType": "GroupIdentifier",
  "variableSetterType": "GroupIdentifier"
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "GroupIdentifier",
"templateImplType": "com.amazonaws.internal.SdkInternalList<
GroupIdentifier>",
"templateType": "java.util.List<
GroupIdentifier>"
},
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**\n<p>The security groups associated with the network interface.</p>
@param groups The security groups associated with the network interface.*/",
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<
GroupIdentifier>",
  "variableName": "groups",
"xmlNameSpaceUri": null
}
"variableType" : "java.util.List&lt;GroupIdentifier&gt;",
"documentation" : "",
"simpleType" : "List&lt;GroupIdentifier&gt;",
"variableSetterType" : "java.util.Collection&lt;GroupIdentifier&gt;"
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>The security groups associated with the network interface.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setGroups(java.util.Collection)} or { @link #withGroups(java.util.Collection)} if you want to override the existing values.

@param groups The security groups associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;GroupIdentifier&gt;",
"variableName" : "groups",
"variableType" : "java.util.List&lt;GroupIdentifier&gt;",
"documentation" : "<p>The security groups associated with the network interface.</p>
"simpleType" : "List&lt;GroupIdentifier&gt;",
"variableSetterType" : "java.util.Collection&lt;GroupIdentifier&gt;"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>

@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>

@return The ID of the network interface.*/
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SourceDestCheck" : {
  "c2jName" : "SourceDestCheck",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether source/destination checking is enabled.</p>
  
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
  @param sourceDestCheck Indicates whether source/destination checking is enabled.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSourceDestCheck",
  "getterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
  @param sourceDestCheck Indicates whether source/destination checking is enabled.
  @return Indicates whether source/destination checking is enabled.*/"
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : "value",
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceDestCheck",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceDestCheck",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**
 * Indicates whether source/destination checking is enabled.
 * @param sourceDestCheck Indicates whether source/destination checking is enabled.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Indicates whether source/destination checking is enabled.
 * @param sourceDestCheck Indicates whether source/destination checking is enabled.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether source/destination checking is enabled.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
"c2jShape" : "NetworkInterfaceIdList",
"deprecated" : false,
"documentation" : "<p>One or more network interface IDs. Default: Describes all your network interfaces.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more network interface IDs. Default: Describes all your network interfaces.</p>
@param networkInterfaceIds One or more network interface IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceIds",
"getterDocumentation" : "/**
@return One or more network interface IDs.
Default: Describes all your network interfaces.*/",
"getterMethodName" : "getNetworkInterfaceIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Member",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Member",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
}

"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceIds",
"setterDocumentation" : "/**<p>One or more network interface IDs.</p> <p>Default: Describes all your network interfaces.</p>
@param networkInterfaceIds One or more network interface IDs.*/",
"setterMethodName" : "setNetworkInterfaceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "networkInterfaceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interface IDs.</p> <p>Default: Describes all your network interfaces.</p>

@NOTE: This method appends the values to the existing list (if any). Use
{@link #setNetworkInterfaceIds(java.util.Collection)} or
{@link #withNetworkInterfaceIds(java.util.Collection)} if you want to override the existing values.

@param networkInterfaceIds One or more network interface IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "networkInterfaceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more network interface IDs.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",}
One or more filters.

- `<code>addresses.private-ip-address</code>` - The private IPv4 addresses associated with the network interface.
- `<code>addresses.association.public-ip</code>` - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).
- `<code>addresses.association.owner-id</code>` - The owner ID of the addresses associated with the network interface.
- `<code>addresses.association.association-id</code>` - The association ID returned when the network interface was associated with an IPv4 address.
- `<code>addresses.association.allocation-id</code>` - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.
- `<code>addresses.association.ip-owner-id</code>` - The owner of the Elastic IP address (IPv4) associated with the network interface.
- `<code>addresses.association.public-ip</code>` - The address of the Elastic IP address (IPv4) bound to the network interface.
- `<code>addresses.association.public-dns-name</code>` - The public DNS name for the network interface (IPv4).
- `<code>attachment.attachment-id</code>` - The ID of the interface attachment.
- `<code>attachment.attachment.associate-time</code>` - The time that the network interface was associated to an instance.
- `<code>attachment.delete-on-termination</code>` - Indicates whether the attachment is deleted when an instance is terminated.
- `<code>attachment.device-index</code>` - The device index to which the network interface is attached.
- `<code>attachment.instance-id</code>` - The instance to which the network interface is attached.
- `<code>attachment.status</code>` - The status of the attachment (attaching | attached | detaching | detached).
- `<code>availability-zone</code>` - The Availability Zone of the network interface.
- `<code>description</code>` - The description of the network interface.
- `<code>group-id</code>` - The ID of a security group associated with the network interface.
- `<code>group-name</code>` - The name of a security group associated with the network interface.
- `<code>ipv6-addresses.ipv6-address</code>` - An IPv6 address associated with the network interface.
- `<code>mac-address</code>` - The MAC address of the network interface.
- `<code>network-interface-id</code>` - The ID of the network interface owner.
- `<code>owner-id</code>` - The AWS account ID of the network interface owner.
- `<code>private-ip-address</code>` - The private IPv4 address or addresses of the network interface.
- `<code>private-dns-name</code>` - The private DNS name of the network interface (IPv4).
- `<code>requester-id</code>` - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).
- `<code>requester-managed</code>` - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).
- `<code>source-desk-check</code>` - Indicates whether the network interface performs source/destination checking.
- `<code>tag:tag</code>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:tag=Purpose</code>` for the filter name and `<code>value=X</code>` for the filter value.
- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 

- The ID of the VPC for the network interface.</p> 

- The allocation ID returned when you allocated the Elastic IP address (IPv4).</p> 

- The owner ID of the addresses associated with the network interface.</p> 

- The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p> 

- The public DNS name for the network interface (IPv4).</p> 

- The ID of the interface attachment.</p> 

- The time that the network interface was attached to an instance.</p> 

- Indicates whether the attachment is deleted when an instance is terminated.</p> 

- The device index to which the network interface is attached.</p> 

- The ID of the instance to which the network interface is attached.</p> 

- The ID of the security group associated with the network interface.</p> 

- The MAC address of the network interface.</p> 

- The network interface ID.</p> 

- The ID of the network interface.</p> 

- The AWS account ID of the network interface owner.</p> 

- The private IP address of the network interface.</p> 

- The private IPv4 address or addresses of the network interface.</p> 

- The private DNS name of the network interface (IPv4).</p> 

- The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> 

- Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p> 

- Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be for the network interface to perform network address translation (NAT) in your VPC. 

- The status of the network interface. If the network interface is not attached to an instance, the status is available</code>.

- The ID of the subnet for the network interface.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

- The ID of the VPC for the network interface.

- The association ID returned when the network interface was associated with the Elastic IP address (IPv4).

- The owner ID of the addresses associated with the network interface.

- The association ID returned when the network interface was associated with an IPv4 address.

- The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.

- The owner of the Elastic IP address (IPv4) associated with the network interface.

- The address of the Elastic IP address (IPv4) bound to the network interface.

- The public DNS name for the network interface (IPv4).

- The ID of the interface attachment.

- The time that the network interface was attached to an instance.

- Indicates whether the attachment is deleted when an instance is terminated.

- The device index to which the network interface is attached.

- The ID of the instance to which the network interface is attached.

- The owner ID of the instance to which the network interface is attached.

- The ID of the NAT gateway to which the network interface is attached.

- The status of the attachment.

- The Availability Zone of the network interface.

- The description of the network interface.

- The ID of a security group associated with the network interface.

- The name of a security group associated with the network interface.

- An IPv6 address associated with the network interface.

- The MAC address of the network interface.

- The ID of the network interface.

- The owner ID of the network interface owner.

- The private IPv4 address or addresses of the network interface.

- The private DNS name of the network interface (IPv4).

- The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).

- Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).

- Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.
- Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).

- Indicates whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.

- The status of the network interface. If the network interface is not attached to an instance, the status is available; if a network interface is attached to an instance the status is in-use.

- The ID of the subnet for the network interface.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter tag-key=Purpose and the filter tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:Purpose filter.

- The value of a tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter tag-value=Purpose and the filter tag-key=X, you get any resources assigned both the tag value Purpose (regardless of what the tag's key is), and the tag key X (regardless of what the tag's value is). If you want to list only resources where X is the tag value, see the tag-value=X filter.

- The association ID returned when the network interface was associated with the Elastic IP address (IPv4).

- The ID of the VPC for the network interface.

- The owner ID of the Elastic IP address (IPv4) bound to the network interface.

- The public DNS name for the network interface (IPv4).

- The time that the network interface was attached to an instance.

- Indicates whether the attachment is deleted when an instance is terminated.

- The device index to which the network interface is attached.

- The owner ID of the instance to which the network interface is attached.

- The ID of the NAT gateway to which the network interface is attached.

- The ID of the security group associated with the network interface.

- The name of the security group associated with the network interface.

- An IPv6 address associated with the network interface.

- The MAC address of the network interface.

- The ID of the network interface.

- The AWS account ID of
the network interface owner.

- The private IPv4 address or addresses of the network interface.
- The private DNS name of the network interface (IPv4).
- The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).

- Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).

- Indicates whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be true for the network interface to perform network address translation (NAT) in your VPC.

- The status of the network interface. If the network interface is not attached to an instance, the status is available; if a network interface is attached to an instance the status is in-use.

- The ID of the subnet for the network interface.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and Purpose=X for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the tag-key and tag-value filter. For example, if you use both the filter tag-key=Purpose and the filter tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter tag:Purpose filter.

- The value of a tag assigned to the resource. This filter is independent of the tag-key and tag-value filter.

- The ID of the VPC for the network interface.
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
One or more filters. */<ul>
<li><code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</li>
<li><code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</li>
<li><code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</li>
<li><code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface.</li>
<li><code>association.association-id</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4). - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</li>
<li><code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</li>
<li><code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</li>
<li><code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).
</li>
<li><code>attachment.attachment-id</code> - The ID of the interface attachment.</li>
<li><code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</li>
<li><code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</li>
<li><code>attachment.device-index</code> - The device index to which the network interface is attached.</li>
<li><code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</li>
<li><code>attachment(instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</li>
<li><code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</li>
<li><code>attachment.status</code> - The status of the attachment</li>
</ul>"
network interface.</li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-disk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p> </li> <li> <p> <code>tag:Key=</code>:<i>Value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose=</code>:<i>Value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose=</code>:<i>Value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p> </li> <li> <p> <code>association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p> </li> <li> <p> <code>attachment.attached-time</code> - The time that the network interface was attached to an instance (in seconds since the epoch).</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached (if applicable).</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li>
attached.</li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</li> <li> <p> <code>attachment.status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</li> <li> <p> <code>description</code> - The description of the network interface.</li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</li> <li> <p> <code>source-dns-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the network interface.</li> <li> <p> <code>tag:Key</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=I, specify <code>tag:Purpose</code> for the filter name and <code>I</code> for the filter value.</li> <li> <p> <code>tag:Value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag:Key</code> filter. For example, if you use both the filter "tag:Key=Purpose" and the filter "tag:Value=I", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value I (regardless of what the tag's key is). If you want to list only resources where Purpose is I, see the <code>tag:Key=Purpose</code> filter. In this case, specify <code>tag:Key=Purpose</code> for the filter name and <code>Y</code> for the filter value.</li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</li>

"setterMethodName": "setFilters",
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  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": 
"\*\*<p>One or more filters.</li></p>

<code>addresses</code> - The private IPv4 addresses associated with the network interface.</li> <li> <p> <code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</li> <li> <p> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network
interface.</p> </li> <li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</p> </li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Example, specify <code>tag:Purpose</code> for the filter name and <code>Example</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key= Purpose" and the filter "tag-value=Production", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Production (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag: Purpose</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li> </ul>

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.
- The private IPv4 addresses associated with the network interface.
- Whether the private IPv4 address is the primary IP address associated with the network interface.
- The association ID returned when the network interface was associated with the Elastic IP address (IPv4).
- The owner ID of the addresses associated with the network interface.
- The association ID returned when the network interface was associated with an IPv4 address.
- Whether the private IPv4 address is the primary IP address associated with the network interface.
- Indicates whether the attachment is deleted when an instance is terminated.
- The device index to which the network interface is attached.
- The ID of the instance to which the network interface is attached.
- The ID of the network interface attached to an instance.
- The time that the network interface was attached to an instance.
- Indicates whether the attachment is managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).
- Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).
- Indicates whether the network interface performs source/destination checking. A value of "true" means checking is enabled, and "false" means checking is disabled. The value must be "false" for the network interface to perform network address translation (NAT) in your VPC.
- The status of the network interface. If the network interface is not attached to an instance, the status is "available"; if a network interface is attached to an instance, the status is "in-use".
- The ID of the subnet for the network interface.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose
is X, see the \texttt{<code>tag</code>:<i>key</i>=<i>value</i> filter}.\texttt{</li>\texttt{<p> \texttt{<code>tag-value</code>} - The value of a tag assigned to the resource. This filter is independent of the \texttt{<code>tag-key</code>} filter.}\texttt{</li>\texttt{<p> \texttt{<code>vpc-id</code>} - The ID of the VPC for the network interface.}\texttt{</li>\texttt{<p>\texttt{ln}@return Returns a reference to this object so that method calls can be chained together.*/","}}\texttt{"variable": {}}\texttt{}}
\texttt{"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>"},\texttt{"variableName": "filters"},\texttt{}}\texttt{"variableType": "java.util.List<Filter>"},\texttt{}}\texttt{\"documentation\": \"<p>One or more filters.</p>\texttt{\texttt{ul}\texttt{<li>\texttt{<p> \texttt{<code>addresses.private-ip-address</code>} - The private IPv4 addresses associated with the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>addresses.primary</code>} - Whether the private IPv4 address is the primary IP address associated with the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>addresses.association.public-ip</code>} - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).}\texttt{</li>\texttt{<p> \texttt{<code>addresses.association.owner-id</code>} - The owner ID of the addresses associated with the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>association.association-id</code>} - The association ID returned when the network interface was associated with an IPv4 address.}\texttt{</li>\texttt{<p> \texttt{<code>association.allocation-id</code>} - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.}\texttt{</li>\texttt{<p> \texttt{<code>association.ip-owner-id</code>} - The owner of the Elastic IP address (IPv4) associated with the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>association.public-ip</code>} - The address of the Elastic IP address (IPv4) bound to the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>association.public-dns-name</code>} - The public DNS name for the network interface (IPv4).}\texttt{</li>\texttt{<p> \texttt{<code>attachment.attachment-id</code>} - The ID of the interface attachment.}\texttt{</li>\texttt{<p> \texttt{<code>attachment.attach.time</code>} - The time that the network interface was attached to an instance.}\texttt{</li>\texttt{<p> \texttt{<code>attachment.delete-on-termination</code>} - Indicates whether the attachment is deleted when an instance is terminated.}\texttt{</li>\texttt{<p> \texttt{<code>attachment.device-index</code>} - The device index to which the network interface is attached.}\texttt{</li>\texttt{<p> \texttt{<code>attachment.instance-id</code>} - The ID of the instance to which the network interface is attached.}\texttt{</li>\texttt{<p> \texttt{<code>attachment.instance-owner-id</code>} - The owner ID of the instance to which the network interface is attached.}\texttt{</li>\texttt{<p> \texttt{<code>attachment.nat-gateway-id</code>} - The ID of the NAT gateway to which the network interface is attached.}\texttt{</li>\texttt{<p> \texttt{<code>attachment.status</code>} - The status of the attachment.}\texttt{</li>\texttt{<p> \texttt{<code>attach.time</code>} - The time that the network interface was attached to an instance.}\texttt{</li>\texttt{<p> \texttt{<code>availability-zone</code>} - The Availability Zone of the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>description</code>} - The description of the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>group-id</code>} - The ID of a security group associated with the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>group-name</code>} - The name of a security group associated with the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>ipv6-addresses.ipv6-address</code>} - An IPv6 address associated with the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>mac-address</code>} - The MAC address of the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>network-interface-id</code>} - The ID of the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>owner-id</code>} - The AWS account ID of the network interface owner.}\texttt{</li>\texttt{<p> \texttt{<code>private-ip-address</code>} - The private IPv4 address or addresses of the network interface.}\texttt{</li>\texttt{<p> \texttt{<code>private-dns-name</code>} - The private DNS name of the network interface (IPv4).}\texttt{</li>\texttt{<p> \texttt{<code>requester-id</code>} - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).}\texttt{</li>\texttt{<p> \texttt{<code>source-desk-check</code>} - Indicates whether the network interface performs source/destination checking. A value of \texttt{<code>true</code>} means checking is enabled, and \texttt{<code>false</code>} means checking is disabled. The value must be \texttt{<code>true</code>}} for the network interface to perform network address translation (NAT) in your VPC.}\texttt{</li>\texttt{<p> \texttt{<code>status</code>} - The status of the network interface. If the network interface is not attached to an instance, the status is}
<li><p><code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p></li> <li><p><code>mac-address</code> - The MAC address of the network interface.</p></li> <li><p><code>network-interface-id</code> - The ID of the network interface.</p></li> <li><p><code>owner-id</code> - The AWS account ID of the network interface owner.</p></li> <li><p><code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p></li> <li><p><code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p></li> <li><p><code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p></li> <li><p><code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p></li> <li><p><code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p></li> <li><p><code>subnet-id</code> - The ID of the subnet for the network interface.</p></li>
status of the attachment (<code>attaching</code>) | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p>
</li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</p>
</li> <li> <p> <code>description</code> - The description of the network interface.</p>
</li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p>
</li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p>
</li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p>
</li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p>
</li> <li> <p> <code>network-attachment-id</code> - The ID of the network interface attachment.</p>
</li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p>
</li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p>
</li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p>
</li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p>
</li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p>
</li> <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p>
</li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p>
</li> <li> <p> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the</p>
</li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p>
</li> <ul> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p>
</li> <li> <p> <code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p>
</li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p>
</li> <li> <p> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface.</p>
</li> <li> <p> <code>association.id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p>
</li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p>
</li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p>
</li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p>
</li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p>
</li> <li> <p> <code>attachment.id</code> - The ID of the interface attachment.</p>
</li> <li> <p> <code>attachment.attach-time</code> - The time that the network interface was attached to an instance.</p>
</li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p>
</li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p>
</li> <li> <p> <code>attachment.instance-id</code> - The instance ID of the instance to which the network interface is attached.</p>
</li> <li> <p> <code>attachment.requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p>
</li> <li> <p> <code>attachment.requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p>
</li> <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p>
</li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p>
</li> <li> <p> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the</p>
</li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p>
</li> <ul> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p>
</li> <li> <p> <code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p>
</li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p>
</li> <li> <p> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface.</p>
</li> <li> <p> <code>association.id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p>
</li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p>
</li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p>
</li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p>
</li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p>
</li> <li> <p> <code>attachment.id</code> - The ID of the interface attachment.</p>
</li> <li> <p> <code>attachment.attach-time</code> - The time that the network interface was attached to an instance.</p>
</li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p>
</li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p>
</li>
DNS name for the network interface (IPv4).

- The ID of the interface attachment.
- The time that the network interface was attached to an instance.
- Indicates whether the attachment is deleted when an instance is terminated.
- The device index to which the network interface is attached.
- The ID of the interface to which the network interface is attached.
- The owner ID of the instance to which the network interface is attached.
- The ID of the NAT gateway to which the network interface is attached.
- The status of the attachment.
- The private IPv4 address or addresses of the network interface.
- The MAC address of the network interface.
- The AWS account ID of the network interface owner.
- The ID of the entity that launched the instance on your behalf.
- Indicates whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled.
- The status of the network interface. If the network interface is not attached to an instance, the status is available.
- If a network interface is attached to an instance the status is in-use.
- The ID of the subnet for the network interface.
- The ID of the VPC for the network interface.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose=X for the filter name and X for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag:value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=X tag-value=X filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=X tag-value=X filter.
- The value of a tag assigned to the resource. This filter is independent of the tag:tag-key filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=X tag-value=X filter.
- The ID of the VPC for the network interface.
- The association ID returned when the network interface was associated with the Elastic IP address (IPv4).
- The owner ID of the addresses associated with the network interface.
- The association ID returned when the network interface was associated with an IPv4 address.
- The allocation ID returned when
you allocated the Elastic IP address (IPv4) for your network interface.</li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>attachment.associate-time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</p> </li> <li> <p> <code>attachment.status</code> - The status of the attachment (attaching | attached | detaching | detached).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</p> </li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-dedes-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the network interface.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li>
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    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
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    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Filter",
      "deprecated" : false,
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      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
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        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "location" : null,
        "marshallLocationName" : "Filter",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Filter",
    }
  }
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"setterDocumentation" : "/**\n@\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**\nOne or more filters.\n<ul>
<li> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.\n</li>
<li> <p>\n</p>\n</li>
"
addresses.primary - Whether the private IPv4 address is the primary IP address associated with the network interface. </li> <li> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4). </li> <li> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface. </li> <li> <code>addresses.association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address. </li> <li> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. </li> <li> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. </li> <li> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4). </li> <li> <code>attachment.attachment-id</code> - The ID of the interface attachment. </li> <li> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated. </li> <li> <code>attachment.device-index</code> - The device index to which the network interface is attached. </li> <li> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached. </li> <li> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. </li> <li> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached. </li> <li> <code>attachment.status</code> - The status of the attachment. </li> <code>availability-zone</code> - The Availability Zone of the network interface. </li> <li> <code>description</code> - The description of the network interface. </li> <li> <code>group-id</code> - The ID of a security group associated with the network interface. </li> <li> <code>group-name</code> - The name of a security group associated with the network interface. </li> <li> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface. </li> <li> <code>mac-address</code> - The MAC address of the network interface. </li> <li> <code>network-interface-id</code> - The ID of the network interface. </li> <li> <code>owner-id</code> - The AWS account ID of the network interface owner. </li> <li> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface. </li> <li> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4). </li> <li> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). </li> <li> <code>source-desk-check</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). </li> <li> <code>tag.key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </li> <li> <code>tag:tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key=value</code> filter.
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p> </li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p> </li> <li> <p> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</p> </li> <li> <p> <code>attachment.status</code> - The status of the attachment (attaching, attached, detaching, detached).</p> </li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-desock-check</code> - Indicates whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is available; if a network interface is attached to an instance the status is in-use.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the network interface.</p> </li> <li> <p> <code>tag:Key</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>purpose</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and
You can use the filter "tag-value=X" to get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. The ID of the VPC for the network interface.

- The <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
- The ID of the VPC for the network interface.

- The <code>addresses</code> - The private IPv4 addresses associated with the network interface.
  - The private IPv4 addresses associated with the network interface.
  - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).
  - The association ID returned when you allocated the Elastic IP address (IPv4) for your network interface.
  - The owner ID of the addresses associated with the network interface.
  - The association ID returned when the network interface was associated with an IPv4 address.
  - The address of the Elastic IP address (IPv4) bound to the network interface.
  - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.
  - The owner ID of the Elastic IP address (IPv4) associated with the network interface.
  - The address of the Elastic IP address (IPv4) associated with the network interface.
  - The public DNS name for the network interface (IPv4).
  - The ID of the attachment.
  - Indicates whether the attachment is deleted when an instance is terminated.
  - The device index to which the network interface is attached.
  - The ID of the instance to which the network interface is attached.
  - The ID of the instance to which the network interface is attached.
  - The status of the attachment.
  - The Availability Zone of the network interface.
  - The description of the network interface.
  - The ID of a security group associated with the network interface.
  - The name of a security group associated with the network interface.
  - An IPv6 address associated with the network interface.
  - The MAC address of the network interface.
  - The ID of the network interface.
  - The AWS account ID of the network interface owner.
  - The private IPv4 address associated with the network interface.
  - The private IPv4 address or addresses of the network interface.
  - The private DNS name of the network interface (IPv4).
  - The ID of the entity that launched the instance on your behalf (for example, AWS Management
address</code> - The MAC address of the network interface.

- <code>network-interface-id</code> - The ID of the network interface.
- <code>owner-id</code> - The AWS account ID of the network interface owner.
- <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.
- <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).
- <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).
- <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).
- <code>source-dhcp-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.
- <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.
- <code>tag:Key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag:Value</code> filter. For example, if you use both the filter "tag:Key=Purpose" and the filter "tag:Value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Key=Purpose</code> for the filter name and <code>Value=X</code> for the filter value.
- <code>tag:Value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag:Key</code> filter. For example, if you use both the filter "tag:Key=Purpose" and the filter "tag:Value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Key=Purpose</code> for the filter name and <code>Value=X</code> for the filter value.

@return Returns a reference to this object so that method calls can be chained together.*"},

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters."}
the network interface is attached.</p>  

- **attachment.nat-gateway-id**: The ID of the NAT gateway to which the network interface is attached.</p>  

- **attachment.status**: The status of the attachment (attaching | detached).</p>  

- **availability-zone**: The Availability Zone of the network interface.</p>  

- **description**: The description of the network interface.</p>  

- **group-id**: The ID of a security group associated with the network interface.</p>  

- **group-name**: The name of a security group associated with the network interface.</p>  

- **ipv6-addresses.ipv6-address**: An IPv6 address associated with the network interface.</p>  

- **mac-address**: The MAC address of the network interface.</p>  

- **network-interface-id**: The ID of the network interface.</p>  

- **owner-id**: The AWS account ID of the network interface owner.</p>  

- **private-ip-address**: The private IPv4 address or addresses of the network interface.</p>  

- **private-dns-name**: The private DNS name of the network interface (IPv4).</p>  

- **requester-id**: The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p>  

- **requester-managed**: Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p>  

- **source-desk-check**: Indicates whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.</p>  

- **status**: The status of the network interface. If the network interface is not attached to an instance, the status is available; if a network interface is attached to an instance the status is in-use.</p>  

- **subnet-id**: The ID of the subnet for the network interface.</p>  

- **tag**: A key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Name=Example, specify name=Name and value=Example for the filter.Name=Example and value=Example for the filter.</p>  

- **tag-key**: The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter tag-key=Name and the filter tag-value=Example, you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value Example (regardless of what the tag's key is). If you want to list only resources where Name is Example, see the following example:

  
  `--
  | <code>tag</code>:<i>tag-key</i>=<i>name</i> <i>tag-value</i>=<i>Example</i>
  | filter</p>  

- **tag-value**: The value of a tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter tag-key=Name and the filter tag-value=Example, you get any resources assigned both the tag value Example (regardless of what the tag's key is), and the tag key Name (regardless of what the tag's value is). If you want to list only resources where Example is Name, see the following example:

  
  `--
  | <code>tag</code>:<i>tag-value</i>=<i>Example</i> <i>tag-key</i>=<i>name</i>
  | filter</p>  

- **vpc-id**: The ID of the VPC for the network interface.
chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceIds",
    "getterDocumentation" : "/**<p>One or more network interface IDs.</p> Default: Describes all your network interfaces.</p> <p>return One or more network interface IDs.</p> Default: Describes all your network interfaces.*/",
    "getterMethodName" : "getNetworkInterfaceIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NetworkInterfaceId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "NetworkInterfaceId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 @param member
 @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"documentation" : null,
"simpleType" : "DescribeNetworkInterfacesRequest",
"variableSetterType" : "DescribeNetworkInterfacesRequest"
},
"wrapper" : false
}
"DescribeNetworkInterfacesResult" : {
"c2jName" : "DescribeNetworkInterfacesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeNetworkInterfaces.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "NetworkInterfaces",
"c2jShape" : "NetworkInterfaceList",
"deprecated" : false,
"documentation" : "<p>Information about one or more network interfaces.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more network interfaces.</p>
@param
networkInterfaces Information about one or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**<p>Information about one or more network interfaces.</p>
@return Information about one or more network interfaces.*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
"returnType" : "java.util.List<NetworkInterface>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NetworkInterface",
  "variableName" : "member",
  "variableType" : "NetworkInterface",
  "documentation" : "",
  "simpleType" : "NetworkInterface",
  "variableSetterType" : "NetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkInterface",
  "variableName" : "member",
  "variableType" : "NetworkInterface",
  "documentation" : "",
  "simpleType" : "NetworkInterface",
  "variableSetterType" : "NetworkInterface"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkInterface",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
"templateType" : "java.util.List<NetworkInterface>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**\n p>Information about one or more network interfaces.</p>
@param networkInterfaces Information about one or more network interfaces.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<NetworkInterface>",
  "documentation" : "",
  "simpleType" : "List<NetworkInterface>",
  "variableSetterType" : "java.util.Collection<NetworkInterface>"
**NOTE:** This method appends the values to the existing list (if any). Use [com.amazonaws.internal.SdkInternalList<NetworkInterface>] or [com.amazonaws.internal.SdkInternalList<NetworkInterface>] if you want to override the existing values.

```java
networkInterfaces
```

Returns a reference to this object so that method calls can be chained together.

```java
getNetworkInterfaces()
```

Information about one or more network interfaces.

```java
setNetworkInterfaces(java.util.Collection)
```

```java
withNetworkInterfaces(java.util.Collection)
```

Information about one or more network interfaces.
"uri" : false,
},
"idempotencyToken" : false,
"list" : true,
"listModel" : { 
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : { 
"c2jName" : "member",
"c2jShape" : "NetworkInterface",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : { 
"returnType" : "NetworkInterface",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : { 
"variableDeclarationType" : "NetworkInterface",
"variableName" : "member",
"variableType" : "NetworkInterface"
}.
}
"variableType" : "NetworkInterface",
"documentation" : "",
"simpleType" : "NetworkInterface",
"variableSetterType" : "NetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",

"variable" : {
"variableDeclarationType" : "NetworkInterface",
"variableName" : "member",
"variableType" : "NetworkInterface",
"documentation" : "",
"simpleType" : "NetworkInterface",
"variableSetterType" : "NetworkInterface"
",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkInterface",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
"templateType" : "java.util.List<NetworkInterface>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**
<p>Information about one or more network interfaces.</p>
@param networkInterfaces Information about one or more network interfaces. */",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<NetworkInterface>"
"documentation" : "",
"simpleType" : "List<NetworkInterface>"
},
"variableSetterType" : "java.util.Collection<NetworkInterface>"
}
"
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Note: This method appends the values to the existing list (if any). Use @link
#setNetworkInterfaces(java.util.Collection) or @link #withNetworkInterfaces(java.util.Collection) if you want to
override the existing values.<p>@param networkInterfaces Information about one or more network interfaces.<p>@return Returns a reference to this object so that method calls can be chained together.*"*/,
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<NetworkInterface>",
  "documentation" : "<p>Information about one or more network interfaces.</p>",
  "simpleType" : "List<NetworkInterface>",
  "variableSetterType" : "java.util.Collection<NetworkInterface>"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeNetworkInterfacesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeNetworkInterfacesResult",
  "variableName" : "describeNetworkInterfacesResult",
  "variableType" : "DescribeNetworkInterfacesResult",
  "documentation" : null,
  "simpleType" : "DescribeNetworkInterfacesResult",
  "variableSetterType" : "DescribeNetworkInterfacesResult"
},
"wrapper" : false
},
"DescribePlacementGroupsRequest" : {
  "c2jName" : "DescribePlacementGroupsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribePlacementGroups.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
  "flattened" : false,
  "resultWrapper" : null
  },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DescribePlacementGroupsRequest",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "DescribePlacementGroupsRequest",
    "variableName" : "describePlacementGroupsRequest",
    "variableType" : "DescribePlacementGroupsRequest",
    "documentation" : null,
    "simpleType" : "DescribePlacementGroupsRequest",
    "variableSetterType" : "DescribePlacementGroupsRequest"
  },
  "wrapper" : false
}
"action" : "DescribePlacementGroups",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "GroupNames",
  "c2jShape" : "PlacementGroupStringList",
  "deprecated" : false,
  "documentation" : "One or more placement group names. Default: Describes all your placement groups, or only those otherwise specified."
},
"enumType" : null,
"fluentSetterDocumentation" : "/**
One or more placement group names. Default: Describes all your placement groups, or only those otherwise specified.*/
@param groupNames One or more placement group names.
@return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withGroupNames",
"getterDocumentation" : "/**
One or more placement group names. Default: Describes all your placement groups, or only those otherwise specified.*/
@return One or more placement group names.*",
"getterMethodName" : "getGroupNames",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {


"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>One or more placement group names.<p>
Default: Describes all your placement groups, or only those otherwise specified.</p>
@param groupNames One or more placement group names.<p>
Default: Describes all your placement groups, or only those otherwise specified.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
   "variableName" : "groupNames",
   "variableType" : "java.util.List<String>",
   "documentation" : "",
   "simpleType" : "List<String>",
   "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more placement group names.<p>
Default: Describes all your placement groups, or only those otherwise specified.</p>
\nNOTE:<h2>This method appends the values to the existing list (if any). Use \{link #setGroupNames(java.util.Collection)} or \{link #withGroupNames(java.util.Collection)} if you want to override the existing values.</h2>
@param groupNames One or more placement group names.<p>
Default: Describes all your placement groups, or only those otherwise specified.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
   "variableName" : "groupNames",
   "variableType" : "java.util.List<String>",
   "variableSetterType" : "java.util.Collection<String>",
   "simpleType" : "String",
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
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   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String",
   "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
   "templateType" : "java.util.List<String>",
   "marshallNonAutoConstructedEmptyLists" : false,
   "memberAdditionalMarshallingPath" : null,
   "memberAdditionalUnmarshallingPath" : null,
   "sendEmptyQueryString" : false,
   "simple" : true,
   "simpleType" : "String"
};
"documentation" : ":<p>One or more placement group names.</p> <p>Default: Describes all your placement groups, or only those otherwise specified.</p>",
"simpleType" : :":List<String>",
"variableSetterType" :":java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : ":<p>One or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>).</p> </li> </ul>

"enumType" : null,
"fluentSetterDocumentation" : ":**<p>One or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>).</p> </li> </ul>

@param filters One or more filters.
<ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>).</p> </li> 

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : ":**<p>One or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>).</p> </li> 

@return One or more filters.
<ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>).</p> </li> 

*/",
"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : ":java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodname" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member *
*/",
"setterMethodName" : "setMember",}
"setterModel": {  
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  "variableName": "member",  
  "variableType": "Filter",  
  "documentation": "",  
  "simpleType": "Filter",  
  "variableSetterType": "Filter"  
},  
"simple": false,  
"varargSetterDocumentation": "\n\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",  
"variable": {  
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  "variableName": "member",  
  "variableType": "Filter",  
  "documentation": "",  
  "simpleType": "Filter",  
  "variableSetterType": "Filter"  
},  
"xmlNameSpaceUri": null  
},  
"memberLocationName": "Filter",  
"memberType": "Filter",  
"map": false,  
"marshallNonAutoConstructedEmptyLists": false,  
"memberAdditionalMarshallingPath": null,  
"memberAdditionalUnmarshallingPath": null,  
"sendEmptyQueryString": false,  
"simple": false,  
"simpleType": "Filter",  
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",  
"templateType": "java.util.List<Filter>",  
"map": false,  
"mapModel": null,  
"name": "Filters",  
"setterDocumentation": "\n\nOne or more filters.\n\n- The name of the placement group.\n- The state of the placement group\n- The strategy of the placement group\n\n@code\n\n@code\n\n@code\n\n@code\n\n\n@code\n\n@code\n\n@code\n\n@code\n\n@code\n\n@code\n\n"
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values. </p>
@returns Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group</p> </li> <li> <p> <code>strategy</code> - The strategy of the placement group ( <code>cluster</code> ). </p> </li> 
</ul>"}];
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group</p> </li> <li> <p> <code>strategy</code> - The strategy of the placement group ( <code>cluster</code> ). </p> </li> 
</ul>"}];
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter"}
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
},
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
}
"setterDocumentation" : "/**\nOne or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group</p> </li> <li> <p> <code>strategy</code> - The strategy of the placement group</p> </li>
</ul><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) or { @link #withFilters(java.util.Collection) if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\nOne or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group</p> </li> <li> <p> <code>strategy</code> - The strategy of the placement group</p> </li>
</ul><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) or { @link #withFilters(java.util.Collection) if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
},
"simple" : false,
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 5198
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>One or more placement group names.</p> <p>Default: Describes all your placement groups, or only those otherwise specified.</p>\n@param groupNames One or more placement group names.</p> <p>Default: Describes all your placement groups, or only those otherwise specified.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more placement group names.</p> <p>Default: Describes all your placement groups, or only those otherwise specified.</p>\n@<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroupNames(java.util.Collection)} or {@link #withGroupNames(java.util.Collection)} if you want to override the existing values.\n@param groupNames One or more placement group names.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"documentation" : "One or more placement group names. Default: Describes all your placement groups, or only those otherwise specified."
,"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribePlacementGroupsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribePlacementGroupsRequest",
"variableName" : "describePlacementGroupsRequest",
"variableType" : "DescribePlacementGroupsRequest",
"documentation" : null,
"simpleType" : "DescribePlacementGroupsRequest",
"variableSetterType" : "DescribePlacementGroupsRequest"
},
"wrapper" : false
},
"DescribePlacementGroupsResult" : {
"c2jName" : "DescribePlacementGroupsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Contains the output of DescribePlacementGroups.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "PlacementGroups",
"c2jShape" : "PlacementGroupList",
"deprecated" : false,
"documentation" : "One or more placement groups.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more placement groups.</p>
\n@returns A reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName" : "withPlacementGroups",
"getterDocumentation" : "/**\p>One or more placement groups.<\p>@return One or more placement groups.*/",
"getterMethodName" : "getPlacementGroups",
"getterModel" : {
"returnType" : "java.util.List<PlacementGroup>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PlacementGroupSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placementGroupSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PlacementGroup",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentacion" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "PlacementGroup",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PlacementGroup",
  "variableName" : "member",
  "variableType" : "PlacementGroup",
  "documentation" : "",
  "simpleType" : "PlacementGroup",
  "variableSetterType" : "PlacementGroup"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PlacementGroup",
  "variableName" : "member",
  "variableType" : "PlacementGroup",
  "documentation" : "",
  "simpleType" : "PlacementGroup",
  "variableSetterType" : "PlacementGroup"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PlacementGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PlacementGroup",

---

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"templateImplType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"templateType" : "java.util.List<PlacementGroup>"
},
"map" : false,
"mapModel" : null,
"name" : "PlacementGroups",
"setterDocumentation" : "/**<p>One or more placement groups.</p>
@param placementGroups One or more placement groups.*/",
"setterMethodName" : "setPlacementGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
  "variableName" : "placementGroups",
  "variableType" : "java.util.List<PlacementGroup>",
  "documentation" : "",
  "simpleType" : "List<PlacementGroup>",
  "variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"simple" : false,
"varargsSetterDocumentation" : "/**<p>One or more placement groups.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPlacementGroups(java.util.Collection)} or {@link #withPlacementGroups(java.util.Collection)} if you want to override the existing values.</p>
@param placementGroups One or more placement groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
  "variableName" : "placementGroups",
  "variableType" : "java.util.List<PlacementGroup>",
  "documentation" : "One or more placement groups.
  
  "simpleType" : "List<PlacementGroup>",
  "variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "PlacementGroups" : {
    "c2jName" : "PlacementGroups",
    "c2jShape" : "PlacementGroupList",
    "deprecated" : false,
    "documentation" : "One or more placement groups.
    
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more placement groups.</p>
    @param placementGroups One or more placement groups.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPlacementGroups",
    "getterDocumentation" : "/**<p>One or more placement groups.</p>
    @return One or more placement groups.*/",
    "getterMethodName" : "getPlacementGroups",
    "getterModel" : null
  }
}
"returnType" : "java.util.List<PlacementGroup>",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "PlacementGroupSet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "placementGroupSet",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
   "c2jName" : "member",
   "c2jShape" : "PlacementGroup",
   "deprecated" : false,
   "documentation" : "",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "/**\n@return */",
   "getterMethodName" : "getMember",
   "getterModel" : {
    "returnType" : "PlacementGroup",
    "documentation" : null
   },
   "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
   }
  }
}
"name" : "PlacementGroups",
"setterDocumentation" : "/**<p>One or more placement groups.</p>
@param placementGroups One or more placement groups.*/",
"setterMethodName" : "setPlacementGroups",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"variableName" : "placementGroups",
"variableType" : "java.util.List<PlacementGroup>",
"documentation" : "",
"simpleType" : "List<PlacementGroup>",
"variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more placement groups.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPlacementGroups(java.util.Collection)} or {@link #withPlacementGroups(java.util.Collection)} if you want to override the existing values.</p>
@param placementGroups One or more placement groups.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"variableName" : "placementGroups",
"variableType" : "java.util.List<PlacementGroup>",
"documentation" : "<p>One or more placement groups.</p>",
"simpleType" : "List<PlacementGroup>",
"variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribePlacementGroupsResult",
"unmarshaller" : {

"flattened" : false,
"resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "DescribePlacementGroupsResult",
"variableName" : "describePlacementGroupsResult",
"variableType" : "DescribePlacementGroupsResult",
"documentation" : null,
"simpleType" : "DescribePlacementGroupsResult",
"variableSetterType" : "DescribePlacementGroupsResult"
},
"wrapper" : false
},
"DescribePrefixListsRequest" : {

}
"c2jName": "DescribePrefixListsRequest",
"customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribePrefixLists.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
    "action": "DescribePrefixLists",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
},
"members": [
    {
        "c2jName": "PrefixListIds",
        "c2jShape": "ValueStringList",
        "deprecated": false,
        "documentation": "<p>One or more prefix list IDs.</p>",
        "enumType": null,
        "fluentSetterDocumentation": "**/\n@param prefixListIds One or more prefix list IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withPrefixListIds",
        "getterDocumentation": "**/\n@return One or more prefix list IDs.*/",
        "getterMethodName": "getPrefixListIds",
        "getterModel": {
            "returnType": "java.util.List<String>",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null,
            "marshallLocationName": "PrefixListId",
...
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PrefixListId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/**<p>One or more prefix list IDs.</p>
@param prefixListIds One or more prefix list IDs.</p>*/",
"setterMethodName" : "setPrefixListIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "prefixListIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
`varargSetterDocumentation` : 

`/**
One or more prefix list IDs.

NOTE: This method appends the values to the existing list (if any). Use `{@link #setPrefixListIds(java.util.Collection)}` or `{@link #withPrefixListIds(java.util.Collection)}` if you want to override the existing values.

@returns a reference to this object so that method calls can be chained together. */

`variable` : 

`variableDeclarationType` : "com.amazonaws.internal.SdkInternalList<String>",
`variableName` : "prefixListIds",
`variableType` : "java.util.List<String>",
`documentation` : "One or more prefix list IDs.

`simpleType` : "List<String>",
`variableSetterType` : "java.util.Collection<String>"

`,

`xmlNameSpaceUri` : null

`,

`c2jName` : "Filters",
`c2jShape` : "FilterList",
`deprecated` : false,
`documentation` : "One or more filters.

<ul>
    <li> <code>prefix-list-id</code>: The ID of a prefix list.
    </li>
    <li> <code>prefix-list-name</code>: The name of a prefix list.
    </li>
</ul>

@returns a reference to this object so that method calls can be chained together. */

`fluentSetterDocumentation` : 

`/**
One or more filters.

<ul>
    <li> <code>prefix-list-id</code>: The ID of a prefix list.
    </li>
    <li> <code>prefix-list-name</code>: The name of a prefix list.
    </li>
</ul>

@returns a reference to this object so that method calls can be chained together. */

`getterDocumentation` : 

`/**
One or more filters.

<ul>
    <li> <code>prefix-list-id</code>: The ID of a prefix list.
    </li>
    <li> <code>prefix-list-name</code>: The name of a prefix list.
    </li>
</ul>

@return One or more filters.

`getterMethodName` : "getFilters",
`getterModel` : 

`returnType` : "java.util.List<Filter>",
`documentation` : null

`,

`http` : 

`additionalMarshallingPath` : null,
`additionalUnmarshallingPath` : null,
`flattened` : false,
`greedy` : false,
`header` : false,
`isPayload` : false,
`isStreaming` : false,
`location` : null,
`marshallLocationName` : "Filter",
`queryString` : false,
`statusCode` : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter"
"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
}
,"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Filter",
"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
}
,"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
}
,"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
<p>One or more filters.</p> <ul> <li> <p> <code>prefix-list-id</code>: The ID of a prefix list.</p> </li> <li> <p> <code>prefix-list-name</code>: The name of a prefix list.</p> </li> /*
@param filters One or more filters.</p> <ul> <li> <p> <code>prefix-list-id</code>: The ID of a prefix list.</p> </li> <li> <p> <code>prefix-list-name</code>: The name of a prefix list.</p> </li>*/",
"setterMethodName": "setFilters",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
}
,"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p>
<li> <p> <code>prefix-list-id</code>: The ID of a prefix list.</p> </li>
<li> <p> <code>prefix-list-name</code>: The name of a prefix list.</p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>
<p>@param filters One or more filters.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName": "filters",
    "variableType": "java.util.List<Filter>",
    "documentation": "<p>One or more filters.</p>
    <ul>
        <li> <p> <code>prefix-list-id</code>: The ID of a prefix list.</p> </li>
        <li> <p> <code>prefix-list-name</code>: The name of a prefix list.</p> </li>
    </ul>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>
    <p>@param filters One or more filters.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variableSetterType": "java.util.Collection<Filter>",

"xmlNameSpaceUri": null,

"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>
<p>@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"enumType": null,
"fluentSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>
<p>@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"fluentSetterMethodName": "withMaxResults",

"getterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>
<p>@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>*/",

"getterMethodName": "getMaxResults",

"getterModel": {
    "returnType": "Integer",
    "documentation": null
},

"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statuscode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**\<p>The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.\</p>\<p>Constraint: If the value
specified is greater than 1000, we return only 1000 items.\</p>\n@param maxResults The maximum number of
items to return for this request. The request returns a token that you can specify in a subsequent call to get the next
set of results.\</p>\<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The maximum number of items to return for this request. The request
returns a token that you can specify in a subsequent call to get the next set of results.\</p>\<p>Constraint: If the value
specified is greater than 1000, we return only 1000 items.\</p>\n@param maxResults The maximum number of
items to return for this request. The request returns a token that you can specify in a subsequent call to get the
next set of results.\</p>\<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.\</p>\<p>Constraint: If the value
specified is greater than 1000, we return only 1000 items.\</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)&lt;/p&gt;\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/&lt;*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)\n@return The token for the next set of items to return. (You received this token from a prior call.)*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/&lt;*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : ""
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<ul>
<li>
<p>
One or more filters.
</p>
</li>
</ul>\n@param filters One or more filters.</ul>
<p>
One or more filters.
</p>
</li>
<li>
<p>
The ID of a prefix list.
</p>
</li>
<li>
<p>
The name of a prefix list.
</p>
</li>

setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "variableSetterType" : "com.amazonaws.internal.SdkInternalList<Filter>"}
"documentation" : "", "simpleType" : "List<Filter>", "variableSetterType" : "java.util.Collection<Filter>"
}, "simple" : false, "varargSetterDocumentation" : "/*\#<p>One or more filters.</p> <ul> <li> <p> <code>prefix-list-id</code>: The ID of a prefix list.</p> </li> <li> <p> <code>prefix-list-name</code>: The name of a prefix list.</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
@param filters One or more filters.

<p>/*\n@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>prefix-list-id</code>: The ID of a prefix list.</p> </li> <li> <p> <code>prefix-list-name</code>: The name of a prefix list.</p> </li> </ul>

"xmlNameSpaceUri" : null }, "MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/*\n@returns A reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**
 * The maximum number of items to return for this request. The request returns
 a token that you can specify in a subsequent call to get the next set of results.
 */
\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
\n@Constraint: If the value specified is greater than 1000, we return only 1000 items.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The maximum number of items to return for this request. The request returns
 a token that you can specify in a subsequent call to get the next set of results.
 */
\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
\n@Constraint: If the value specified is greater than 1000, we return only 1000 items.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
\n@Constraint: If the value specified is greater than 1000, we return only 1000 items.
\n@return Returns a reference to this object so that method calls can be chained together.
*/"}
greater than 1000, we return only 1000 items.

"simpleType" : "Integer",
"variableSetterType" : "Integer"
}
"xmlnsSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
"enumType" : null,
"fluentSetterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)

@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)

@returns The token for the next set of items to return. (You received this token from a prior call.)*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshalLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)

@returns The token for the next set of items to return. (You received this token from a prior call.)*/
"variables" : {
"Id" : {
"c2jName" : "Id",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The unique ID of the VOS asset.

You can use this field to filter against.

This field is required.

Supported filter operators are: eq, ne, in, lte, gte,slt, lte, gte, slt,"
prior call.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@returns The token for the next set of items to return. (You received this token from a prior call.)\n@returns The token for the next set of items to return. (You received this token from a prior call.)\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrefixListIds" : {
"c2jName" : "PrefixListIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more prefix list IDs.</p>
@param prefixListIds One or more prefix list IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrefixListIds",
"getterDocumentation" : "/**\n@returns One or more prefix list IDs.
@returns One or more prefix list IDs.\n@returns One or more prefix list IDs.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getPrefixListIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrefixListId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PrefixListId",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member"
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/**<p>One or more prefix list IDs.</p>
@param prefixListIds One or more prefix list IDs.</p>\n@param prefixListIds One or more prefix list IDs.*/",
"setterMethodName" : "setPrefixListIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "prefixListIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"varargSetterDocumentation" : "\/*\*<p>One or more prefix list IDs.<p/><\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setPrefixListIds(java.util.Collection)] or [@link #withPrefixListIds(java.util.Collection)] if you want to override the existing values.<p>/\n@param prefixListIds One or more prefix list IDs.<p/>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "prefixListIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more prefix list IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribePrefixListsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribePrefixListsRequest",
"variableName" : "describePrefixListsRequest",
"variableType" : "DescribePrefixListsRequest",
"documentation" : null,
"simpleType" : "DescribePrefixListsRequest",
"variableSetterType" : "DescribePrefixListsRequest"
},
"wrapper" : false
},
"DescribePrefixListsResult" : {
"c2jName" : "DescribePrefixListsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribePrefixLists.</p>"",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "PrefixLists",
  "c2jShape": "PrefixListSet",
  "deprecated": false,
  "documentation": "&lt;p&gt;All available prefix lists.&lt;/p&gt;",
  "enumType": null,
  "fluentSetterDocumentation": "/**&lt;p&gt;All available prefix lists.&lt;/p&gt;&lt;\n@param prefixLists All available prefix lists.&lt;\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "fluentSetterMethodName": "withPrefixLists",
  "getterDocumentation": "/**&lt;p&gt;All available prefix lists.&lt;/p&gt;&lt;\n@return All available prefix lists.*\n",
  "getterMethodName": "getPrefixLists",
  "getterModel": {
    "returnType": "java.util.List<PrefixList>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PrefixListSet",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "prefixListSet",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "PrefixList",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
      "fluentSetterMethodName": "withMember",
      "getterDocumentation": "/**\n@return *
",
      "getterMethodName": "getMember",
      "getterModel": {
        "returnType": "java.util.List<PrefixList>",
        "documentation": null
      }
    }
  }
}
"getterModel" : {
  "returnType" : "PrefixList",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PrefixList",
  "variableName" : "member",
  "variableType" : "PrefixList",
  "documentation" : "",
  "simpleType" : "PrefixList",
  "variableSetterType" : "PrefixList"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PrefixList",
  "variableName" : "member",
  "variableType" : "PrefixList",
  "documentation" : "",
  "simpleType" : "PrefixList",
  "variableSetterType" : "PrefixList"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "PrefixList",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrefixList",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrefixList>",
"templateType" : "java.util.List<PrefixList>
}

"map" : false,
"mapModel" : null,
"name" : "PrefixLists",
"setterDocumentation" : "/**<p>All available prefix lists.</p>
@param prefixLists All available prefix lists.*/",
"setterMethodName" : "setPrefixLists",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrefixList>",
"variableName" : "prefixLists",
"variableType" : "java.util.List<PrefixList>",
"documentation" : "",
"simpleType" : "List<PrefixList>",
"variableSetterType" : "java.util.Collection<PrefixList>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>All available prefix lists.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPrefixLists(java.util.Collection)} or {@link #withPrefixLists(java.util.Collection)} if you want to override the existing values.</p>
@param prefixLists All available prefix lists.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrefixList>",
"variableName" : "prefixLists",
"variableType" : "java.util.List<PrefixList>",
"documentation" : "<p>All available prefix lists.</p>
"simpleType" : "List<PrefixList>",
"variableSetterType" : "java.util.Collection<PrefixList>
"},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no
additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together. */
    
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "nextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together. */
    
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together. */
    
    "varargSetterMethodName" : "withNextToken",
    "getterDocumentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. */
    
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "nextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together. */
    
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together. */
    
    "varargSetterMethodName" : "withNextToken"}
set of items. If there are no additional items to return, the string is empty.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty."
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "NextToken" : {
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty."
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "nextToken",
        "uri" : false
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>*/
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>*/
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrefixLists" : {
  "c2jName" : "PrefixLists",
  "c2jShape" : "PrefixListSet",
  "deprecated" : false,
  "documentation" : "<p>All available prefix lists.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>All available prefix lists.</p>
@param prefixLists All available prefix lists.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrefixLists",
  "getterDocumentation" : "/**<p>All available prefix lists.</p>*/
@return All available prefix lists.*/",
  "getterMethodName" : "getPrefixLists",
  "getterModel" : {
    "returnType" : "java.util.List<PrefixList>",
    "variable" : {
      "variableDeclarationType" : "List",
      "variableName" : "prefixListSet",
      "variableType" : "List",
      "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
      "simpleType" : "List",
      "variableSetterType" : "List"
    }
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>All available prefix lists.</p>
@param prefixLists All available prefix lists.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "varargSetterMethodName" : "withPrefixLists"
}
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "PrefixList",
"variableName": "member",
"variableType": "PrefixList",
"documentation": "",
"simpleType": "PrefixList",
"variableSetterType": "PrefixList"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "PrefixList",
"variableName": "member",
"variableType": "PrefixList",
"documentation": "",
"simpleType": "PrefixList",
"variableSetterType": "PrefixList"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "PrefixList",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "PrefixList",
"templateImplType": "com.amazonaws.internal.SdkInternalList<PrefixList>",
"templateType": "java.util.List<PrefixList>"
],
"map": false,
"mapModel": null,
"name": "PrefixLists"
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeRegions.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeRegions",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{"c2jName" : "RegionNames",
"c2jShape" : "RegionNameStringList",
"deprecated" : false,
"documentation" : "<p>The names of one or more regions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The names of one or more regions.</p>
@param regionNames The names of one or more regions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRegionNames",
"getterDocumentation" : "/**<p>The names of one or more regions.</p>
@return The names of one or more regions.*/",
"getterMethodName" : "getRegionNames",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RegionName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RegionName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@public member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RegionName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RegionName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@public member \n@return */",
  "setterMethodName" : "setMember"}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "RegionName",
"memberType" : "String",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "RegionNames",
"setterDocumentation" : "/**\n<p>The names of one or more regions.</p>
@param regionNames The names of one or more regions.
*/",
"setterMethodName" : "setRegionNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "regionNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The names of one or more regions.</p>
This method appends the values to the existing list (if any). Use {@link #setRegionNames(java.util.Collection)} or
{@link #withRegionNames(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls
can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "regionNames",
"variableType" : "java.util.List<String>",
"documentation" : "The names of one or more regions.",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li>
</ul>

/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li>
</ul>

### fluentSetterDocumentation
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li>
</ul>

### getterDocumentation
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li>
</ul>"
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that 
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryStrings" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>",
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> 
<li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> 
<li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> 
</ul>\n@param filters One or more filters.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>"}
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>",
"return" : Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>"
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter"
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",

"map": false,
"mapModel": null,
"name": "Filters",

"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>\n@param filters One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> */",

"setterMethodName": "setFilters",

"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName": "filters",
    "variableType": "java.util.List<Filter>",
    "documentation": "",
    "simpleType": "List<Filter>",
    "variableSetterType": "java.util.Collection<Filter>",

"simple": false,

"varargSetterDocumentation": "/*<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [link setFilters(java.util.Collection)] or [link #withFilters(java.util.Collection)] if you want to override the existing values.</p>\n@param filters One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName": "filters",
    "variableType": "java.util.List<Filter>",
    "documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>",
    "simpleType": "List<Filter>",
    "variableSetterType": "java.util.Collection<Filter>",

"xmlNameSpaceUri": null
},

"RegionNames": {
    "c2jName": "RegionNames",
    "c2jShape": "RegionNameStringList",
    "deprecated": false,
    "documentation": "<p>The names of one or more regions.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@\n<p>The names of one or more regions.</p>
@param regionNames The names of one or more regions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRegionNames",
"getterDocumentation" : "/**\n@\n<p>The names of one or more regions.</p>
@return The names of one or more regions.*/",
"getterMethodName" : "getRegionNames",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallingLocationName" : "RegionName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallingLocationName" : "RegionName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
    


"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RegionName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "RegionName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "RegionName",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "RegionNames",
"setterDocumentation" : "/**
\p The names of one or more regions.
\@param regionNames The names of one or more regions.*/",
"setterMethodName" : "setRegionNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "regionNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
\p The names of one or more regions.
\b NOTE: \b This method appends the values to the existing list (if any). Use {@link #setRegionNames(java.util.Collection)} or {@link #withRegionNames(java.util.Collection)} if you want to override the existing values.
\@param regionNames The names of one or more regions.
\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "regionNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "The names of one or more regions.\</p\><b\> NOTE: \b This method appends the values to the existing list (if any). Use {@link #setRegionNames(java.util.Collection)} or {@link #withRegionNames(java.util.Collection)} if you want to override the existing values.
\@param regionNames The names of one or more regions.
\@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "DescribeRegionsRequest",
    "variableName" : "describeRegionsRequest",
    "required" : null,
    "shapeName" : "DescribeRegionsRequest",
    "unmarshaller" : null,
    "variable" : {
      "variableDeclarationType" : "DescribeRegionsRequest",
      "variableName" : "describeRegionsRequest",
      "variableType" : "DescribeRegionsRequest",
      "documentation" : "null,"}
"simpleType" : "DescribeRegionsRequest",
"variableSetterType" : "DescribeRegionsRequest"
},
"wrapper" : false
},
"DescribeRegionsResult" : {
"c2jName" : "DescribeRegionsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeRegions.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Regions",
"c2jShape" : "RegionList",
"deprecated" : false,
"documentation" : "<p>Information about one or more regions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more regions.</p>
@param regions
Information about one or more regions.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withRegions",
"getterDocumentation" : "/**<p>Information about one or more regions.</p>
@return Information about one or more regions.
*/",
"getterMethodName" : "getRegions",
"getterModel" : {
"returnType" : "java.util.List<Region>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RegionInfo",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "regionInfo",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Region",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Region",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */"}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Region",
  "variableName" : "member",
  "variableType" : "Region",
  "documentation" : "",
  "simpleType" : "Region",
  "variableSetterType" : "Region"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Region",
  "variableName" : "member",
  "variableType" : "Region",
  "documentation" : "",
  "simpleType" : "Region",
  "variableSetterType" : "Region"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Region",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Region",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Region>",
"templateType" : "java.util.List<Region>"
},
"map" : false,
"mapModel" : null,
"name" : "Regions",
"setterDocumentation" : "/**<p>Information about one or more regions.</p>
@param regions Information about one or more regions.</p>*/
@param regions Information about one or more regions.*/",
"setterMethodName" : "setRegions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Region>",
  "variableName" : "regions",
  "variableType" : "java.util.List<Region>",
  "documentation" : "",
  "simpleType" : "List<Region>",
  "variableSetterType" : "java.util.Collection<Region>"
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Region>",
  "variableName" : "regions",
  "variableType" : "java.util.List<Region>",
  "documentation" : "Information about one or more regions.",
  "simpleType" : "List<Region>",
  "variableSetterType" : "java.util.Collection<Region>",
}
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "Regions" : {
    "c2jName" : "Regions",
    "c2jShape" : "RegionList",
    "deprecated" : false,
    "documentation" : "Information about one or more regions.",
    "enumType" : null,
    "fluentSetterDocumentation" : "Information about one or more regions.",
    "fluentSetterMethodName" : "withRegions",
    "getterDocumentation" : "Information about one or more regions.",
    "getterMethodName" : "getRegions",
    "getterModel" : {
      "returnType" : "java.util.List<Region>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "RegionInfo",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "regionInfo",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Region",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Region",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "Region",
      "variableName": "member",
      "variableType": "Region"}
"documentation": "",
"simpleType": "Region",
"variableSetterType": "Region"
],
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {

"variableDeclarationType": "Region",
"variableName": "member",
"variableType": "Region",
"documentation": "",
"simpleType": "Region",
"variableSetterType": "Region"
].
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "Region",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Region",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Region>",
"templateType": "java.util.List<Region>"]
].
"map": false,
"mapModel": null,
"name": "Regions",
"setterDocumentation": "/**\n@param regions Information about one or more regions. Information about one or more regions.*/",
"setterMethodName": "setRegions",
"setterModel": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Region>",
"variableName": "regions",
"variableType": "java.util.List<Region>",
"documentation": "",
"simpleType": "List<Region>",
"variableSetterType": "java.util.Collection<Region>"
].
"simple": false,
"varargSetterDocumentation": "/**\n@param regions Information about one or more regions. Information about one or more regions.*/

This method appends the values to the existing list (if any). Use {@link #setRegions(java.util.Collection)} or {@link #withRegions(java.util.Collection)} if you want to override the existing values.\n
@link
@returns Returns a reference to this object so that method calls can be
chained together.*",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Region>",
        "variableName" : "regions",
        "variableType" : "java.util.List<Region>",
        "documentation" : "<p>Information about one or more regions.</p>",
        "simpleType" : "List<Region>",
        "variableSetterType" : "java.util.Collection<Region>"
    },
    "xmlNameSpaceUri" : null
}]
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeRegionsResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeRegionsResult",
    "variableName" : "describeRegionsResult",
    "variableType" : "DescribeRegionsResult",
    "documentation" : null,
    "simpleType" : "DescribeRegionsResult",
    "variableSetterType" : "DescribeRegionsResult"
},
"wrapper" : false
],
"DescribeReservedInstancesListingsRequest" : {
    "c2jName" : "DescribeReservedInstancesListingsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeReservedInstancesListings.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeReservedInstancesListings",
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "ReservedInstancesId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>One or more Reserved Instance IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p>
@param reservedInstancesId
One or more Reserved Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p>
@return One or more Reserved Instance IDs.
"getterMethodName" : "getReservedInstancesId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p>
@param reservedInstancesId
One or more Reserved Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
}
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p>
@param reservedInstancesId
One or more Reserved Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "<p>One or more Reserved Instance IDs.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],

"c2jName" : "ReservedInstancesListingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>One or more Reserved Instance listing IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId
One or more Reserved Instance listing IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesListingId",
"getterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@return One or more Reserved Instance listing IDs.*/",
"getterMethodName" : "getReservedInstancesListingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesListingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesListingId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.*/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "<p>One or more Reserved Instance listing IDs.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/** One or more filters. */

"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "null",
"additionalUnmarshallingPath" : "null",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "null",
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : "null",
"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "null",
"additionalUnmarshallingPath" : "null",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "null",
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : "null",
"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "null",
"additionalUnmarshallingPath" : "null",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "null",
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
}

Open Source Used in 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 5258

Usage: 
```java
Top-level Domain
```

Explain:
```java
Top-level Domain
// tag: used-in
// tag: assets
// tag: vosp
// tag: ccbu
// tag: projects
// tag: centos
```
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : ""
"simpleType": "Filter",
"variableSetterType": "Filter"
],
"xmlNameSpaceUri": null
],
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>\n@param filters One or more filters.</p> <ul> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances.</p> </li> <li>

```
@return Returns a reference to this object so that method calls can be chained together.

```
"getterMethodName" : "getFilters",
"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Filter",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
"setterDocumentation": "/** One or more filters. */
@param filters One or more filters.
@link #@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setFilters",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"},
"varargSetterDocumentation": "/** One or more filters. */
@param filters One or more filters.
@link #@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.
*/"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p>
@param
reservedInstancesId One or more Reserved Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "<p>One or more Reserved Instance IDs.</p>
,"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesListingId" : {
"c2jName" : "ReservedInstancesListingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>One or more Reserved Instance listing IDs.</p>
,"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param
reservedInstancesListingId One or more Reserved Instance listing IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesListingId",
"getterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@return One or more Reserved Instance listing IDs.*/",
"getMethodName" : "getReservedInstancesListingId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesListingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesListingId",
"name" : "ReservedInstancesListingId"}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.*/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "<p>One or more Reserved Instance listing IDs.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesListingsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesListingsRequest",
  "variableName" : "describeReservedInstancesListingsRequest",
  "variableType" : "DescribeReservedInstancesListingsRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesListingsRequest",
  "variableSetterType" : "DescribeReservedInstancesListingsRequest"
},
"wrapper" : false
"DescribeReservedInstancesListingsResult" : {
  "c2jName" : "DescribeReservedInstancesListingsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeReservedInstancesListings.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "ReservedInstancesListings",
      "c2jShape" : "ReservedInstancesListingList",
      "deprecated" : false,
      "documentation" : "<p>Information about the Reserved Instance listing.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the Reserved Instance listing.</p>
@param
reservedInstancesListings Information about the Reserved Instance listing.
@return Returns a reference to this
object so that method calls can be chained together.*\*/",
      "fluentSetterMethodName" : "withReservedInstancesListings",
      "getterDocumentation" : "/**<p>Information about the Reserved Instance listing.</p>
@return Information
about the Reserved Instance listing.*\*/",
      "getterMethodName" : "getReservedInstancesListings",
      "getterModel" : {
        "returnType" : "java.util.List<ReservedInstancesListing>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ReservedInstancesListingsSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "reservedInstancesListingsSet",
        "wrapperName" : null
      }
    }
  ]
}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "ReservedInstancesListing",
  "deprecated" : false,
  "documentation" : 
  "/**
   * Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : 
  "/**
   * @return *
   */",
  "getterMethodName" : "getMember",
  "getterModel" : {
   "returnType" : "ReservedInstancesListing",
   "documentation" : null
  }
 },
 "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : 
  "/**
   * @param member *
   */",
  "setterMethodName" : "setMember",
  "setterModel" : {
   "variableDeclarationType" : "ReservedInstancesListing",
   "variableName" : "member",
  },
"variableType": "ReservedInstancesListing",
"documentation": "",
"complexType": "ReservedInstancesListing",
"variableSetterType": "ReservedInstancesListing"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ReservedInstancesListing",
"variableName": "member",
"variableType": "ReservedInstancesListing",
"documentation": "",
"complexType": "ReservedInstancesListing",
"variableSetterType": "ReservedInstancesListing"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstancesListing",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"complexType": "ReservedInstancesListing",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType": "java.util.List<ReservedInstancesListing>"
},
"map": false,
"mapModel": null,
"name": "ReservedInstancesListings",
"setterDocumentation": "/**\n<p>Information about the Reserved Instance listing.</p>
@param reservedInstancesListings Information about the Reserved Instance listing.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setReservedInstancesListings",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"variableName": "reservedInstancesListings",
"variableType": "java.util.List<ReservedInstancesListing>",
"documentation": "",
"complexType": "List<ReservedInstancesListing>",
"variableSetterType": "java.util.Collection<ReservedInstancesListing>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>Information about the Reserved Instance listing.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/"}
#withReservedInstancesListings(java.util.Collection) if you want to override the existing values.<p>

@return Returns a reference to this object so that method calls can be chained together.*"",

    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
      "variableName" : "reservedInstancesListings",
      "variableType" : "java.util.List<ReservedInstancesListing>",
      "documentation" : "<p>Information about the Reserved Instance listing.</p>",
      "simpleType" : "List<ReservedInstancesListing>",
      "variableSetterType" : "java.util.Collection<ReservedInstancesListing>",
    },
    "xmlnsNameSpaceUri" : null
  },
  "membersAsMap" : {
    "ReservedInstancesListings" : {
      "c2jName" : "ReservedInstancesListings",
      "c2jShape" : "ReservedInstancesListingList",
      "deprecated" : false,
      "documentation" : "<p>Information about the Reserved Instance listing.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n      * Information about the Reserved Instance listing.\n      *\n      *\n      *\n      *\n      * @param reservedInstancesListings Information about the Reserved Instance listing.\n      *\n      * @return Returns a reference to this object so that method calls can be chained together.\n      */",
      "fluentSetterMethodName" : "withReservedInstancesListings",
      "getterDocumentation" : "/**\n      * Information about the Reserved Instance listing.\n      *\n      *\n      *\n      *\n      * @return Information about the Reserved Instance listing.\n      */",
      "getterMethodName" : "getReservedInstancesListings",
      "getterModel" : {
        "returnType" : "java.util.List<ReservedInstancesListing>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ReservedInstancesListingsSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "reservedInstancesListingsSet",
        "uri" : false
      },
      "idempotencyToken" : false,
      "list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesListing",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
         * @param member
         * @return Returns a reference to this object so that
         * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
         * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstancesListing",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
         * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "ReservedInstancesListing",
      "variableName" : "member",
      "variableType" : "ReservedInstancesListing",
      "documentation" : "",
      "simpleType" : "ReservedInstancesListing",
      "variableSetterType" : "ReservedInstancesListing"
    }
  }
}
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/**\n<p>Information about the Reserved Instance listing.</p>
@param reservedInstancesListings Information about the Reserved Instance listing.
 returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesListing>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the Reserved Instance listing.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesListings(java.util.Collection)} or {@link #withReservedInstancesListings(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {


"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"variableName" : "reservedInstancesListings",
"variableType" : "java.util.List<ReservedInstancesListing>",
"documentation" : "<p>Information about the Reserved Instance listing.</p>",
"simpleType" : "List<ReservedInstancesListing>",
"variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesListingsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesListingsResult",
  "variableName" : "describeReservedInstancesListingsResult",
  "variableType" : "DescribeReservedInstancesListingsResult",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesListingsResult",
  "variableSetterType" : "DescribeReservedInstancesListingsResult"
},
"wrapper" : false
},
"DescribeReservedInstancesModificationsRequest" : {
  "c2jName" : "DescribeReservedInstancesModificationsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeReservedInstancesModifications.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeReservedInstancesModifications",
    "locationName" : null,
    "requestUri" : "/"
{"target":null,"verb":"POST","xmlnsSpaceUri":null}
"members": []
"c2jName": "ReservedInstancesModificationIds",
"c2jShape": "ReservedInstancesModificationIdStringList",
"deprecated": false,
"documentation": "<p>IDs for the submitted modification request.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>IDs for the submitted modification request.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReservedInstancesModificationIds",
"getterDocumentation": "/**<p>IDs for the submitted modification request.</p>
@return IDs for the submitted modification request.*/",
"getterMethodName": "getReservedInstancesModificationIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesModificationId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservedInstancesModificationId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",}
method calls can be chained together.*/
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesModificationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstancesModificationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n   * @param member \n   * @return Returns a reference to this object so that
   * method calls can be chained together.*/
   */",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
],
"xmlNameSpaceUri" : null
],
"memberLocationName" : "ReservedInstancesModificationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationIds",
"setterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.*/",
"setterMethodName" : "setReservedInstancesModificationIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesModificationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesModificationIds(java.util.Collection)} or {@link #withReservedInstancesModificationIds(java.util.Collection)} if you want to override the existing values.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesModificationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>IDs for the submitted modification request.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
],
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@return The token to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation":"/**\n* The token to retrieve the next page of results.\n*\n* @param nextToken The token to retrieve the next page of results.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/","variable":{
  "variableDeclarationType":"String",
  "variableName":"nextToken",
  "variableType":"String",
  "documentation":"The token to retrieve the next page of results.\n  
  simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri":null},

c2jName":"Filters",
c2jShape":"FilterList",
deprecated":false,
documentation":"One or more filters.<ul><li><p><code>client-token</code> - The idempotency token for the modification request.</p></li><li><p><code>create-date</code> - The time when the modification request was created.</p></li><li><p><code>effective-date</code> - The time when the modification becomes effective.</p></li><li><p><code>reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p></li><li><p><code>target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p></li><li><p><code>target-configuration.instance-count</code> - The number of new Reserved Instances.</p></li><li><p><code>target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p></li><li><p><code>target-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>).</p></li><li><p><code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p></li><li><p><code>reserved-instances-modification-id</code> - The ID of the modification request.</p></li><li><p><code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p></li><li><p><code>status-message</code> - The reason for the status.</p></li><li><p><code>update-date</code> - The time when the modification request was last updated.</p></li>
}
enumType":null,
"fluentSetterDocumentation":"/**\n* One or more filters.<ul><li><p><code>client-token</code> - The idempotency token for the modification request.</p></li><li><p><code>create-date</code> - The time when the modification request was created.</p></li><li><p><code>effective-date</code> - The time when the modification becomes effective.</p></li><li><p><code>reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p></li><li><p><code>target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p></li><li><p><code>target-configuration.instance-count</code> - The number of new Reserved Instances.</p></li><li><p><code>target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p></li><li><p><code>target-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>).</p></li><li><p><code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p></li><li><p><code>reserved-instances-modification-id</code> - The ID of the modification request.</p></li><li><p><code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p></li><li><p><code>status-message</code> - The reason for the status.</p></li><li><p><code>update-date</code> - The time when the modification request was last updated.</p></li>
"}}
Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>),</p> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> <li> <p> <code>reserved-instances-modification-id</code> - The ID of the modification request.</p> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p>*/

"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallingLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallingLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallingLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallingLocationName" : "Filter",
      "uri" : false
    }
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",

"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> </li> <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> </ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> </li> <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> </ul>
/** The idempotency token for the modification request.</p> 
@code client-token @endcode 
- The time when the modification request was created.</p> 
@code create-date @endcode 
- The time when the modification becomes effective.</p> 
@code modification-result.reserved-instances-id @endcode 
- The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> 
@code modification-result.target-configuration.availability-zone @endcode 
- The Availability Zone for the new Reserved Instances.</p> 
@code modification-result.target-configuration.instance-count @endcode 
- The number of new Reserved Instances.</p> 
@code modification-result.target-configuration.instance-type @endcode 
- The instance type of the new Reserved Instances.</p> 
@code modification-result.target-configuration.platform @endcode 
- The network platform of the new Reserved Instances.</p> 
@code status @endcode 
- The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> 
@code status-message @endcode 
- The reason for the status.</p> 
@code update-date @endcode 
- The time when the modification request was last updated.</p>

setterMethodName" : "setFilters",

"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : ""}
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
}.
"simple" : false,
"varargSetterDocumentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>modification-result.reserved-instances-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.status</code> - The status of the Reserved Instances modification request.</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values.\n@example

```
@Param filters One or more filters.
<ul>
<li> <p> <code>client-token</code> - The idempotency token for the modification request.</p>
</li>
<li> <p> <code>create-date</code> - The time when the modification request was created.</p>
</li>
<li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p>
</li>
<li> <p> <code>modification-result.reserved-instances-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p>
</li>
<li> <p> <code>modification-result.status</code> - The status of the Reserved Instances modification request.</p>
</li>
<li> <p> <code>status-message</code> - The reason for the status.</p>
</li>
<li> <p> <code>update-date</code> - The time when the modification request was last updated.</p>
</li>
```
\n\n
@returns Returns a reference to this object so that method calls can be chained together.*"

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "One or more filters."}.
Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>. The Availability Zone for the new Reserved Instances. <code>effective-date</code>. The time when the modification becomes effective. <code>modification-result.reserved-instances-id</code>. The ID for the Reserved Instances modified. <code>modification-result.target-configuration.instance-count</code>. The number of new Reserved Instances. <code>modification-result.target-configuration.instance-type</code>. The instance type of the new Reserved Instances. <code>status</code>. The status of the Reserved Instances modification request ( <code>processing</code> | <code>failed</code> ). <code>status-message</code>. The reason for the status. <code>update-date</code>. The time when the modification request was last updated. <code>reserved-instances-modification-id</code>. The ID of the modification request. <code>client-token</code>. The idempotency token for the modification request. <code>create-date</code>. The time when the modification request was created. <code>effective-date</code>. The time when the modification becomes effective. <code>modification-result.reserved-instances-id</code>. The ID for the Reserved Instances modified. <code>reserved-instances-modification-id</code>. The ID of the modification request. <code>client-token</code>. The idempotency token for the modification request. <code>create-date</code>. The time when the modification request was created. <code>effective-date</code>. The time when the modification becomes effective. <code>modification-result.reserved-instances-id</code>. The ID for the Reserved Instances modified. <code>reserved-instances-modification-id</code>. The ID of the modification request. <code>status</code>. The status of the Reserved Instances modification request ( <code>processing</code> | <code>failed</code> ). <code>status-message</code>. The reason for the status. <code>update-date</code>. The time when the modification request was last updated.

The number of new Reserved Instances.

- The instance type of the new Reserved Instances.
- The network platform of the new Reserved Instances.
- The ID of the Reserved Instances modified.
- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
- The ID of the Reserved Instances modified.
- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
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- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
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- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
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- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
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- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
- The ID of the Reserved Instances modified.
- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
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- The network platform of the new Reserved Instances.
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- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
- The ID of the Reserved Instances modified.
- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
- The ID of the Reserved Instances modified.
- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
- The number of new Reserved Instances.
- The network platform of the new Reserved Instances.
- The ID of the Reserved Instances modified.
- The ID of the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- The Availability Zone for the new Reserved Instances.
<code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.

<code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.

<code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.

<code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.

<code>reserved-instances-id</code> - The ID of the Reserved Instances modified.

<code>reserved-instances-modification-id</code> - The ID of the modification request.

<code>status</code> - The status of the Reserved Instances modification request (processing | fulfilled | failed).

<code>status-message</code> - The reason for the status.

<code>update-date</code> - The time when the modification request was last updated.

getterMethodName" : "getFilters",
getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null },
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false },
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
*/
", 
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
*/", 

"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
<p>**setterMethodName**: "setFilters",

**setterModel**: {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},

"simple": false,

"varargSetterDocumentation": "/**<p>One or more filters.</p> <ul>
  <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li>
  <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li>
  <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li>
  <li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> </li>
  <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result-target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result-target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
  <li> <p> <code>margin-result.status</code> - The status of the Reserved Instances modification request.</p> </li>
  <li> <p> <code>margin-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
  <li> <p> <code>margin-result.status</code> - The status of the Reserved Instances modification request.</p> </li>
  <li> <p> <code>margin-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
  <li> <p> <code>margin-result.status</code> - The status of the Reserved Instances modification request.</p> </li>
  <li> <p> <code>margin-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
  <li> <p> <code>margin-result.status</code> - The status of the Reserved Instances modification request.</p> </li>
  <li> <p> <code>margin-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
  <li> <p> <code>margin-result.status</code> - The status of the Reserved Instances modification request.</p> </li>
  <li> <p> <code>margin-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
  <li> <p> <code>margin-result.status</code> - The status of the Reserved Instances modification request.</p> </li>
  <li> <p> <code>margin-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.target-configuration.platform</code> - The network platform of the new Reserved Instances.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
  <li> <p> <code>margin-result.reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
  <li> <p> <code>margin-result.status</code> - The status of the Reserved Instances modification request.
</p></li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
public MarginResult withFilters(java.util.Collection<Filter> filters)
```
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
documentation" : "<p>One or more filters.</p> <ul>
<li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li>
<li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li>
<li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li>
<li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> </li>
<li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li>
<li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li>
<li> <p> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li>
<li> <p> <code>reserved-instances-modification-id</code> - The ID of the modification request.</p> </li>
<li> <p> <code>status</code> - The status of the Reserved Instances modification request.</p> </li>
<li> <p> <code>status-message</code> - The reason for the status.</p> </li>
<li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li>
</ul>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
xmlnsNamespaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
documentation" : "<p>The token to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>*/\n@param nextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>*/\n@return The token to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"documentation" : null
},
http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/*\n<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>The token to retrieve the next page of results.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesModificationIds" : {
  "c2jName" : "ReservedInstancesModificationIds",
  "c2jShape" : "ReservedInstancesModificationIdStringList",
  "deprecated" : false,
  "documentation" : "<p>IDs for the submitted modification request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n<p>IDs for the submitted modification request.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.
@return Returns a reference to this object..."
object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withReservedInstancesModificationIds",
"getterDocumentation" : "/**<p>IDs for the submitted modification request.\n\n@return IDs for the submitted modification request.*/",
"getterMethodName" : "getReservedInstancesModificationIds",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesModificationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstancesModificationId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesModificationId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservedInstancesModificationId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "ReservedInstancesModificationId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationIds",
"setterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.*/",
"setterMethodName" : "setReservedInstancesModificationIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesModificationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}

"simple" : false,
"varargSetterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
<p><b>NOTE:</b>This method appends the values to the existing list (if any). Use {@link #setReservedInstancesModificationIds(java.util.Collection)} or {@link #withReservedInstancesModificationIds(java.util.Collection)} if you want to override the existing values.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesModificationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>IDs for the submitted modification request.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}

"xmlNameSpaceUri" : null
]}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesModificationsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesModificationsRequest",
  "variableName" : "describeReservedInstancesModificationsRequest",
  "variableType" : "DescribeReservedInstancesModificationsRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesModificationsRequest",
  "variableSetterType" : "DescribeReservedInstancesModificationsRequest"
"DescribeReservedInstancesModificationsResult" : {
    "c2jName" : "DescribeReservedInstancesModificationsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeReservedInstancesModifications.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
        {
            "c2jName" : "ReservedInstancesModifications",
            "c2jShape" : "ReservedInstancesModificationList",
            "deprecated" : false,
            "documentation" : "<p>The Reserved Instance modification information.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The Reserved Instance modification information.</p>
*param
reservedInstancesModifications The Reserved Instance modification information.*
*return Returns a reference to
this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withReservedInstancesModifications",
            "getterDocumentation" : "/**<p>The Reserved Instance modification information.</p>
*return The Reserved Instance modification information.*/
            "getterMethodName" : "getReservedInstancesModifications",
            "getterModel" : {
                "returnType" : "java.util.List<ReservedInstancesModification>",
                "documentation" : null
            }
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "ReservedInstancesModificationsSet",
            "queryString" : false,
"statusCode": false,
"unmarshallLocationName": "reservedInstancesModificationsSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "ReservedInstancesModification",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "ReservedInstancesModification",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {"statusCode": false,
"variableDeclarationType" : "ReservedInstancesModification",
"variableName" : "member",
"variableType" : "ReservedInstancesModification",
"documentation" : "",
"simpleType" : "ReservedInstancesModification",
"variableSetterType" : "ReservedInstancesModification"
},
"simple": false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "ReservedInstancesModification",
"variableName" : "member",
"variableType" : "ReservedInstancesModification",
"documentation" : "",
"simpleType" : "ReservedInstancesModification",
"variableSetterType" : "ReservedInstancesModification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesModification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesModification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
"templateType" : "java.util.List<ReservedInstancesModification>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModifications",
"setterDocumentation" : "/**\n@param reservedInstancesModifications The Reserved Instance modification information.*/",
"setterMethodName" : "setReservedInstancesModifications",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
"variableName" : "reservedInstancesModifications",
"variableType" : "java.util.List<ReservedInstancesModification>",
"documentation" : "",
"simpleType" : "List<ReservedInstancesModification>",
"variableSetterType" : "java.util.Collection<ReservedInstancesModification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param The Reserved Instance modification information.*/"
NOTE: This method appends the values to the existing list (if any). Use \{@link #setReservedInstancesModifications(java.util.Collection)\} or \{@link #withReservedInstancesModifications(java.util.Collection)\} if you want to override the existing values.\n\n@returns a reference to this object so that method calls can be chained together. */

"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
   "variableName" : "reservedInstancesModifications",
   "variableType" : "java.util.List<ReservedInstancesModification>",
   "documentation" : "The Reserved Instance modification information.",
   "simpleType" : "List<ReservedInstancesModification>",
   "variableSetterType" : "java.util.Collection<ReservedInstancesModification>"
},
"xmlnsSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is \langlecode\rangle\langlenull\rangle\langle/\langlecode\rangle when there are no more results to return.\n\n@returns a reference to this object so that method calls can be chained together. */

"fluentSetterDocumentation" : "The token to use to retrieve the next page of results. This value is \langlecode\rangle\langlenull\rangle\langle/\langlecode\rangle when there are no more results to return.\n
@returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token to use to retrieve the next page of results. This value is \langlecode\rangle\langlenull\rangle\langle/\langlecode\rangle when there are no more results to return.\n
@returns a reference to this object so that method calls can be chained together. */

"getterMethodName" : "getNextToken",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "NextToken",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "nextToken",
   "uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>*/
@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>*/
@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "The token to use to retrieve the next page of results. This value is null when there are no more results to return.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}

"membersAsMap": {
  "NextToken": {
    "c2jName": "NextToken",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The token to use to retrieve the next page of results. This value is null when there are no more results to return.",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>*/
@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withNextToken",
    "simpleType": "String",
    "variableSetterType": "String"
  }
}
"getterDocumentation" : "/**\n<p>The token to use to retrieve the next page of results. This value is \n<code>null</code> when there are no more results to return.</p>\n\n@return The token to use to retrieve the next page of results. This value is \n<code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n<p>The token to use to retrieve the next page of results. This value is \n<code>null</code> when there are no more results to return.</p>\n\n@param nextToken The token to use to retrieve the next page of results. This value is \n<code>null</code> when there are no more results to return.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The token to use to retrieve the next page of results. This value is \n<code>null</code> when there are no more results to return.</p>\n\n@param nextToken The token to use to retrieve the next page of results. This value is \n<code>null</code> when there are no more results to return.\n\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"variableName": "nextToken",
"variableType": "String",
"documentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"ReservedInstancesModifications": {
"c2jName": "ReservedInstancesModifications",
"c2jShape": "ReservedInstancesModificationList",
"deprecated": false,
"documentation": "The Reserved Instance modification information.",
"enumType": null,
"fluentSetterDocumentation": "The Reserved Instance modification information.

/**
 * The Reserved Instance modification information.
 */

@returns {ReservedInstancesModification[]} The Reserved Instance modification information.

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesModificationsSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "reservedInstancesModificationsSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member", },
"c2jShape": "ReservedInstancesModification",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "ReservedInstancesModification",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedInstancesModification",
  "variableName": "member",
  "variableType": "ReservedInstancesModification",
  "documentation": "",
  "simpleType": "ReservedInstancesModification",
  "variableSetterType": "ReservedInstancesModification"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType" : "ReservedInstancesModification",
"variableName" : "member",
"variableType" : "ReservedInstancesModification",
"documentation" : "",
"simpleType" : "ReservedInstancesModification",
"variableSetterType" : "ReservedInstancesModification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesModification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesModification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
"templateType" : "java.util.List<ReservedInstancesModification>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModifications",
"setterDocumentation" : "/**\n@param reservedInstancesModifications The Reserved Instance modification information.*/",
"setterMethodName" : "setReservedInstancesModifications",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
"variableName" : "reservedInstancesModifications",
"variableType" : "java.util.List<ReservedInstancesModification>",
"documentation" : "",
"simpleType" : "List<ReservedInstancesModification>",
"variableSetterType" : "java.util.Collection<ReservedInstancesModification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param The Reserved Instance modification information.\n\n**/<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesModifications(java.util.Collection)} or {@link #withReservedInstancesModifications(java.util.Collection)} if you want to override the existing values.</p>\n@param reservedInstancesModifications The Reserved Instance modification information.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
"variableName" : "reservedInstancesModifications",
"variableType" : "java.util.List<ReservedInstancesModification>",
"documentation" : "",
"simpleType" : "<p>The Reserved Instance modification information.</p>",
"simpleType" : "List<ReservedInstancesModification>",
"variableSetterType" : "java.util.Collection<ReservedInstancesModification>"
}
"variableSetterType" : "java.util.Collection<ReservedInstancesModification>",
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesModificationsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesModificationsResult",
  "variableName" : "describeReservedInstancesModificationsResult",
  "variableType" : "DescribeReservedInstancesModificationsResult",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesModificationsResult",
  "variableSetterType" : "DescribeReservedInstancesModificationsResult"
},
"wrapper" : false
},
"DescribeReservedInstancesOfferingsRequest" : {
  "c2jName" : "DescribeReservedInstancesOfferingsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeReservedInstancesOfferings.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeReservedInstancesOfferings",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    
  ]
}
"returnType" : "String",
"documentation" : null
",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : ",",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : ",",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
}
,"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingIds",
"setterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.</p>
@param
reservedInstancesOfferingIds One or more Reserved Instances offering IDs.*"/
,"setterMethodName" : "setReservedInstancesOfferingIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesOfferingIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instances offering
IDs.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setReservedInstancesOfferingIds(java.util.Collection)} or { @link
#withReservedInstancesOfferingIds(java.util.Collection)} if you want to override the existing values.</p>
@param
reservedInstancesOfferingIds One or more Reserved Instances offering IDs.
@return Returns a reference to this
object so that method calls can be chained together.*"/
,"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesOfferingIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more Reserved Instances offering IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type that the reservation will cover (for example,
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type that the reservation will cover (for example,
<code>m1.small</code>). For more information, see
<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param instanceType The instance type that the reservation will cover (for example,
<code>m1.small</code>). For more information, see
<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type that the reservation will cover (for example,
<code>m1.small</code>). For more information, see
<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@return The instance type that the reservation will cover (for example,
<code>m1.small</code>). For more information, see
<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.
@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type that the reservation will cover (for example,
<code>m1.small</code>). For more information, see
<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param instanceType The instance type that the reservation will cover (for example,
<code>m1.small</code>). For more information, see
<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/";
reservation will cover (for example, `<code>m1.small</code>`). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide.</p>

```java
/**
 * The instance type that the reservation will cover (for example, `<code>m1.small</code>`). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide.
 * @param instanceType The instance type that the reservation will cover (for example, `<code>m1.small</code>`). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see InstanceType*/

```
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AvailabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.*\*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.

@see RIProductDescription*/",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.\n@return The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.\n@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : { "returnType" : "String", "documentation" : null },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.\n@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.\n@see RIProductDescription*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC. </p>\n@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC. \n@return Returns a reference to this object so that method calls can be chained together. \n@see RIProductDescription*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> 
<li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li> 
<li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li> 
<li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </p> </li> 
<li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> </li> 
<li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> </li> 
<li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> </li> 
<li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). </p> </li> 
<li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). </p> </li> 
},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p>  
<ul>
  <li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li>
  <li><code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds.</li>
  <li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li>
  <li><code>instance-type</code> - The instance type that is covered by the reservation.</li>
  <li><code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</li>
  <li><code>product-description</code> - The Reserved Instance product description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows (Amazon VPC)</code>)</li>
</ul>
</p>
}<p>

@return Returns a reference to this object so that method calls can be chained together. */

"getterMethodName" : "withFilters",
"documentation" : "/**
One or more filters.  
<ul>
  <li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li>
  <li><code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds.</li>
  <li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li>
  <li><code>instance-type</code> - The instance type that is covered by the reservation.</li>
</ul>

Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p>

@return Returns a reference to this object so that method calls can be chained together. */
Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code>)</p> </li> <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> </li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</p> </li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).</p> </li> </ul> <p> @return One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</p> </li> </ul> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> </li> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code>)</p> </li> <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> </li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</p> </li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).
</p> </li> 
"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"setterMethod Name": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
<p>One or more filters.</p> 
<li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li> 
<li><code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). 
<li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). 
<li><code>instance-type</code> - The instance type that is covered by the reservation. 
<li><code>marketplace</code> - Set to true to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. 
<li><code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. 
"
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Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <p> <li> &lt;i&gt;&lt;p&gt; &lt;code&gt;reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> <li> &lt;i&gt;&lt;p&gt; &lt;code&gt;scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). &lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). &lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> <li> &lt;i&gt;&lt;p&gt; &lt;code&gt;duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). &lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). &lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;instance-type</code> - The instance type that is covered by the reservation.</p> <li> &lt;i&gt;&lt;p&gt; &lt;code&gt;marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> <li> &lt;i&gt;&lt;p&gt; &lt;code&gt;product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>SUSE Linux/UNIX</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>) &lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> <li> &lt;i&gt;&lt;p&gt; &lt;code&gt;scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). &lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). &lt;/p&gt; /li&gt; *

```javascript
setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;Filter&gt;",
  "variableName" : "filters",
  "variableType" : "java.util.List&lt;Filter&gt;",
  "documentation" : "",
  "simpleType" : "List&lt;Filter&gt;",
  "variableSetterType" : "java.util.Collection&lt;Filter&gt;"
},
"simple" : false,
"varargSetterDocumentation" : "One or more filters.&lt;/p&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;availability-zone</code> - The Availability Zone where the Reserved Instance can be used.&lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).&lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).&lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;instance-type</code> - The instance type that is covered by the reservation.&lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.&lt;/p&gt; /li&gt; &lt;i&gt;&lt;p&gt; &lt;code&gt;product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon
VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID. 

- The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). 

- The usage price of the Reserved Instance, per hour (for example, 0.84). 

- The instance type that is covered by the reservation. 

- Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.

- The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID. 

- The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). 

- The usage price of the Reserved Instance, per hour (for example, 0.84). 

- Returns a reference to this object so that method calls can be chained together.""
use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>)

- The Reserved Instances offering ID.
- The scope of the Reserved Instance (Availability Zone or Region).
- The usage price of the Reserved Instance, per hour (for example, 0.84).

```xml
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
},
"xmlNameSpaceUri": null
"
"c2jName": "InstanceTenancy",
"c2jShape": "Tenancy",
"deprecated": false,
"documentation": "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

@see Tenancy*/",
"getterDocumentation": "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

@see Tenancy*/",
"getterMethodName": "getInstanceTenancy",
"getterModel": {
"returnType": "String",
"documentation": null
}
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceTenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of &lt;code&gt;dedicated&lt;/code&gt; is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances). &lt;/p&gt; &lt;p&gt;Default: &lt;code&gt;default&lt;/code&gt; &lt;/p&gt;&lt;code&gt;\n@see Tenancy*\/")",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceTenancy",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**&lt;p&gt;The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of &lt;code&gt;dedicated&lt;/code&gt; is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).&lt;/p&gt; &lt;p&gt;Default: &lt;code&gt;default&lt;/code&gt; &lt;/p&gt;&lt;code&gt;\n@see Tenancy*\/")",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceTenancy",
    "variableType" : "String",
    "documentation" : "&lt;p&gt;The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of &lt;code&gt;dedicated&lt;/code&gt; is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).&lt;/p&gt; &lt;p&gt;Default: &lt;code&gt;default&lt;/code&gt; &lt;/p&gt;&lt;/code&gt;\n@see Tenancy*\/")",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null

"c2jName" : "OfferingType",
"c2jShape" : "OfferingTypeValues",
"deprecated" : false,
"documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type."
"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

\n@see OfferingTypeValues*/",
"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

\n@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type."
"setterMethodName" : "setOfferingType",
"setterModel" : {
"returnType" : "String",
"documentation" : null
},
"type" : "OfferingTypeValues",
"typeModel" : {
"returnType" : "String",
"documentation" : null
}
type. <p>@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@see OfferingTypeValues*/",
   "setterMethodName" : "setOfferingType",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "offeringType",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
   "simple" : true,
   "varargSetterDocumentation" : "/*\p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@see OfferingTypeValues*/",
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "offeringType",
      "variableType" : "String",
      "documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
   "xmlnsNameSpaceUri" : null
  },
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to retrieve the next page of results.\n@see OfferingTypeValues*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token to retrieve the next page of results.\n@see OfferingTypeValues*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "The token to retrieve the next page of results.\n@see OfferingTypeValues*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results. @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
 {"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100",

"enumType": null,

"fluentSetterDocumentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100

@returns A reference to this object so that method calls can be chained together.",

"getterDocumentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100

@returns Returns the maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100

@returns Returns a reference to this object so that method calls can be chained together.",

"getterMethodName": "getMaxResults",

"getterModel": {
  "returnType": "Integer",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxResults",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "maxResults",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "MaxResults",

"setterDocumentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100

@returns A reference to this object so that method calls can be chained together.",

"setterMethodName": "withMaxResults"
Default: 100

setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> Default: 100
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IncludeMarketplace",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Include Reserved Instance Marketplace offerings in the response. Default: false</p> Include Reserved Instance Marketplace offerings in the response. Default: false
",
"enumType" : null,
@param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIncludeMarketplace",
",
"getterMethodName" : "getIncludeMarketplace",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IncludeMarketplace",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IncludeMarketplace",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IncludeMarketplace",
"setterDocumentation" : "/**
* Include Reserved Instance Marketplace offerings in the response.
* @param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIncludeMarketplace",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "includeMarketplace",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* Include Reserved Instance Marketplace offerings in the response.
* @param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "includeMarketplace",
  "variableType" : "Boolean",
  "documentation" : "Include Reserved Instance Marketplace offerings in the response.
* @param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
* @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MinDuration",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "The minimum duration (in seconds) to filter when searching for offerings.
* @param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"default" : 2592000 (1 month)"
"enumType": null,
"fluentSetterDocumentation": "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>\n@param minDuration The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMinDuration",
"getterDocumentation": "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>\n@return The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)*/",
"getterMethodName": "getMinDuration",
"getterModel": {
  "returnType": "Long",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MinDuration",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MinDuration",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MinDuration",
"setterDocumentation": "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>\n@param minDuration The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)*/",
"setterMethodName": "setMinDuration",
"setterModel": {
  "variableDeclarationType": "Long",
  "variableName": "minDuration",
  "variableType": "Long",
  "documentation": "",
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation" : "/**\n<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
@param minDuration The minimum duration (in seconds) to filter when searching for offerings.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Long",
"variableName" : "minDuration",
"variableType" : "Long",
"documentation" : "The minimum duration (in seconds) to filter when searching for offerings.
Default: 2592000 (1 month)",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxDuration",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "The maximum duration (in seconds) to filter when searching for offerings.
Default: 94608000 (3 years)
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The maximum duration (in seconds) to filter when searching for offerings.</p>
@param maxDuration The maximum duration (in seconds) to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxDuration",
"getterDocumentation" : "/**\n<p>The maximum duration (in seconds) to filter when searching for offerings.</p>
@return The maximum duration (in seconds) to filter when searching for offerings.
Default: 94608000 (3 years)*/",
"getterMethodName" : "getMaxDuration",
"getterModel" : {
"returnType" : "Long",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxDuration",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxDuration",
"setterDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p> 
@param maxDuration The maximum duration (in seconds) to filter when 
searching for offerings.</p> <p>Default: 94608000 (3 years)*/",
"setterMethodName" : "setMaxDuration",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "maxDuration",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p> 
@param maxDuration The maximum duration (in seconds) to filter when 
searching for offerings.</p> <p>Default: 94608000 (3 years)*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "maxDuration",
  "variableType" : "Long",
  "documentation" : "The maximum duration (in seconds) to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"c2jName" : "MaxInstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of instances to filter when searching for offerings.
@return The maximum number of instances to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluuentSetterDocumentation" : "The maximum number of instances to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluuentSetterMethodName" : "withMaxInstanceCount",
"getterDocumentation" : "The maximum number of instances to filter when searching for offerings.
@return The maximum number of instances to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/"
Default: 20*/

```java
getterMethodName = getMaxInstanceCount,
getterModel = {
  "returnType": "Integer",
  "documentation": "",
},
http = {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxInstanceCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxInstanceCount",
  "uri": false
},
idempotencyToken = false,
list = false,
listModel = null,
map = false,
mapModel = null,
name = "MaxInstanceCount",
setterDocumentation = "/**<p>The maximum number of instances to filter when searching for offerings.</p>*/
@param maxInstanceCount The maximum number of instances to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.
*/",
variable = {
  "variableDeclarationType": "Integer",
  "variableName": "maxInstanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
simple = true,
varargSetterDocumentation = "/**<p>The maximum number of instances to filter when searching for offerings.</p>*/
@param maxInstanceCount The maximum number of instances to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.
*/
variable = {
  "variableDeclarationType": "Integer",
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  "variableType": "Integer",
  "variableName": "maxInstanceCount",
  "variableType": "Integer",
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"documentation": "The maximum number of instances to filter when searching for offerings.
Default: 20",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
],
"c2jName": "OfferingClass",
"c2jShape": "OfferingClassType",
"deprecated": false,
"documentation": "The offering class of the Reserved Instance. Can be standard or convertible.
**<p>The offering class of the Reserved Instance. Can be standard or convertible.</p>
/**\n@param offeringClass The offering class of the Reserved Instance. Can be standard or convertible.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/
"fluentSetterMethodName": "withOfferingClass",
"getterDocumentation": "The offering class of the Reserved Instance. Can be standard or convertible.
**\n@return The offering class of the Reserved Instance. Can be standard or convertible.
@see OfferingClassType*/
"getterMethodName": "getOfferingClass",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
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"flattened": false,
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"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "OfferingClass",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "OfferingClass",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OfferingClass",
"setterDocumentation": "The offering class of the Reserved Instance. Can be standard or convertible.
**\n@param offeringClass The offering class of the Reserved Instance. Can be standard or convertible.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/"}
**setterMethodName** : "setOfferingClass",

**setterModel** : {
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    "variableName" : "offeringClass",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/** The offering class of the Reserved Instance. Can be standard or convertible. */",

`@param offeringClass The offering class of the Reserved Instance. Can be standard or convertible. */`;

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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
```

"xmlNameSpaceUri" : null

},

"membersAsMap" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The Availability Zone in which the Reserved Instance can be used. */",
        "enumType" : null,
        "fluentSetterDocumentation" : "/** The Availability Zone in which the Reserved Instance can be used. */",
        "fluentSetterMethodName" : "withAvailabilityZone",
        "getterDocumentation" : "/** The Availability Zone in which the Reserved Instance can be used. */",
        "getterMethodName" : "getAvailabilityZone",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
        }
    }
}
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The
"availability-zone" : "AvailabilityZone",
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The
Availability Zone where the Reserved Instance can be used.</p> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).</li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</li> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</li> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>Linux/UNIX</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code>)</li> <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).</li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).</li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</li> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</li> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>Linux/UNIX</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code>)</li> <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). 

"fluentSetterDocumentation" : "/**
* One or more filters.
* <ul>
* <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
* <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).</li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.
* <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.
* <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>Linux/UNIX</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code>)

"enumType" : ":null,"
description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code>) | <code>Linux/UNIX (Amazon VPC)</code>) | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code>) | <code>Red Hat Enterprise Linux</code>) | <code>Red Hat Enterprise Linux (Amazon VPC)</code>) | <code>Windows</code> | <code>Windows (Amazon VPC)</code>) | <code>Windows with SQL Server Standard</code>) | <code>Windows with SQL Server Standard (Amazon VPC)</code>) | <code>Windows with SQL Server Web</code>) | <code>Windows with SQL Server Web (Amazon VPC)</code>) | <code>Windows with SQL Server Enterprise</code>) | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>) | <code>fenare</code> | <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> </li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code>) or <code>Region</code>). <p> </p> </li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). </p> </li> </ul> <p></ul> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used. <p> </p> </li> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </p> </li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation. </p> </li> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. </p> </li> </ul> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used. </p> </li> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </p> </li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation. </p> </li> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. </p> </li> </ul> <ul> 

</ul>
Server Web <code> | </code> Windows with SQL Server Web (Amazon VPC) <code> | </code> Windows with SQL Server Enterprise <code> | </code> Windows with SQL Server Enterprise (Amazon VPC) 

- The Reserved Instances offering ID.

- The scope of the Reserved Instance (<code>Availability Zone</code>) or <code>Region</code>).  

- The usage price of the Reserved Instance, per hour (for example, 0.84).

```java
	"getterMethodName" : "getFilters",
	"getterModel" : {
		"returnType" : "java.util.List<Filter>",
		"documentation" : null
	},
	"http" : {
		"additionalMarshallingPath" : null,
		"additionalUnmarshallingPath" : null,
		"flattened" : false,
		"greedy" : false,
		"header" : false,
		"isPayload" : false,
		"isStreaming" : false,
		"location" : null,
		"marshallLocationName" : "Filter",
		"queryString" : false,
		"statusCode" : false,
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		"uri" : false
	},
	"idempotencyToken" : false,
	"list" : true,
	"listModel" : {
		"implType" : "com.amazonaws.internal.SdkInternalList",
		"interfaceType" : "java.util.List",
		"listMemberModel" : {
			"c2jName" : "member",
			"c2jShape" : "Filter",
			"deprecated" : false,
			"documentation" : ":",
			"enumType" : null,
			"fluentSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
			"fluentSetterMethodName" : "withMember",
			"getterDocumentation" : "/**\n@\n@return",
			"getterMethod" : {
				:returnType" : "Filter",
				documentation" : null
			},
			"http" : {
				"additionalMarshallingPath" : null,
```
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p>
<ul>
<li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li>
<li><code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </li>
<li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </li>
<li><code>instance-type</code> - The instance type that is covered by the reservation. </li>
<li><code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. </li>
</ul>
@param filters One or more filters.
<ul>
<li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li>
<li><code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </li>
<li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </li>
<li><code>instance-type</code> - The instance type that is covered by the reservation. </li>
<li><code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. </li>
</ul>
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>
},
"simple": false,
"varargSetterDocumentation": ""/*\p*/One or more filters.</p> <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code>). <p> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). <p> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>availability-zone</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code>) | <code>Linux/UNIX (Amazon VPC)</code>) | <code>SUSE Linux</code>) | <code>SUSE Linux (Amazon VPC)</code>) | <code>Red Hat Enterprise Linux</code>) | <code>Red Hat Enterprise Linux (Amazon VPC)</code>) | <code>Windows</code>) | <code>Windows with SQL Server Standard</code>) | <code>Windows with SQL Server Web</code>) | <code>Windows with SQL Server Web (Amazon VPC)</code>) | <code>Windows with SQL Server Enterprise</code>) | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>) | <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</p> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). <p> <ul>
</ul>

NOTE: This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. <p> <ul>
</ul>

Availability Zone where the Reserved Instance can be used. <p> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code>). <p> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). <p> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. <p> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>availability-zone</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code>) | <code>Linux/UNIX (Amazon VPC)</code>) | <code>SUSE Linux</code>) | <code>SUSE Linux (Amazon VPC)</code>) | <code>Red Hat Enterprise Linux</code>) | <code>Red Hat Enterprise Linux (Amazon VPC)</code>) | <code>Windows</code>) | <code>Windows with SQL Server Standard</code>) | <code>Windows with SQL Server Web</code>) | <code>Windows with SQL Server Web (Amazon VPC)</code>) | <code>Windows with SQL Server Web (Amazon VPC)</code>) | <code>Windows with SQL Server Enterprise</code>) | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>) | <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</p> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). <p> <ul>
</ul>

NOTE: This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. <p> <ul>
</ul>

Availability Zone where the Reserved Instance can be used. <p> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code>). <p> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). <p> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. <p> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>availability-zone</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code>) | <code>Linux/UNIX (Amazon VPC)</code>) | <code>SUSE Linux</code>) | <code>SUSE Linux (Amazon VPC)</code>) | <code>Red Hat Enterprise Linux</code>) | <code>Red Hat Enterprise Linux (Amazon VPC)</code>) | <code>Windows</code>) | <code>Windows with SQL Server Standard</code>) | <code>Windows with SQL Server Web</code>) | <code>Windows with SQL Server Web (Amazon VPC)</code>) | <code>Windows with SQL Server Web (Amazon VPC)</code>) | <code>Windows with SQL Server Enterprise</code>) | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>) | <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</p> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). <p> <ul>
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)

1) CentOS
2) Amazon VPC
3) Windows with SQL Server Enterprise
4) Windows with SQL Server Enterprise (Amazon VPC)
5) The Reserved Instances offering ID.
6) The scope of the Reserved Instance (Availability Zone or Region).
7) The usage price of the Reserved Instance, per hour (for example, 0.84).

```
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
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  "variableType": "java.util.List<Filter>",
  "documentation": "One or more filters."
},
"xmlNameSpaceUri": null,
"IncludeMarketplace": {
  "c2jName": "IncludeMarketplace",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "Include Reserved Instance Marketplace offerings in the response."
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"getterMethodName": "getIncludeMarketplace",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
```

*/

\n@Param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
\n@Return Returns a reference to this object so that method calls can be chained together.*


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"returnType": "Boolean",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "IncludeMarketplace",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IncludeMarketplace",
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"setterModel": {
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"variableName": "includeMarketplace",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
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"varargSetterDocumentation": "/*<p>Include Reserved Instance Marketplace offerings in the response.</p>
@\n@param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Boolean",
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"variableType": "Boolean",
"documentation": "<p>Include Reserved Instance Marketplace offerings in the response.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/*<p>Include Reserved Instance Marketplace offerings in the response.</p>
@\n@param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "includeMarketplace",
"variableType": "Boolean",
"documentation": "<p>Include Reserved Instance Marketplace offerings in the response.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
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"xmlnsSpaceUri": null,
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  "c2jName": "InstanceTenancy",
  "c2jShape": "Tenancy",
  "deprecated": false,
  "documentation": "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

  @param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

  @return Returns a reference to this object so that method calls can be chained together.
  @see Tenancy*/",
  "fluentSetterDocumentation": "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

  @param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

  @return Returns a reference to this object so that method calls can be chained together.
  @see Tenancy*/",
  "getterDocumentation": "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

  @param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

  @return Returns a reference to this object so that method calls can be chained together.
  @see Tenancy*/",
  "getterMethodName": "getInstanceTenancy",
  "getterModel": {
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    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "InstanceTenancy",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "instanceTenancy",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": null,
};
"mapModel" : null,
"name" : "InstanceTenancy",
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Default: <code>default</code>

@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

Default: <code>default</code>

@see Tenancy*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

Default: <code>default</code>

@return Returns a reference to this object so that method calls can be chained together.

@see Tenancy*/",
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  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@see InstanceTypes*/",
  "enumType" : "InstanceType",
  "fluentSetterDocumentation" : "/**<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@see InstanceTypes*/
"}
Instance Types</p>
@param instanceType The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/
    
"getterMethodName" : "getInstanceType",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceType",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceType",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p>
@returns The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
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    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p><p>@param instanceType The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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    "documentation" : "<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"MaxDuration" : {
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    "c2jShape" : "Long",
    "deprecated" : false,
    "documentation" : "<p>The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)</p>
@param maxDuration The maximum duration (in seconds) to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)</p>
@param maxDuration The maximum duration (in seconds) to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxDuration",
"getterDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)</p>
@return The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)*/",
"getterMethodName" : "getMaxDuration",
"getterModel" : {
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    "getterDeclarationType" : "Long",
    "getterName" : "getMaxDuration"
}
"documentation" : null
],
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
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 "header" : false,
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 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "MaxDuration",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxDuration",
 "setterDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p>
 <p>Default: 94608000 (3 years)</p>
 @param maxDuration The maximum duration (in seconds) to filter when searching for offerings.</p>
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 "setterMethodName" : "setMaxDuration",
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 "variableName" : "maxDuration",
 "variableType" : "Long",
 "documentation" : "",
 "simpleType" : "Long",
 "variableSetterType" : "Long"
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 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p>
 <p>Default: 94608000 (3 years)</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "Long",
 "variableName" : "maxDuration",
 "variableType" : "Long",
 "documentation" : "<p>The maximum duration (in seconds) to filter when searching for offerings.</p>
 <p>Default: 94608000 (3 years)</p>",
 "simpleType" : "Long",
 "variableSetterType" : "Long"
The maximum number of instances to filter when searching for offerings.

Default: 20

```
/**
The maximum number of instances to filter when searching for offerings.
Default: 20
*/
```

```
public Integer getMaxInstanceCount()
```

```
/**
The maximum number of instances to filter when searching for offerings.
Default: 20
*/
```

```
public void setMaxInstanceCount(Integer maxInstanceCount)
```

```
/**
The maximum number of instances to filter when searching for offerings.
Default: 20
*/
```

```
public void withMaxInstanceCount(Integer maxInstanceCount)
```
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxInstanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of instances to filter when searching for offerings.</p> 
@param maxInstanceCount The maximum number of instances to filter when searching for offerings.</p> 
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
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  "variableType": "Integer",
  "documentation": "<p>The maximum number of instances to filter when searching for offerings.</p> 
<p>Default: 20</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"MaxResults": {
  "c2jName": "MaxResults",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> 
<p>Default: 100</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> 
<p>Default: 100</p>
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "getterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> 
<p>Default: 100</p>",
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  "getterModel": {
    "returnType": "Integer",
    "getterModel": {
      "returnType": "Integer",
    }
  }
}
The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. 

```java
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.

@return Returns a reference to this object so that method calls can be chained together.
```

```

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. 

```java
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.

@return Returns a reference to this object so that method calls can be chained together.
```
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"documentation": "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100</p>",
"simpleType": "Integer",
"variableSetterType": "Integer",
"xmlNameSpaceUri": null,
"MinDuration": {
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"c2jShape": "Long",
"deprecated": false,
"documentation": "<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>
@param minDuration The minimum duration (in seconds) to filter when searching for offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMinDuration",
"getterDocumentation": "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>
@return The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)*/",
"getterMethodName": "getMinDuration",
"getterModel": {
"returnType": "Long",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "MinDuration",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "MinDuration",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"name" : "MinDuration",
"setterDocumentation" : "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
@param minDuration The minimum duration (in seconds) to filter when searching for offerings.</p>
@param Default: 2592000 (1 month)*/",
"setterMethodName" : "setMinDuration",
"setterModel" : {
"variableDeclarationType" : "Long",
"variableName" : "minDuration",
"variableType" : "Long",
"documentation" : "",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "*/
@<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
Default: 2592000 (1 month)
@<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
Default: 2592000 (1 month)
return Returns a reference to this object so that method calls can be chained together.*",
"variable" : {
"variableDeclarationType" : "Long",
"variableName" : "minDuration",
"variableType" : "Long",
"documentation" : "<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
Default: 2592000 (1 month)",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNamespaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>
return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterDocumentation" : "*/\n@<p>The token to retrieve the next page of results.</p>
Default: 2592000 (1 month)
@<p>The token to retrieve the next page of results.
return Returns a reference to this object so that method calls can be chained together.*",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"varargSetterDocumentation" : "*/\n@<p>The token to retrieve the next page of results.
return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "*/\n@<p>The token to retrieve the next page of results.
return The token to retrieve the next page of results.*",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The
token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The
token to retrieve the next page of results.\n@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingClass" : {
  "c2jName" : "OfferingClass",
  "c2jShape" : "OfferingClassType",}
"deprecated" : false,
"documentation" : "The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. */",
"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. */

}@param offeringClass The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. 
@return Returns a reference to this object so that method calls can be chained together. See OfferingClassType*/",
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. 
@return The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. See OfferingClassType*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingClass",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingClass",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : "The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. 
@return Returns a reference to this object so that method calls can be chained together. See OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "offeringClass",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.
\n@\n@return Returns a reference to this object so that method calls can be chained together.@\n\n@see OfferingClassType*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.
  \n  @\n  \n  \n  \n  @see OfferingClassType*/",

"variableSetterType" : "String",
},
"simpleType" : "String",
"xmlNameSpaceUri" : null
},
"OfferingType" : {
  "c2jName" : "OfferingType",
  "c2jShape" : "OfferingTypeValues",
  "deprecated" : false,
  "documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type."
},

"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : "/**\nThe Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n\n@\n\n\n\n\n@see OfferingTypeValues*/",

"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "/**\nThe Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n\n@\n\n\n\n\n@see OfferingTypeValues*/",

"getterMethodName" : "getOfferingType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

```java
\n@see OfferingTypeValues*/
```

The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

```java
\n@see OfferingTypeValues*/
```

The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

```java
\n@see OfferingTypeValues*/
```

The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

```java
\n@see OfferingTypeValues*/
```
"ProductDescription" : {
  "c2jName" : "ProductDescription",
  "c2jShape" : "RIProductDescription",
  "deprecated" : false,
  "documentation" : "<p>The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>",
  "enumType" : "RIProductDescription",
  "fluentSetterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
  "fluentSetterMethodName" : "withProductDescription",
  "getterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@return The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@see RIProductDescription*/",
  "getterMethodName" : "getProductDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductDescription",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProductDescription",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ProductDescription",
  "setterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include &lt;code&gt;(Amazon VPC)&lt;/code&gt; in the description are for use with Amazon VPC.&lt;/p&gt;\n@param productDescription The Reserved Instance product platform description. Instances that include &lt;code&gt;(Amazon VPC)&lt;/code&gt; in the description are for use with Amazon VPC.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null},
"ReservedInstancesOfferingIds" : {
  "c2jName" : "ReservedInstancesOfferingIds",
  "c2jShape" : "ReservedInstancesOfferingIdStringList",
  "deprecated" : false,
  "documentation" : "One or more Reserved Instances offering IDs.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.&lt;/p&gt;\n@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;

  "fluentSetterMethodName" : "withReservedInstancesOfferingIds",
  "getterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.&lt;/p&gt;\n@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.\n@return One or more Reserved Instances offering IDs.&lt;/p&gt;",
  "getterMethodName" : "getReservedInstancesOfferingIds",
  "getterModel" : {
    "returnType" : "java.util.List&lt;String&gt;",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingIds",
"setterDocumentation" : "/**\n<p>One or more Reserved Instances offering IDs.</p>
@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.*/",
"setterMethodName" : "setReservedInstancesOfferingIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesOfferingIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"xmlNameSpaceUri" : null
}
**DescribeReservedInstancesOfferings**

**Parameters:**

- `reservedInstancesOfferingIds` (List<String>)

**Returns:**

A reference to this object so that method calls can be chained together.

**Example:**

```java
DescribeReservedInstancesOfferingsRequest request = new DescribeReservedInstancesOfferingsRequest()
    .withReservedInstancesOfferingIds(reservedInstancesOfferingIds);
```

**Description:**

Contains the output of DescribeReservedInstancesOfferings.

**Usage Notes:**

- This method appends the values to the existing list (if any). Use `setReservedInstancesOfferingIds(java.util.Collection)` or `withReservedInstancesOfferingIds(java.util.Collection)` if you want to override the existing values.
- Returns a reference to this object so that method calls can be chained together.
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { 
  "c2jName" : "ReservedInstancesOfferings",
  "c2jShape" : "ReservedInstancesOfferingList",
  "deprecated" : false,
  "documentation" : "<p>A list of Reserved Instances offerings.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
@\param \nreservedInstancesOfferings A list of Reserved Instances offerings.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstancesOfferings",
  "getterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
@return A list of Reserved Instances offerings.*/",
  "getterMethodName" : "getReservedInstancesOfferings",
  "getterModel" : { 
    "returnType" : "java.util.List<ReservedInstancesOffering>",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesOfferingsSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesOfferingsSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : { 
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : { 
      "c2jName" : "member",
      "c2jShape" : "ReservedInstancesOffering",
      "deprecated" : false,
      "documentation" : "",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesOfferingsSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservedInstancesOfferingsSet",
      "uri" : false
    }
  }
}];
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ReservedInstancesOffering",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedInstancesOffering",
"variableName" : "member",
"variableType" : "ReservedInstancesOffering",
"documentation" : "",
"simpleType" : "ReservedInstancesOffering",
"variableSetterType" : "ReservedInstancesOffering"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ReservedInstancesOffering",
"variableName" : "member",
"variableType" : "ReservedInstancesOffering",
"documentation" : "",
"simpleType" : "ReservedInstancesOffering",
"variableSetterType" : "ReservedInstancesOffering"
}
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"ReservedInstancesOfferings" : {
  "c2jName" : "ReservedInstancesOfferings",
  "c2jShape" : "ReservedInstancesOfferingList",
  "deprecated" : false,
  "documentation" : "<p>A list of Reserved Instances offerings.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* A list of Reserved Instances offerings.
*\n* @param reservedInstancesOfferings A list of Reserved Instances offerings.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesOfferings",
"getterDocumentation" : "/**\n* A list of Reserved Instances offerings.
*\n* @return A list of Reserved Instances offerings.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getReservedInstancesOfferings",
"getterModel" : {
  "returnType" : "java.util.List<ReservedInstancesOffering>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesOfferingsSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesOfferingsSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesOffering",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstancesOffering",
      "documentation" : null
    },
    "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedInstancesOffering",
"variableName" : "member",
"variableType" : "ReservedInstancesOffering",
"documentation" : "",
"simpleType" : "ReservedInstancesOffering",
"variableSetterType" : "ReservedInstancesOffering"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ReservedInstancesOffering",
"variableName" : "member",
"variableType" : "ReservedInstancesOffering",
"documentation" : "",
"simpleType" : "ReservedInstancesOffering",
"variableSetterType" : "ReservedInstancesOffering"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesOffering",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesOffering",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
"templateType" : "java.util.List<ReservedInstancesOffering>",
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferings",
"setterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
@param reservedInstancesOfferings A list of Reserved Instances offerings.*/",
"setterMethodName" : "setReservedInstancesOfferings",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
   "variableName" : "reservedInstancesOfferings",
   "variableType" : "java.util.List<ReservedInstancesOffering>",
   "documentation" : "",
   "simpleType" : "List<ReservedInstancesOffering>",
   "variableSetterType" : "java.util.Collection<ReservedInstancesOffering>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesOfferings(java.util.Collection)} or {@link #withReservedInstancesOfferings(java.util.Collection)} if you want to override the existing values. */
@param reservedInstancesOfferings A list of Reserved Instances offerings.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
   "variableName" : "reservedInstancesOfferings",
   "variableType" : "java.util.List<ReservedInstancesOffering>",
   "documentation" : "<p>A list of Reserved Instances offerings.</p>",
   "simpleType" : "List<ReservedInstancesOffering>",
   "variableSetterType" : "java.util.Collection<ReservedInstancesOffering>",
   "xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesOfferingsResult",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
   "variableName" : "reservedInstancesOfferings",
   "variableType" : "java.util.List<ReservedInstancesOffering>",
   "documentation" : "<p>A list of Reserved Instances offerings.</p>",
   "simpleType" : "List<ReservedInstancesOffering>",
   "variableSetterType" : "java.util.Collection<ReservedInstancesOffering>",
   "xmlNameSpaceUri" : null
}
"variableDeclarationType" : "DescribeReservedInstancesOfferingsResult",
"variableName" : "describeReservedInstancesOfferingsResult",
"variableType" : "DescribeReservedInstancesOfferingsResult",
"documentation" : null,
"simpleType" : "DescribeReservedInstancesOfferingsResult",
"variableSetterType" : "DescribeReservedInstancesOfferingsResult"
},
"wrapper" : false
},
"DescribeReservedInstancesRequest" : {
"c2jName" : "DescribeReservedInstancesRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeReservedInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeReservedInstances",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "ReservedInstancesIds",
    "c2jShape" : "ReservedInstancesIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved
Instances, or only those otherwise specified.</p>"
  },
  {
    "c2jName" : "ReservedInstancesIds",
    "c2jShape" : "ReservedInstancesIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved
Instances, or only those otherwise specified.</p>"
  }
],
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved
Instances, or only those otherwise specified.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesIds",
"getterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved
Instances, or only those otherwise specified.</p>\n@returns One or more Reserved Instance IDs.</p>"
"Default: Describes all your Reserved
Instances, or only those otherwise specified.*\n"
"getterMethodName" : "getReservedInstancesIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedInstancesId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@param member\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "uri" : false
    }
  }
}
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"status" : null,
"unmarshallLocationName" : "ReservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstancesId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
}
"map": false,
"mapModel": null,
"name": "ReservedInstancesIds",
"setterDocumentation": "/**<p>One or more Reserved Instance IDs.
Default: Describes all your Reserved Instances, or only those otherwise specified.</p>*/
@param reservedInstancesIds One or more Reserved Instance IDs.
Default: Describes all your Reserved Instances, or only those otherwise specified.*",
"setterMethodName": "setReservedInstancesIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "reservedInstancesIds",
  "variableType": "java.util.List<String>",
  "documentation": ":",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more Reserved Instance IDs.
Default: Describes all your Reserved Instances, or only those otherwise specified.</p>
NOTE: This method appends the values to the existing list (if any). Use
{@link #setReservedInstancesIds(java.util.Collection)} or
{@link #withReservedInstancesIds(java.util.Collection)} if you want to override the existing values.

@param reservedInstancesIds One or more Reserved Instance IDs.
Default: Describes all your Reserved Instances, or only those otherwise specified.
@return Returns a reference to this object so that method calls can be chained together.*/
", "variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "reservedInstancesIds",
  "variableType": "java.util.List<String>",
  "documentation": <p>One or more Reserved Instance IDs.
Default: Describes all your Reserved Instances, or only those otherwise specified.</p>
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"},
"xmlNameSpaceUri": null,
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "/p>One or more filters. <ul>
<li><p><code>availability-zone</code></p> - The Availability Zone where the Reserved Instance can be used.</li>
<li><p><code>duration</code></p> - The duration of the Reserved Instance (one year or three years), in seconds.</li>
<li><p><code>end</code></p> - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).</li>
<li><p><code>fixed-price</code></p> - The purchase price of the Reserved Instance (for example, 9800.00).</li>
<li><p><code>instance-type</code></p> - The instance type that is covered by the reservation.</li>
<li><p><code>product-description</code></p> - The scope of the Reserved Instance (Region or Availability Zone).</li>
</ul> - The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the product description will only be displayed to EC2-Classic account holders and are for
use with Amazon VPC (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE
| Availability Zone | The Availability Zone where the Reserved Instance can be used.  
| Duration | The duration of the Reserved Instance (one year or three years), in seconds (31536000 | 94608000000).  
| End | The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).  
| Fixed Price | The purchase price of the Reserved Instance (for example, 9800.0).  
| Instance Type | The instance type that is covered by the reservation.  
| Scope | The scope of the Reserved Instance (Region or Availability Zone).  
| Product Description | The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (Linux/UNIX | Linux/UNIX (Amazon VPC) | SUSE Linux | Red Hat Enterprise Linux | Windows | Windows (Amazon VPC) | Windows with SQL Server Standard | Windows with SQL Server Web | Windows with SQL Server Web (Amazon VPC) | Windows with SQL Server Enterprise | Windows with SQL Server Enterprise (Amazon VPC).  
| Reserved Instances ID | The ID of the Reserved Instance.  
| Start | The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).  
| State | The state of the Reserved Instance (payment-pending | active | payment-failed | retired).  
| Tag | The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.  
| Tag Key | The key of a tag assigned to the resource. This filter is independent of the tag:value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:value filter.  
| Tag Value | The value of a tag assigned to the resource. This filter is independent of the tag:key filter. If you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:value filter.
"usage-price" - The usage price of the Reserved Instance, per hour (for example, 0.84).
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
"setterDocumentation": "/**
 * One or more filters.
 */
<ul>
<li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li>
<li><code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds.
</li>
<li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.000000).
</li>
<li><code>instance-type</code> - The instance type that is covered by the reservation.
</li>
<li><code>scope</code> - The scope of the Reserved Instance (Region or Availability Zone).
</li>
<li><code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
</li>
<li><code>reserved-instances-id</code> - The ID of the Reserved Instance.</li>
<li><code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
</li>
<li><code>state</code> - The state of the Reserved Instance (payment-pending, active, payment-failed, retired).
</li>
<li><code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>key</i>=<i>value</i> filter.</li>
<li><code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).
</li>
<li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
</li>
<li><code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds.
</li>
<li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.000000).
</li>
<li><code>instance-type</code> - The instance type that is covered by the reservation.
</li>
<li><code>scope</code> - The scope of the Reserved Instance (Region or Availability Zone).
</li>
<li><code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
</li>
<li><code>reserved-instances-id</code> - The ID of the Reserved Instance.</li>
<li><code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
</li>
<li><code>state</code> - The state of the Reserved Instance (payment-pending, active, payment-failed, retired).
</li>
<li><code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>key</i>=<i>value</i> filter.
combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \”tag-key=Purpose\” and the filter \”tag-value=XX\”, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag:&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;usage-price&lt;/code&gt; - The usage price of the Reserved Instance, per hour (for example, 0.84).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;&lt;p&gt;NOTE:&lt;/b&gt; This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;availability-zone&lt;/code&gt; - The Availability Zone where the Reserved Instance can be used.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;duration&lt;/code&gt; - The duration of the Reserved Instance (one year or three years), in seconds (&lt;code&gt;31536000&lt;/code&gt; | &lt;code&gt;94608000&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;end&lt;/code&gt; - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;fixed-price&lt;/code&gt; - The purchase price of the Reserved Instance (for example, 9800.0).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;instance-type&lt;/code&gt; - The instance type that is covered by the reservation.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;scope&lt;/code&gt; - The scope of the Reserved Instance (&lt;code&gt;Region&lt;/code&gt; or &lt;code&gt;Availability Zone&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;product-description&lt;/code&gt; - The Reserved Instance product platform description. Instances that include &lt;code&gt;(Amazon VPC)&lt;/code&gt; in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (&lt;code&gt;Linux/UNIX&lt;/code&gt; | &lt;code&gt;Linux/UNIX (Amazon VPC)&lt;/code&gt; | &lt;code&gt;SUSE Linux&lt;/code&gt; | &lt;code&gt;SUSE Linux (Amazon VPC)&lt;/code&gt; | &lt;code&gt;Red Hat Enterprise Linux&lt;/code&gt; | &lt;code&gt;Red Hat Enterprise Linux (Amazon VPC)&lt;/code&gt; | &lt;code&gt;Windows&lt;/code&gt; | &lt;code&gt;Windows (Amazon VPC)&lt;/code&gt; | &lt;code&gt;Windows with SQL Server Standard&lt;/code&gt; | &lt;code&gt;Windows with SQL Server Standard (Amazon VPC)&lt;/code&gt; | &lt;code&gt;Windows with SQL Server Web&lt;/code&gt; | &lt;code&gt;Windows with SQL Server Web (Amazon VPC)&lt;/code&gt; | &lt;code&gt;Windows with SQL Server Enterprise&lt;/code&gt; | &lt;code&gt;Windows with SQL Server Enterprise (Amazon VPC)&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;reserved-instances-id&lt;/code&gt; - The ID of the Reserved Instance.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;start&lt;/code&gt; - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the Reserved Instance (&lt;code&gt;payment-pending&lt;/code&gt; | &lt;code&gt;active&lt;/code&gt; | &lt;code&gt;payment-failed&lt;/code&gt; | &lt;code&gt;retired&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;tag&lt;/code&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \”tag-key=Purpose\” and the filter \”tag-value=XX\”, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag:tag:&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;usage-price&lt;/code&gt; - The usage price of the Reserved Instance, per hour (for example, 0.84).&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;/li&gt; &lt;/ul&gt;Returns a reference to this object so that method calls can be chained together.&gt;"};
Availability Zone where the Reserved Instance can be used."
"<li> duration - The duration of the Reserved Instance (one year or three years), in seconds.
"<li> fixed-price - The purchase price of the Reserved Instance (for example, 9800.0).
"<li> instance-type - The instance type that is covered by the reservation.
"<li> scope - The scope of the Reserved Instance.
"<li> product-description - The Reserved Instance product platform description. Instances that include Amazon
VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon
VPC (Linux/UNIX | SUSE Linux | Red Hat Enterprise Linux | Windows | Windows (Amazon VPC)) | Windows with SQL Server Standard | Windows with SQL Server Web | Windows with SQL Server Enterprise | Windows with SQL Server Enterprise (Amazon VPC)).
"<li> reserved-instances-id - The ID of the Reserved Instance.
"<li> start - The time at which the Reserved Instance purchase request was placed.
"<li> state - The state of the Reserved Instance.
"<li> tag:key=value - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value.
"<li> tag-key - The key of a tag assigned to the resource. This filter is independent of the tag-value filter.
"<li> tag-value - The value of a tag assigned to the resource. This filter is independent of the tag-key filter.
"<li> usage-price - The usage price of the Reserved Instance, per hour.

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"variableSetterType": "java.util.Collection<Filter>"
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    "c2jShape": "OfferingTypeValues",
    "deprecated": false,
    "documentation": "/** The Reserved Instance offering type. If you are using tools that predate the 2011-11-01
API version, you only have access to the Medium Utilization Reserved Instance offering type. */",
    "enumType": "OfferingTypeValues",
    "fluentSetterDocumentation": "/** The Reserved Instance offering type. If you are using tools that predate
the 2011-11-01 API version, you only have access to the Medium Utilization Reserved Instance
offering type. **/
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    "fluentSetterMethodName": "withOfferingType",
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"getterDocumentation" : "/**\n<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.</p>\n@return The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "offeringType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**\n<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
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  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@param offerings The Reserved Instance offering types. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@see OfferingTypeValues*/
*/"}
offering type. @param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. @return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
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      "variableName" : "offeringType",
      "variableType" : "String",
      "documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type."
    },
    "xmlNameSpaceUri" : null}
}, {
  "c2jName" : "OfferingClass",
  "c2jShape" : "OfferingClassType",
  "deprecated" : false,
  "documentation" : "Describes whether the Reserved Instance is Standard or Convertible.
  @param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
  @return Returns a reference to this object so that method calls can be chained together.
  @see OfferingClassType*/",
  "fluentSetterMethodName" : "withOfferingClass",
  "getterDocumentation" : "Describes whether the Reserved Instance is Standard or Convertible.
  @param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
  @return Describes whether the Reserved Instance is Standard or Convertible.
  @see OfferingClassType*/",
  "getterMethodName" : "getOfferingClass",
  "getterModel" : {
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    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OfferingClass",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "OfferingClass",
    "uri" : false
  }
}
/**
 * Describes whether the Reserved Instance is Standard or Convertible.
 * @param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
 * @see OfferingClassType*/

string offeringClass;

/**
 * Describes whether the Reserved Instance is Standard or Convertible.
 * @param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see OfferingClassType*/

string offeringClass;

One or more filters.

Availability Zone where the Reserved Instance can be used.

The time when the Reserved Instance expires

The purchase price of the Reserved Instance

The instance type that is covered by the reservation.

The scope of the Reserved Instance

Region

Availability Zone

The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for

- **availability-zone** - The Availability Zone where the Reserved Instance can be used.</p> 

- **duration** - The duration of the Reserved Instance (one year or three years), in seconds.</p> 

- **end** - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).</p> 

- **fixed-price** - The purchase price of the Reserved Instance (for example, 9800.0).</p> 

- **instance-type** - The instance type that is covered by the reservation.</p> 

- **product-description** - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>). </p> 

- **reserved-instances-id** - The ID of the Reserved Instance.</p> 

- **start** - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p> 

- **state** - The state of the Reserved Instance (<code>payment-pending</code> | <code>active</code> | <code>payment-failed</code> | <code>retired</code>). </p> 

- **tag**:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 

- **tag-key** - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=Xi\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 

- **usage-price** - The usage price of the Reserved Instance, per hour (for example, 0.84). </p> 

"enumType" : null,
value="X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
</ul>
<p>For example, to list only resources where the tag key Purpose is X, use the following filter:

<code>tag:Purpose=X</code>.</p>

### Filters for Reserved Instances

Here is a list of filters that you can use to search Reserved Instances:</li>

- **availability-zone** - The Availability Zone where the Reserved Instance can be used.</li>
- **duration** - The duration of the Reserved Instance (one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).<p> You can use this filter to find out how much time is remaining on the Reserved Instance.</p>
- **end** - The time when the Reserved Instance expires (for example, 2014-08-07T11:54:42.000Z).<p> You can use this filter to find out when the Reserved Instance will expire.</p>
- **fixed-price** - The purchase price of the Reserved Instance (for example, 9800.0).<p> You can use this filter to find out how much you paid for the Reserved Instance.</p>
- **instance-type** - The instance type that is covered by the reservation.<p> You can use this filter to find out what type of instance is covered by the reservation.</p>
- **scope** - The scope of the Reserved Instance (<code>Region</code> or <code>Availability Zone</code>).<p> You can use this filter to find out where the Reserved Instance is located.</p>
- **product-description** - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>).<p> You can use this filter to find out what type of instance is covered by the reservation.</p>
- **reserved-instances-id** - The ID of the Reserved Instance.<p> You can use this filter to find out the ID of the Reserved Instance.</p>
- **start** - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).<p> You can use this filter to find out when the Reserved Instance was purchased.</p>
- **state** - The state of the Reserved Instance (<code>payment-pending</code> | <code>active</code> | <code>payment-failed</code> | <code>retired</code>).<p> You can use this filter to find out the state of the Reserved Instance.</p>
- **tag**:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Purpose</code> for the filter value.</li>
- **tag-key** - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <"tag-key=Purpose" and the filter <"tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <"tag-key=Purpose" and the filter <"tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>

### Example Usage

Here is an example of how to use the filters to find out information about Reserved Instances:

- To find out all Reserved Instances that are in the Region, use the following filter:

  <code>scope=Region</code>

- To find out all Reserved Instances that are in the Availability Zone, use the following filter:

  <code>scope=Availability Zone</code>

- To find out all Reserved Instances that are in the Region and have a tag key Purpose with a value of X, use the following filter:

  <code>tag:Purpose=X</code>

- To find out all Reserved Instances that are in the Region and have a tag key Purpose with a value of X, and a tag key Tags with a value Tags, use the following filters:

  <code>tag:Purpose=X</code> and <code>tag:Tags=Tags</code>

- To find out all Reserved Instances that are in the Region and have a tag key Purpose with a value of X, and a tag key Tags with a value Tags, and a tag key Region with a value Region, use the following filters:

  <code>tag:Purpose=X</code> and <code>tag:Tags=Tags</code> and <code>tag:Region=Region</code>

- To find out all Reserved Instances that are in the Region and have a tag key Purpose with a value of X, and a tag key Tags with a value Tags, and a tag key Region with a value Region, and a tag key Availability Zone with a value Availability Zone, use the following filters:

  <code>tag:Purpose=X</code> and <code>tag:Tags=Tags</code> and <code>tag:Region=Region</code> and <code>tag:Availability Zone=Availability Zone</code>

- To find out all Reserved Instances that are in the Region and have a tag key Purpose with a value of X, and a tag key Tags with a value Tags, and a tag key Region with a value Region, and a tag key Availability Zone with a value Availability Zone, and a tag key Product Description with a value Product Description, use the following filters:

  <code>tag:Purpose=X</code> and <code>tag:Tags=Tags</code> and <code>tag:Region=Region</code> and <code>tag:Availability Zone=Availability Zone</code> and <code>tag:Product Description=Product Description</code>

- To find out all Reserved Instances that are in the Region and have a tag key Purpose with a value of X, and a tag key Tags with a value Tags, and a tag key Region with a value Region, and a tag key Availability Zone with a value Availability Zone, and a tag key Product Description with a value Product Description, and a tag key Product Type with a value Product Type, use the following filters:

  <code>tag:Purpose=X</code> and <code>tag:Tags=Tags</code> and <code>tag:Region=Region</code> and <code>tag:Availability Zone=Availability Zone</code> and <code>tag:Product Description=Product Description</code> and <code>tag:Product Type=Product Type</code>

### Examples

Here are some examples of how to use the filters:

- To find out all Reserved Instances that are in the Region and have a tag key Purpose with a value of X, use the following filter:

  <code>tag:Purpose=X</code>

- To find out all Reserved Instances that are in the Region and have a tag key Tags with a value Tags, use the following filter:

  <code>tag:Tags=Tags</code>

- To find out all Reserved Instances that are in the Region and have a tag key Region with a value Region, use the following filter:

  <code>tag:Region=Region</code>

- To find out all Reserved Instances that are in the Region and have a tag key Availability Zone with a value Availability Zone, use the following filter:

  <code>tag:Availability Zone=Availability Zone</code>

- To find out all Reserved Instances that are in the Region and have a tag key Product Description with a value Product Description, use the following filter:

  <code>tag:Product Description=Product Description</code>

- To find out all Reserved Instances that are in the Region and have a tag key Product Type with a value Product Type, use the following filter:

  <code>tag:Product Type=Product Type</code>
<code>tag</code>::<i>key</i>=<i>value</i> filter.  

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The usage price of the Reserved Instance, per hour (for example, 0.84).

```
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},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/\n@getMember",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
```

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"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
One or more filters.
The Availability Zone where the Reserved Instance can be used.
The duration of the Reserved Instance (one year or three years), in seconds.
The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
- The purchase price of the Reserved Instance (for example, 9800.0).
- The instance type that is covered by the reservation.
- The scope of the Reserved Instance (Region or Availability Zone).
- The Reserved Instance product description.
- The ID of the Reserved Instance.
- The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
- The state of the Reserved Instance.
- The ID of the Reserved Instance.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-filter</code>:<i>key</i>=<i>value</i> filter.
- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
- The usage price of the Reserved Instance, per hour (for example, 0.84).
- One or more filters.
- The Availability Zone where the Reserved Instance can be used.
- The duration of the Reserved Instance (one year or three years), in seconds.
The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
- The purchase price of the Reserved Instance (for example, 9800.0).
- The instance type that is covered by the reservation.
- The scope of the Reserved Instance.
- The Reserved Instance product description.
Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
The state of the Reserved Instance (payment-pending)
| active | payment-failed | retired

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Y</code> for the filter value.

The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-value=0.84" and the filter "tag-key=usage-price", you get any resources assigned both the tag value 0.84 (regardless of what the tag's key is). If you want to list only resources where the usage price is 0.84, use the <code>tag-value=0.84</code> filter.

The usage price of the Reserved Instance, per hour (for example, 0.84).

This method appends the values to the existing list (if any). Use @link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values.

The Availability Zone where the Reserved Instance can be used.

The duration of the Reserved Instance (one year or three years), in seconds (31536000 | 94608000).

The time when the Reserved Instance expires (for example, 2015-08-07T11:54:20.000Z).

The purchase price of the Reserved Instance (for example, 9800.0).

The instance type that is covered by the reservation.

The scope of the Reserved Instance (Region | Availability Zone).

The Reserved Instance product platform description. Instances that include <code>Amazon VPC</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (Linux/UNIX | Linux/UNIX (Amazon VPC) | SUSE Linux | SUSE Linux (Amazon VPC) | Red Hat Enterprise Linux | Red Hat Enterprise Linux (Amazon VPC) | Windows | Windows (Amazon VPC) | Windows with SQL Server Standard | Windows with SQL Server Enterprise (Amazon VPC)).

The ID of the Reserved Instance.

The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:20.000Z).

The state of the Reserved Instance (payment-pending | active | payment-failed | retired).

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "usage-price=0.84" and the filter "usage-price", you get any resources assigned both the tag usage price 0.84 (regardless of what the tag's key is). If you want to list only resources where the usage price is 0.84, use the <code>tag-value=0.84</code> filter.
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul>
<li><p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p>
</li>
<li><p> <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds.</p>
</li>
<li><p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</p>
</li>
<li><p> <code>instance-type</code> - The instance type that is covered by the reservation.</p>
</li>
<li><p> <code>scope</code> - The scope of the Reserved Instance (Region or Availability Zone). The ID of the Reserved Instance.</p>
</li>
<li><p> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p>
</li>
<li><p> <code>state</code> - The state of the Reserved Instance (payment-pending | active | payment-failed | retired).</p>
</li>
<li><p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
</li>
<li><p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>
</li>
<li><p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>::<i>key</i>=<i>value</i> filter.</p>
</li>
<li><p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).</p>
</li>
</ul>"
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "/**<p>Describes whether the Reserved Instance is Standard or Convertible.</p>
@return Describes whether the Reserved Instance is Standard or Convertible.
@see OfferingClassType*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingClass",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OfferingClass",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : "/**<p>Describes whether the Reserved Instance is Standard or Convertible.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Describes whether the Reserved Instance is Standard or Convertible.</p>
@param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
@see OfferingClassType*/",
"variable" : {
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
@param offeringType The Reserved Instance offering type.
@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
@param offeringType The Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesIds" : {
  "c2jName" : "ReservedInstancesIds",
  "c2jShape" : "ReservedInstancesIdStringList",
  "deprecated" : false,
  "documentation" : "One or more Reserved Instance IDs. Default: Describes all your Reserved Instances, or only those otherwise specified.

"enumType" : null,
  "fluentSetterDocumentation" : "One or more Reserved Instance IDs. Default: Describes all your Reserved Instances, or only those otherwise specified."
Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.
@return Returns a reference to this object so that method calls can be chained together.*"*/

"fluentSetterMethodName" : "withReservedInstancesIds",
"getterDocumentation" : "/**\nOne or more Reserved Instance IDs.\n<p>Default: Describes all your Reserved Instances, or only those otherwise specified.\n@return One or more Reserved Instance IDs.*/

"getterMethodName" : "getReservedInstancesIds",
"getterModel" : { 
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : { 
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstancesId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"complexType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved Instances, or only those otherwise specified.</p>\n@param reservedInstancesIds One or more Reserved Instance IDs.</p> Default: Describes all your Reserved Instances, or only those otherwise specified.*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved Instances, or only those otherwise specified.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \n@link #setReservedInstancesIds(java.util.Collection) or \n@link #withReservedInstancesIds(java.util.Collection) if you want to override the existing values.</p>\n@param reservedInstancesIds One or more Reserved Instance IDs.</p> Default: Describes all your Reserved Instances, or only those otherwise specified.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved Instances, or only those otherwise specified.\n",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
}
"variableName" : "describeReservedInstancesRequest",
"variableType" : "DescribeReservedInstancesRequest",
"documentation" : null,
"simpleType" : "DescribeReservedInstancesRequest",
"variableSetterType" : "DescribeReservedInstancesRequest"
},
"wrapper" : false
},
"DescribeReservedInstancesResult" : {
"c2jName" : "DescribeReservedInstancesResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeReservedInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
 { "c2jName" : "ReservedInstances",
 "c2jShape" : "ReservedInstancesList",
 "deprecated" : false,
 "documentation" : "<p>A list of Reserved Instances.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>A list of Reserved Instances.</p>
@param reservedInstances A list of Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withReservedInstances",
 "getterDocumentation" : "/**<p>A list of Reserved Instances.</p>
@return A list of Reserved Instances.
*/",
 "getterMethodName" : "getReservedInstances",
 "getterModel" : {
 "returnType" : "java.util.List<ReservedInstances>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
}
"setterDocumentation" : "/**@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstances",
  "variableName" : "member",
  "variableType" : "ReservedInstances",
  "documentation" : "",
  "simpleType" : "ReservedInstances",
  "variableSetterType" : "ReservedInstances"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "ReservedInstances",
  "variableName" : "member",
  "variableType" : "ReservedInstances",
  "documentation" : "",
  "simpleType" : "ReservedInstances",
  "variableSetterType" : "ReservedInstances"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstances",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstances",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
"templateType" : "java.util.List<ReservedInstances>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstances",
"setterDocumentation" : "<p>A list of Reserved Instances.</p>
@param reservedInstances A list of Reserved Instances.</p>\n@returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setReservedInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
  "variableName" : "reservedInstances",
  "variableType" : "java.util.List<ReservedInstances>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstances>",
  "variableSetterType" : "java.util.Collection<ReservedInstances>"
"simple" : false,

"varargSetterDocumentation" : "/**<p>A list of Reserved Instances.</p>
**/\n@<b>NOTE:</b> This method appends the values to the existing list (if any). Use {link #setReservedInstances(java.util.Collection)} or {link #withReservedInstances(java.util.Collection)} if you want to override the existing values.\n@<p>param reservedInstances A list of Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
  "variableName" : "reservedInstances",
  "variableType" : "java.util.List<ReservedInstances>",
  "documentation" : "<p>A list of Reserved Instances.</p>",
  "simpleType" : "List<ReservedInstances>",
  "variableSetterType" : "java.util.Collection<ReservedInstances>",
},

"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "ReservedInstances" : {
    "c2jName" : "ReservedInstances",
    "c2jShape" : "ReservedInstancesList",
    "deprecated" : false,
    "documentation" : "<p>A list of Reserved Instances.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of Reserved Instances.</p>
"param reservedInstances A list of Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstances",
    "getterDocumentation" : "/**<p>A list of Reserved Instances.</p>
@<p>return A list of Reserved Instances.*/",
    "getterMethodName" : "getReservedInstances",
    "getterModel" : {
      "returnType" : "java.util.List<ReservedInstances>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservedInstancesSet",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstances",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstances",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "ReservedInstances",
      "variableName" : "member",
      "variableType" : "ReservedInstances",
      "documentation" : "",
    }
  }
}
"simpleType": "ReservedInstances",
"variableSetterType": "ReservedInstances"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ReservedInstances",
"variableName": "member",
"variableType": "ReservedInstances",
"documentation": "",
"simpleType": "ReservedInstances",
"variableSetterType": "ReservedInstances"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstances",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstances",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
"templateType": "java.util.List<ReservedInstances>"
},
"map": false,
"mapModel": null,
"name": "ReservedInstances",
"setterDocumentation": "/**<p>A list of Reserved Instances.</p>
@param reservedInstances A list of Reserved Instances.*/",
"setterMethodName": "setReservedInstances",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstances>"",
"variableName": "reservedInstances",
"variableType": "java.util.List<ReservedInstances>"",
"documentation": "",
"simpleType": "List<ReservedInstances>",
"variableSetterType": "java.util.Collection<ReservedInstances>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>A list of Reserved Instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstances(java.util.Collection)} or {@link #withReservedInstances(java.util.Collection)} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
  "variableName" : "reservedInstances",
  "variableType" : "java.util.List<ReservedInstances>",
  "documentation" : "<p>A list of Reserved Instances.</p>",
  "simpleType" : "List<ReservedInstances>",
  "variableSetterType" : "java.util.Collection<ReservedInstances>"
},
"xmlNameSpaceUri" : null
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesResult",
  "variableName" : "describeReservedInstancesResult",
  "variableType" : "DescribeReservedInstancesResult",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesResult",
  "variableSetterType" : "DescribeReservedInstancesResult"
},
"wrapper" : false
",
"DescribeRouteTablesRequest" : {
  "c2jName" : "DescribeRouteTablesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeRouteTables.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeRouteTables",
    "locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [{
"c2jName" : "RouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs.\</p>\<p>Default: Describes all your route tables.\</p>",\n"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>One or more route table IDs.\</p>\<p>Default: Describes all your route tables.\</p>\<p>@return One or more route table IDs.\</p>\<p>Default: Describes all your route tables.*/",
"getterDocumentation" : "/**\<p>One or more route table IDs.\</p>\<p>Default: Describes all your route tables.\</p>\<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "withRouteTableIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that 
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member 
@return Returns a reference to this object so that 
method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that 
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": ""
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/**<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>
@param routeTableIds One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "routeTableIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>\n@param routeTableIds One or more route table IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "routeTableIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>\n"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
<code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> <li> <p> <code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p> <li> <p> <code>route.state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).</p> <li> <p> <code>route.vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> tag:X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> <li> <p> <code>vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.</p> <li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>). If you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the route table.</p> <li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p> <li> <p> <code>route.route-table-id</code> - The ID of the route table.</p> <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> <li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.</p> <li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the table.</p> <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> <li> <p> <code>route.tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.
The ID of the VPC for the route table.

- Indicates whether the route table is the main route table for the VPC

The ID of an association ID for the route table.

The ID of the route table involved in the association.

The ID of the subnet involved in the association.

The ID of the route table.

The IPv4 CIDR range specified in a route in the table.

The IPv6 CIDR range specified in a route in the route table.

The ID (prefix) of the AWS service specified in a route in the table.

One or more filters.

- Indicates whether the route table is the main route table for the VPC

- The IPv4 CIDR range specified in a route in the table.

- The IPv6 CIDR range specified in a route in the route table.

- The ID (prefix) of the AWS service specified in a route in the table.

- The ID of the route table.

- The ID of an instance specified in a route in the table.

- The ID of a NAT gateway.

- Describes how the route was created. Indicates that the route was automatically created when the route table was created; indicates that the route was manually added to the route table; indicates that the route was propagated by route propagation.

- The state of a route in the route table

The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).

The ID of a VPC peering connection specified in a route in the table.

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

The ID of the VPC for the route table.

The ID of an association ID for the route table.

The ID of the route table involved in the association.

The ID of the subnet involved in the association.

Indicates whether the route table is the main route table for the VPC

The ID (prefix) of the AWS service specified in a route in the table.

The ID of an egress-only Internet gateway specified in a route in the route table.

The IP range specified in a route in the route table.

The ID of a gateway specified in a route in the table.

The ID of a VPC peering connection specified in a route in the table.

Indicates that the route was manually added to the route table; indicates that the route was propagated by route propagation.

Indicates that the route was automatically created when the route table was created; indicates that the route was manually added to the route table; indicates that the route was propagated by route propagation.

Indicates whether the route table is the main route table for the VPC

The ID (prefix) of the AWS service specified in a route in the table.

The ID of an egress-only Internet gateway specified in a route in the route table.

The ID of a gateway specified in a route in the table.

The ID of a NAT gateway.

Describes how the route was created.
CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation. The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on). <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation. The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : ""}
"simpleType" : "Filter",
"variableSetterType" : "Filter"
",
"xmlNameSpaceUri" : null
",
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p>  
  <ul>  
    <li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li>  
    <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li>  
    <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li>  
    <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC</p> </li>  
    <li> <p> <code>route-table-id</code> - The ID of the route table.</p> </li>  
    <li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.</p> </li>  
    <li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p> </li>  
    <li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.</p> </li>  
    <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> </li>  
    <li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.</p> </li>  
    <li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the table.</p> </li>  
    <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> </li>  
    <li> <p> <code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p> </li>  
    <li> <p> <code>route.state</code> - The state of a route in the route table</p> </li>  
  </ul>  
  <p>For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose</code> for the filter name and &lt;code&gt;X</code> for the filter value.</p>  
  &lt;/ul&gt;  
</code>
only resources where Purpose is X, see the `<code>tag</code>`:<i>key</i>=<i>value</i> filter.</p> 
</li> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li> 
<li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li> 
<li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li> 
<li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> 
<li> <p> <code>route-table-id</code> - The ID of the route table.</p> </li> 
<li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> </li> 
<li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the route table.</p> </li> 
<li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the route table.</p> </li> 
<li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> </li> 
<li> <p> <code>route.origin</code> - Describes how the route was created.</p> </li> 
<code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table;</p> 
<code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p> 
<li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li> 
</ul></p> 

```java
setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more filters.*/ <ul> <li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li> 
<li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li> 
</ul>"
<code>association.main</code> - Indicates whether the route table is the main route table for the VPC.
- <code>true</code> indicates the route table is the main route table; <code>false</code> indicates the route table is not the main route table.
- <code>association.route-table-association-id</code> - The ID of the association.
- <code>association.route-table-id</code> - The ID of the route table involved in the association.
- <code>association.subnet-id</code> - The ID of the subnet involved in the association.
- <code>association.main</code> - Indicates whether the route table is the main route table for the VPC.
- <code>route-table-id</code> - The ID of the route table.
- <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.
- <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the table.
- <code>route.destination-prefix-list-id</code> - The ID of a prefix list.
- <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.
- <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.
- <code>route.instance-id</code> - The ID of an instance specified in a route in the table.
- <code>route.nat-gateway-id</code> - The ID of an NAT gateway.
- <code>route.origin</code> - Describes how the route was created.
- <code>CreateRouteTable</code> indicates the route was automatically created when the route table was created.
- <code>CreateRoute</code> indicates the route was manually added to the route table.
- <code>EnableVgwRoutePropagation</code> indicates the route was propagated by route propagation.
- <code>vpc-id</code> - The ID of the VPC for the route table.
- <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter.
- <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

---

<code>NOTE:</code> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) | @link #withFilters(java.util.Collection) } if you want to override the existing values.
specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).</p>
</li>
<li>
<p><code>vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.</p>
</li>
<li>
<p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
</li>
<li>
<p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>
</li>
<li>
<p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p>
</li>
<li>
<p><code>vpc-id</code> - The ID of the VPC for the route table.</p>
</li>
</ul>

@return Returns a reference to this object so that method calls can be chained together.*"/

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p>
    <ul>
      <li>
        <p><code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p>
      </li>
      <li>
        <p><code>association.route-table-id</code> - The ID of the route table involved in the association.</p>
      </li>
      <li>
        <p><code>association.subnet-id</code> - The ID of the subnet involved in the association.</p>
      </li>
      <li>
        <p><code>association.main</code> - Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>).</p>
      </li>
      <li>
        <p><code>route-table-id</code> - The ID of the route table.</p>
      </li>
      <li>
        <p><code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.</p>
      </li>
      <li>
        <p><code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p>
      </li>
      <li>
        <p><code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.</p>
      </li>
      <li>
        <p><code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p>
      </li>
      <li>
        <p><code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.</p>
      </li>
      <li>
        <p><code>route.instance-id</code> - The ID of an instance specified in a route in the table.</p>
      </li>
      <li>
        <p><code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p>
      </li>
      <li>
        <p><code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p>
      </li>
      <li>
        <p><code>route.state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).</p>
      </li>
    </ul>

@returns Returns a reference to this object so that method calls can be chained together.*"/
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
],
"xmlnsNameSpaceUri" : null
],
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li> <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>).</p> </li> <li> <p> <code>route-table-id</code> - The ID of the route table.</p> </li> <li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.</p> </li> <li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p> </li> <li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.</p> </li> <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> </li> <li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.</p> </li> <li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the table.</p> </li> <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> </li> <li> <p> <code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p> </li> <li> <p> <code>route.state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li> </ul>"
example, for the tag Purpose=X, specify `<code>tag:Purpose` for the filter name and `<code>X</code>` for the filter value.</p> <li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `tag-value` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag` filter: `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> <li> `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag` filter: `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> <li> `<code>vpc-id</code>` - The ID of the VPC for the route table.</p> <li> `<code>association.route-table-association-id</code>` - The ID of an association ID for the route table.</p> <li> `<code>association.route-table-id</code>` - The ID of the route table involved in the association.</p> <li> `<code>association.subnet-id</code>` - The ID of the subnet involved in the association.</p> <li> `<code>association.main</code>` - Indicates whether the route table is the main route table for the VPC</p> <li> `<code>route-table-id</code>` - The ID of the route table.</p> <li> `<code>route.destination-cidr-block</code>` - The IPv4 CIDR range specified in a route in the table.</p> <li> `<code>route.destination-ipv6-cidr-block</code>` - The IPv6 CIDR range specified in a route in the route table.</p> <li> `<code>route.destination-prefix-list-id</code>` - The ID (prefix) of the AWS service specified in a route in the table.</p> <li> `<code>route.egress-only-internet-gateway-id</code>` - The ID of an egress-only Internet gateway specified in a route in the route table.</p> <li> `<code>route.gateway-id</code>` - The ID of a gateway specified in a route in the table.</p> <li> `<code>route.instance-id</code>` - The ID of an instance specified in a route in the table.</p> <li> `<code>route.nat-gateway-id</code>` - The ID of a NAT gateway.</p> <li> `<code>route.origin</code>` - Describes how the route was created.</p> <li> `<code>tag</code>:<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> <li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `tag-value` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag` filter: `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> <li> `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag` filter: `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p>
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
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"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Filter",
"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**\nOne or more filters.\n</ul>\n<li>\n<code>association.route-table-association-id</code> - The ID of an association ID for the route table.\n</li>\n<li>\n<code>association.route-table-id</code> - The ID of the route table involved in the association.\n</li>\n<li>\n<code>association.subnet-id</code> - The ID of the subnet involved in the association.\n</li>\n<li>\n<code>association.main</code> - Indicates whether the route table is the main route table for the VPC.\n</li>\n<li>\n<code>route-table-id</code> - The ID of the route table.\n</li>\n<li>\n<code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the route table.\n</li>\n<li>\n<code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.\n</li>\n<li>\n<code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the route table.\n</li>\n<li>\n<code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.\n</li>\n<li>\n<code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.\n</li>\n<li>\n<code>route.instance-id</code> - The ID of an instance specified in a route in the table.\n</li>\n<li>\n<code>route.nat-gateway-id</code> - The ID of a NAT gateway.\n</li>\n<li>\n<code>route.origin</code> - Describes how the route was created.\n</li>\n<li>\n<code>route.state</code> - The state of a route in the route table\n</li>\n//<code>active</code> | <code>blackhole</code>\n</ul>\nDescribes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.\n</li>\n<li>\n<code>route.vpc-peering-connection-id</code> - The ID of a VPC peering connection
specified in a route in the table.  

```xml
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  

```
"variableSetterType" : "java.util.Collection<Filter>"
},
"varSimple" : false,
"varSetterDocumentation" : "*/p*>One or more filters.</p> <ul> <li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li> <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC</p> </li> <li> <p> <code>route-table-id</code> - The ID of the route table.</p> </li> <li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.</p> </li> <li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p> </li> <li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.</p> </li> <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> </li> <li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.</p> </li> <li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the table.</p> </li> <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> </li> <li> <p> <code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XY\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li> </ul>
</li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li> </ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
id</code> - The ID of an instance specified in a route in the table.

- <code>route.nat-gateway-id</code> - The ID of a NAT gateway.
- <code>route.origin</code> - Describes how the route was created.
- <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created;
- <code>CreateRoute</code> indicates that the route was manually added to the route table;
- <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.

- <code>route.state</code> - The state of a route in the route table.
- <code>active</code> - Indicates whether the route table is the main route table for the VPC (true).
- <code>true</code> - The ID of the route table.
- <code>route-table-id</code> - The ID of the route table involved in the association.
- <code>association.subnet-id</code> - The ID of the subnet involved in the association.
- <code>association.main</code> - Indicates whether the route table is the main route table for the VPC.
- <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.
- <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the table.
- <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.
- <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.
- <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.
- <code>route.instance-id</code> - The ID of an instance specified in a route in the table.
- <code>route.nat-gateway-id</code> - The ID of a NAT gateway.
- <code>route.origin</code> - Describes how the route was created.
- <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created;
- <code>CreateRoute</code> indicates that the route was manually added to the route table;
- <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.

- <code>route.state</code> - The state of a route in the route table.
- <code>active</code> - Indicates whether the route table is the main route table for the VPC.
filter value. The key of a tag assigned to the resource. This filter is independent of the `tag-value` filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=XV`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag-key=Purpose` filter. The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter.

```
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
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"xmlNameSpaceUri": null
],
"RouteTableIds": {
  "c2jName": "RouteTableIds",
  "c2jShape": "ValueStringList",
  "deprecated": false,
  "documentation": "One or more route table IDs. Default: Describes all your route tables.

  fluentSetterDocumentation": "/
  fluentSetterMethodName": "withRouteTableIds",
  "getterDocumentation": "/
  getterMethodName": "getRouteTableIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "RouteTableId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "RouteTableId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "variableSetterType": "java.util.Collection<Filter>"
  }
},
"tags": {
  "c2jName": "Tags",
  "c2jShape": "ValueTagList",
  "destructor": false,
  "documentation": "Each resource can have up to 50 tags. Tag keys cannot be longer than 255 characters and must be unique within a resource. Tag values cannot be longer than 255 characters.

  fluentSetterDocumentation": "/
  fluentSetterMethodName": "withTags",
  "getterDocumentation": "/
  getterMethodName": "getTags",
  "getterModel": {
    "returnType": "java.util.List<com.amazonaws.services.ec2.model.Tag>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Tags",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Tags",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList<com.amazonaws.services.ec2.model.Tag>",
    "variableSetterType": "java.util.Collection<com.amazonaws.services.ec2.model.Tag>"
  }
},
"vpc-id": {
  "c2jName": "VPCId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the VPC for the route table.

  fluentSetterDocumentation": "/
  fluentSetterMethodName": "withVpcId",
  "getterDocumentation": "/
  getterMethodName": "getVpcId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VPCId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "VPCId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null
}
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null,
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/** One or more route table IDs.
@param routeTableIds One or more route table IDs.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more route table IDs.
@param routeTableIds One or more route table IDs.
@return Returns a reference to this object so that
method calls can be chained together.*/"
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeRoute TablesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeRoute TablesRequest",
"variableName" : "describeRouteTablesRequest",
"variableType" : "DescribeRouteTablesRequest",
"documentation" : null,
"simpleType" : "DescribeRouteTablesRequest",
"variableSetterType" : "DescribeRouteTablesRequest"
},
"wrapper" : false
},
"DescribeRouteTablesResult" : {
"c2jName" : "DescribeRouteTablesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeRouteTables.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "RouteTables",
"c2jShape" : "RouteTableList",
"deprecated" : false,
"documentation" : "<p>Information about one or more route tables.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more route tables.</p>\n@return Returns a reference to this object so that method calls can be
chained together.*",
   "fluentSetterMethodName" : "withRouteTables",
   "getterDocumentation" : "/**\n<p>Information about one or more route tables.\n\n@return Information about one or more route tables.*/",
   "getterMethodName" : "getRouteTables",
   "getterModel" : {
      "returnType" : "java.util.List<
   "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "RouteTableSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "routeTableSet",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : true,
   "ListModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
         "c2jName" : "member",
         "c2jShape" : "RouteTable",
         "deprecated" : false,
         "documentation" : "",
         "enumType" : null,
         "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
         "fluentSetterMethodName" : "withMember",
         "getterDocumentation" : "/**\n@return */",
         "getterMethodName" : "getMember",
         "getterModel" : {
            "returnType" : "RouteTable",
            "documentation" : null
         },
         "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
{"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
"marshallLocationName":"Item",
"queryString":false,
"statusCode":false,
"unmarshallLocationName":"item",
"uri":false
},
"idempotencyToken":false,
"list":false,
"listModel":null,
"map":false,
"mapModel":null,
"name":"Member",
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@param member */",
"setterMethodName":"setMember",
"setterModel":{
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  "variableName":"member",
  "variableType":"RouteTable",
  "documentation":"",
  "simpleType":"RouteTable",
  "variableSetterType":"RouteTable"
},
"simple":false,
"varargSetterDocumentation":"/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable":{
  "variableDeclarationType":"RouteTable",
  "variableName":"member",
  "variableType":"RouteTable",
  "documentation":"",
  "simpleType":"RouteTable",
  "variableSetterType":"RouteTable"
},
"xmlNameSpaceUri":null
},
"memberLocationName":"item",
"memberType":"RouteTable",
"map":false,
"marshallNonAutoConstructedEmptyLists":false,
"memberAdditionalMarshallingPath":null,
"memberAdditionalUnmarshallingPath":null,
"sendEmptyQueryString":false,
"simple":false,
"simpleType" : "RouteTable",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
"templateType" : "java.util.List<RouteTable>
},
"map" : false,
"mapModel" : null,
"name" : "RouteTables",
"setterDocumentation" : "/**<p>Information about one or more route tables.</p>
@param routeTables Information about one or more route tables.*/",
"setterMethodName" : "setRouteTables",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
  "variableName" : "routeTables",
  "variableType" : "java.util.List<RouteTable>",
  "documentation" : "",
  "simpleType" : "List<RouteTable>",
  "variableSetterType" : "java.util.Collection<RouteTable>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more route tables.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRouteTables(java.util.Collection)} or
{@link #withRouteTables(java.util.Collection)} if you want to override the existing values.</p>
@param routeTables Information about one or more route tables.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
  "variableName" : "routeTables",
  "variableType" : "java.util.List<RouteTable>",
  "documentation" : "<p>Information about one or more route tables.</p>",
  "simpleType" : "List<RouteTable>",
  "variableSetterType" : "java.util.Collection<RouteTable>"
},
"xmlnsNameSpaceUri" : null
}],
"membersAsMap" : {
"RouteTables" : {
"c2jName" : "RouteTables",
"c2jShape" : "RouteTableList",
"deprecated" : false,
"documentation" : "<p>Information about one or more route tables.</p>",
"simpleType" : "List<RouteTable>",
"variableSetterType" : "java.util.Collection<RouteTable>"
},
"xmlNameSpaceUri" : null
}].
"getterModel" : {
  "returnType" : "java.util.List<RouteTable>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteTableSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeTableSet",
  "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "RouteTable",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "RouteTable",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "RouteTable",
  "variableName": "member",
  "variableType": "RouteTable",
  "documentation": "",
  "simpleType": "RouteTable",
  "variableSetterType": "RouteTable"
},
"simple": false,
"varargSetterDocumentation": "/**\n@returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "RouteTable",
  "variableName": "member",
  "variableType": "RouteTable",
  "documentation": "",
  "simpleType": "RouteTable",
  "variableSetterType": "RouteTable"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "RouteTable",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "RouteTable",
"templateImplType": "com.amazonaws.internal.SdkInternalList<RouteTable>",
"templateType": "java.util.List<RouteTable>
}
"mapModel" : null,
"name" : "RouteTables",
"setterDocumentation" : "/**<p>Information about one or more route tables.</p>
@param routeTables Information about one or more route tables.*/",
"setterMethodName" : "setRouteTables",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
  "variableName" : "routeTables",
  "variableType" : "java.util.List<RouteTable>",
  "documentation" : "",
  "simpleType" : "List<RouteTable>",
  "variableSetterType" : "java.util.Collection<RouteTable>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more route tables.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \@link #setRouteTables(java.util.Collection) or \@link #withRouteTables(java.util.Collection) if you want to override the existing values.</p>
@param routeTables Information about one or more route tables.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
  "variableName" : "routeTables",
  "variableType" : "java.util.List<RouteTable>",
  "documentation" : "Information about one or more route tables."
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeRouteTablesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"wrapper" : false
}
"DescribeScheduledInstanceAvailabilityRequest" : {
    "c2jName" : "DescribeScheduledInstanceAvailabilityRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Contains the parameters for DescribeScheduledInstanceAvailability.",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeScheduledInstanceAvailability",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [ {
        "c2jName" : "Recurrence",
        "c2jShape" : "ScheduledInstanceRecurrenceRequest",
        "deprecated" : false,
        "documentation" : "The schedule recurrence.
        @return Returns a reference to this object so that method calls can be chained together.
        */",
        "fluentSetterDocumentation" : "The schedule recurrence.
        @return Returns a reference to this object so that method calls can be chained together.
        */",
        "getterDocumentation" : "The schedule recurrence.
        @return The schedule recurrence.
        */",
        "getterMethodName" : "getRecurrence",
        "getterModel" : {
            "returnType" : "ScheduledInstanceRecurrenceRequest",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
    }}
"marshallLocationName" : "Recurrence",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Recurrence",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Recurrence",
"setterDocumentation" : "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.*/",
"setterMethodName" : "setRecurrence",
"setterModel" : {
 "variableDeclarationType" : "ScheduledInstanceRecurrenceRequest",
 "variableName" : "recurrence",
 "variableType" : "ScheduledInstanceRecurrenceRequest",
 "documentation" : "",
 "simpleType" : "ScheduledInstanceRecurrenceRequest",
 "variableSetterType" : "ScheduledInstanceRecurrenceRequest"
 },
"simple" : false,
"varargSetterDocumentation" : "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "ScheduledInstanceRecurrenceRequest",
 "variableName" : "recurrence",
 "variableType" : "ScheduledInstanceRecurrenceRequest",
 "documentation" : "The schedule recurrence.",
 "simpleType" : "ScheduledInstanceRecurrenceRequest",
 "variableSetterType" : "ScheduledInstanceRecurrenceRequest"
 },
"xmlNameSpaceUri" : null
},
"c2jName" : "FirstSlotStartTimeRange",
"c2jShape" : "SlotDateTimeRangeRequest",
"documentation" : "The time period for the first schedule to start.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFirstSlotStartTimeRange",
"getterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.
@return The time period for the first schedule to start.*/",
"getterMethodName" : "getFirstSlotStartTimeRange"
"getterModel" : {
  "returnType" : "SlotDateTimeRangeRequest",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FirstSlotStartTimeRange",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FirstSlotStartTimeRange",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FirstSlotStartTimeRange",
"setterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.*/",
"setterMethodName" : "setFirstSlotStartTimeRange",
"setterModel" : {
  "variableDeclarationType" : "SlotDateTimeRangeRequest",
  "variableName" : "firstSlotStartTimeRange",
  "variableType" : "SlotDateTimeRangeRequest",
  "documentation" : "",
  "simpleType" : "SlotDateTimeRangeRequest",
  "variableSetterType" : "SlotDateTimeRangeRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SlotDateTimeRangeRequest",
  "variableName" : "firstSlotStartTimeRange",
  "variableType" : "SlotDateTimeRangeRequest",
  "documentation" : "<p>The time period for the first schedule to start.</p>",
  "simpleType" : "SlotDateTimeRangeRequest",
  "variableSetterType" : "SlotDateTimeRangeRequest"
}
}
"xmlNameSpaceUri" : null
}, {
"c2jName" : "MinSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /** <p>The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.\n@returns {null} Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withMinSlotDurationInHours",
"getterDocumentation" : /** <p>The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.\n@returns {null} The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p>*/
"getterMethodName" : "getMinSlotDurationInHours",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MinSlotDurationInHours",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinSlotDurationInHours",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinSlotDurationInHours",
"setterDocumentation" : /** <p>The minimum available duration, in hours. The minimum required duration is
1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours. 

```java
@param minSlotDurationInHours The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

setterMethodName" : "setMinSlotDurationInHours",
.setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "minSlotDurationInHours",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
    "simple" : true,
    "varargSetterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."
    
    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "minSlotDurationInHours",
        "variableType" : "Integer",
        "documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."
    },
    "xmlNameSpaceUri" : null
},
"c2jName" : "MaxSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720."

"enumType" : null,
"fluentSetterDocumentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

setterMethodName" : "setMaxSlotDurationInHours",
"getterDocumentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

getterMethodName" : "getMaxSlotDurationInHours",
"xmlNameSpaceUri" : null
},
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "minSlotDurationInHours",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
    "simple" : true,
    "varargSetterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."
    
    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "minSlotDurationInHours",
        "variableType" : "Integer",
        "documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."
    },
    "xmlNameSpaceUri" : null
},
"c2jName" : "MaxSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

setterMethodName" : "setMaxSlotDurationInHours",
"getterDocumentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

getterMethodName" : "getMaxSlotDurationInHours",
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

setterMethodName" : "setMaxSlotDurationInHours",
"getterDocumentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

getterMethodName" : "getMaxSlotDurationInHours",
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

setterMethodName" : "setMaxSlotDurationInHours",
"getterDocumentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

getterMethodName" : "getMaxSlotDurationInHours",
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

setterMethodName" : "setMaxSlotDurationInHours",
"getterDocumentation" : "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.

@<p>@return Returns a reference to this object so that method calls can be chained together.

getterMethodName" : "getMaxSlotDurationInHours",
"xmlNameSpaceUri" : null
}
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshalLocationName" : "MaxSlotDurationInHours",
    "queryString" : false,
    "statusCode" : false,
    "unmarshalLocationName" : "MaxSlotDurationInHours",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxSlotDurationInHours",
"setterDocumentation" : "/**
 * The maximum available duration, in hours. This value must be greater than
 * <code>MinSlotDurationInHours</code> and less than 1,720.
 * @param maxSlotDurationInHours The maximum available duration, in hours. This value
 * must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setMaxSlotDurationInHours",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxSlotDurationInHours",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The maximum available duration, in hours. This value must be greater than
 * <code>MinSlotDurationInHours</code> and less than 1,720.
 * @param maxSlotDurationInHours The maximum available duration, in hours. This value
 * must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxSlotDurationInHours",
    "variableType" : "Integer",
    "documentation" : "The maximum available duration, in hours. This value must be greater than"
<code>MinSlotDurationInHours</code> and less than 1,720.</p>,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@<param name="nextToken" The token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of results.</p>
@return The token for the next set of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>
@<param name="nextToken" The token for the next set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableSetterType" : "Integer"}
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token for the next set of results.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned value.

**<code>NextToken</code>**

"returnType" : "null",
"fluentSetterDocumentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned value.</p>

**<code>NextToken</code>**

:return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned value.

**<code>NextToken</code>**

:return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
=value.*/"}
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.
- The Availability Zone (for example, &lt;code&gt;us-west-2a&lt;/code&gt;).
- The instance type (for example, &lt;code&gt;c4.large&lt;/code&gt;).
- The network platform (for example, &lt;code&gt;EC2-Classic&lt;/code&gt; or &lt;code&gt;EC2-VPC&lt;/code&gt;).
- The platform (for example, &lt;code&gt;Linux/UNIX&lt;/code&gt; or &lt;code&gt;Windows&lt;/code&gt;).

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterDocumentation" : "/**
 * One or more filters.
 * - The Availability Zone (for example, &lt;code&gt;us-west-2a&lt;/code&gt;).
 * - The instance type (for example, &lt;code&gt;c4.large&lt;/code&gt;).
 * - The network platform (for example, &lt;code&gt;EC2-Classic&lt;/code&gt; or &lt;code&gt;EC2-VPC&lt;/code&gt;).
 * - The platform (for example, &lt;code&gt;Linux/UNIX&lt;/code&gt; or &lt;code&gt;Windows&lt;/code&gt;).

@returns A reference to this object so that method calls can be chained together.
*/

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**
 * One or more filters.
 * - The Availability Zone (for example, &lt;code&gt;us-west-2a&lt;/code&gt;).
 * - The instance type (for example, &lt;code&gt;c4.large&lt;/code&gt;).
 * - The network platform (for example, &lt;code&gt;EC2-Classic&lt;/code&gt; or &lt;code&gt;EC2-VPC&lt;/code&gt;).
 * - The platform (for example, &lt;code&gt;Linux/UNIX&lt;/code&gt; or &lt;code&gt;Windows&lt;/code&gt;).

@return One or more filters.

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List&lt;Filter&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Filter",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
* @param member 
* @return Returns a reference to this object so that
* method calls can be chained together.
*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
* @return *
*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "Filter",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
@param filters One or more filters.</ul>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFilters",}
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> - The Availability Zone (for example, <code>us-west-2a</code>). - The instance type (for example, <code>c4.large</code>). - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>). - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n\n@link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> - The Availability Zone (for example, <code>us-west-2a</code>). - The instance type (for example, <code>c4.large</code>). - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>). - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"namespaceUri" : null} 

"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "<p>One or more filters.</p> - The Availability Zone (for example, <code>us-west-2a</code>). - The instance type (for example, <code>c4.large</code>). - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>). - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "namespaceSpaceUri" : null
}
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>One or more filters.</p>

- The Availability Zone (for example, <code>us-west-2a</code>).<br/>
- The instance type (for example, <code>c4.large</code>).<br/>
- The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).<br/>
- The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>).<br/>

@\param filters One or more filters.<br/>
\returns Returns a reference to this object so that method calls can be chained together."*/",

"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**<p>One or more filters.</p>

- The Availability Zone (for example, <code>us-west-2a</code>).<br/>
- The instance type (for example, <code>c4.large</code>).<br/>
- The network platform (for example, <code>Linux/UNIX</code>).<br/>
- The platform (for example, <code>Windows</code>).<br/>

@return One or more filters."*/",

"getterMethodName" : "getFilters",

"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "returnType" : null
}
"interfaceType" : "java.util.List",
"listMemberModel" : { 
  "c2jName" : "member",
  "c2jShape" : "Filter",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * @param member \n   * @return Returns a reference to this object so that
   * method calls can be chained together.*\n   */",
  "fluentSetterMethodName" : "withMember",
  "geterDocumentation" : "/**\n   * @return \n   */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>).</p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>).</p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> 
</ul>
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</ul>

"setterMethodName" : "setFilters",
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"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
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"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> 
</ul>
</ul>
</ul>

"setterMethodName" : "setFilters",
"setterModel" : {
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"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> 
</ul>

"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"}
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p><p>@param filters One or more filters.</p><ul><li><p><code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</p></li><li><p><code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</p></li><li><p><code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p></li><li><p><code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p></li></ul><p>@return Returns a reference to this object so that method calls can be chained together.*"},
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FirstSlotStartTimeRange",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FirstSlotStartTimeRange",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FirstSlotStartTimeRange",
"setterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param
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"setterMethodName" : "setFirstSlotStartTimeRange",
"setterModel" : {
"variableDeclarationType" : "SlotDateTimeRangeRequest",
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"simpleType" : "SlotDateTimeRangeRequest",
"variableSetterType" : "SlotDateTimeRangeRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param
firstSlotStartTimeRange The time period for the first schedule to start.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "firstSlotStartTimeRange",
"variableType" : "SlotDateTimeRangeRequest",
"documentation" : "<p>The time period for the first schedule to start.</p>",
"simpleType" : "SlotDateTimeRangeRequest",
"variableSetterType" : "SlotDateTimeRangeRequest"
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"xmlNameSpaceUri" : null
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5

and 300. The default value is 300. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withMaxResults",

"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",

"getterMethodName" : "getMaxResults",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "MaxResults",

"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",

"setterMethodName" : "setMaxResults",

"setterModel" : {

"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Integer",
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 "variableType" : "Integer",
 "documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
","simpleType" : "Integer",
 "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"MaxSlotDurationInHours" : {
 "c2jName" : "MaxSlotDurationInHours",
 "c2jShape" : "Integer",
 "deprecated" : false,
 "documentation" : "<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>
","param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMaxSlotDurationInHours",
 "getterDocumentation" : "/**<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>

"returnType" : "Integer",
 "documentation" : null
},
 "http" : {
 "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxSlotDurationInHours",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxSlotDurationInHours",
"setterDocumentation" :/**<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>
@param maxSlotDurationInHours The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</param>*/
,"setterMethodName" : "setMaxSlotDurationInHours",
"setterModel" : {
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  "variableName" : "maxSlotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" :/**<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>
@param maxSlotDurationInHours The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.
@return Returns a reference to this object so that method calls can be chained together.</param>*/
,"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxSlotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
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  "c2jName" : "MinSlotDurationInHours",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."
  "enumType" : null,
  "fluentSetterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."
  "getterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."n@return Returns a reference to this object so that method calls can be chained together."
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  "getterModel" : {"returnType" : "Integer", "documentation" : null},
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MinSlotDurationInHours",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "MinSlotDurationInHours",
  "setterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."n@return Returns a reference to this object so that method calls can be chained together."
  "setterMethodName" : "withMinSlotDurationInHours",
  "setterModel" : null,
  "documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."
}
hours, and the minimum monthly schedule is 100 hours.

@param minSlotDurationInHours The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

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  "variableName" : "minSlotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "",
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  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p>
@param minSlotDurationInHours The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
  "documentation" : "<p>The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p>
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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},
"NextToken" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token for the next set of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token for the next set of results.</p>
@return The token for the next set of results.*/",
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  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
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"additionalUnmarshallingPath": null,  
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"greedy": false,  
"header": false,  
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"location": null,  
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"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "NextToken",  
"uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "NextToken",  
"setterDocumentation": "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.*/",  
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"setterModel": {  
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"variableName": "nextToken",  
"variableType": "String",  
"documentation": "",  
"simpleType": "String",  
"variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",  
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"variableName": "nextToken",  
"variableType": "String",  
"documentation": "<p>The token for the next set of results.</p>",  
"simpleType": "String",  
"variableSetterType": "String"  
},  
"xmlNameSpaceUri": null  
},  
"Recurrence": {  
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"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocationName": "NextToken",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "NextToken",  
"uri": false  
}}
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"c2jShape" : "ScheduledInstanceRecurrenceRequest",
"deprecated" : false,
"documentation" : "<p>The schedule recurrence.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The schedule recurrence.</p>
@<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterDocumentation" : "/**<p>The schedule recurrence.</p>
@<p>@return The schedule recurrence.</p>*/",
"getterMethodName" : "getRecurrence",
"getterModel" : {
"returnType" : "ScheduledInstanceRecurrenceRequest",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Recurrence",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Recurrence",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Recurrence",
"setterDocumentation" : "/**<p>The schedule recurrence.</p>
@<p>@return The schedule recurrence.</p>*/",
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"setterModel" : {
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"simpleType" : "ScheduledInstanceRecurrenceRequest",
"variableSetterType" : "ScheduledInstanceRecurrenceRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The schedule recurrence.</p>
@<p>@return The schedule recurrence.</p>*/

```
recurrence.in@return Returns a reference to this object so that method calls can be chained together.
*/

  
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      "variableName" : "recurrence",
      "variableType" : "ScheduledInstanceRecurrenceRequest",
      "documentation" : "<p>The schedule recurrence.</p>",
      "simpleType" : "ScheduledInstanceRecurrenceRequest",
      "variableSetterType" : "ScheduledInstanceRecurrenceRequest"
  },

  "xmlNameSpaceUri" : null
}


"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "Recurrence", "FirstSlotStartTimeRange" ],

"shapeName" : "DescribeScheduledInstanceAvailabilityRequest",

"unnmarshaller" : null,


"variable" : {
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      "variableName" : "describeScheduledInstanceAvailabilityRequest",
      "variableType" : "DescribeScheduledInstanceAvailabilityRequest",
      "documentation" : null,
      "simpleType" : "DescribeScheduledInstanceAvailabilityRequest",
      "variableSetterType" : "DescribeScheduledInstanceAvailabilityRequest"
  },

"wrapper" : false


"DescribeScheduledInstanceAvailabilityResult" : {
      "c2jName" : "DescribeScheduledInstanceAvailabilityResult",
      "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
    },

    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeScheduledInstanceAvailability.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,

    "marshaller" : null,
    "members" : [ {
      "c2jName" : "NextToken",
      "c2jShape" : "String",
      "deprecated" : false,
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"documentation" : "\p>The token required to retrieve the next set of results. This value is \cnull\ when there are no more results to return.\p",
"enumType" : null,
"fluentSetterDocumentation" : "\p>The token required to retrieve the next set of results. This value is \cnull\ when there are no more results to return.\p",
"getterDocumentation" : "\p>The token required to retrieve the next set of results. This value is \cnull\ when there are no more results to return.\p",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "\p>The token required to retrieve the next set of results. This value is \cnull\ when there are no more results to return.\p",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>\n@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "ScheduledInstanceAvailabilitySet",
"c2jShape" : "ScheduledInstanceAvailabilitySet",
"deprecated" : false,
"documentation" : "<p>Information about the available Scheduled Instances.</p>
@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>\n@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.\n@return Information about the available Scheduled Instances.*/",
"fluentSetterMethodName" : "withScheduledInstanceAvailabilitySet",
"getterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>\n@return Information about the available Scheduled Instances.*/",
"getterMethodName" : "getScheduledInstanceAvailabilitySet",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstanceAvailability>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ScheduledInstanceAvailabilitySet",
  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstanceAvailability",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return *
",n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstanceAvailability",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member *
",n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "ScheduledInstanceAvailability",
    "variableName" : "member",
    "variableType" : "ScheduledInstanceAvailability",
    "documentation" : ""
"simpleType" : "ScheduledInstanceAvailability",
"variableSetterType" : "ScheduledInstanceAvailability"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "ScheduledInstanceAvailability",
"documentation" : "",
"simpleType" : "ScheduledInstanceAvailability",
"variableSetterType" : "ScheduledInstanceAvailability"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ScheduledInstanceAvailability",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstanceAvailability",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
"templateType" : "java.util.List<ScheduledInstanceAvailability>"
},
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceAvailabilitySet",
"setterDocumentation" : "/**\n<p>Information about the available Scheduled Instances.</p>
@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.*/",
"setterMethodName" : "setScheduledInstanceAvailabilitySet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
"variableName" : "scheduledInstanceAvailabilitySet",
"variableType" : "java.util.List<ScheduledInstanceAvailability>",
"documentation" : "",
"simpleType" : "List<ScheduledInstanceAvailability>",
"variableSetterType" : "java.util.Collection<ScheduledInstanceAvailability>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the available Scheduled Instances.</p>
</b>NOTE:<b> This method appends the values to the existing list (if any). Use {@link #setScheduledInstanceAvailabilitySet(java.util.Collection)} or {@link #withScheduledInstanceAvailabilitySet(java.util.Collection)} if you want to override the existing values.</b>\n@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.*/"
Instances.<br /></p>

"variable" : {<br />
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
  "variableName" : "scheduledInstanceAvailabilitySet",
  "variableType" : "java.util.List<ScheduledInstanceAvailability>",
  "documentation" : "Information about the available Scheduled Instances.",
  "simpleType" : "List<ScheduledInstanceAvailability>",
  "variableSetterType" : "java.util.Collection<ScheduledInstanceAvailability>"
},
"xmlnsSpaceUri" : null
},
"membersAsMap" : {<br />
  "NextToken" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.",
    "enumerateType" : null,
    "fluentSetterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
  @return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
  @return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {<br />
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {<br />
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
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      "marshallLocationName" : "NextToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "nextToken",
      "uri" : false
    },
    "idempotencyToken" : false,
  },
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "$",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"ScheduledInstanceAvailabilitySet" : {
  "c2jName" : "ScheduledInstanceAvailabilitySet",
  "c2jShape" : "ScheduledInstanceAvailabilitySet",
  "deprecated" : false,
  "documentation" : "<p>Information about the available Scheduled Instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>
@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withScheduledInstanceAvailabilitySet",
  "getterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>
@return Information about the available Scheduled Instances.*/",
  "getterMethodName" : "getScheduledInstanceAvailabilitySet",
  "getterModel" : {
    "returnType" : "java.util.List<ScheduledInstanceAvailability>",
  },
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstanceAvailability",
  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "ScheduledInstanceAvailability",
  "variableSetterType" : "ScheduledInstanceAvailability"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstanceAvailability",
  "variableName" : "member",
  "variableType" : "ScheduledInstanceAvailability",
  "documentation" : "",
  "simpleType" : "ScheduledInstanceAvailability",
  "variableSetterType" : "ScheduledInstanceAvailability"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "ScheduledInstanceAvailability",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstanceAvailability",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
"templateType" : "java.util.List<ScheduledInstanceAvailability>",
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceAvailabilitySet"
"setterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>"/@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.*/",
"setterMethodName" : "setScheduledInstanceAvailabilitySet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
  "variableName" : "scheduledInstanceAvailabilitySet",
  "variableType" : "java.util.List<ScheduledInstanceAvailability>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstanceAvailability>",
  "variableSetterType" : "java.util.Collection<ScheduledInstanceAvailability>"
},
"simple" : false,
"varargSetterDocumentation" : "/*@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.*/ This method appends the values to the existing list (if any). Use {@link #setScheduledInstanceAvailabilitySet(java.util.Collection)} or {@link #withScheduledInstanceAvailabilitySet(java.util.Collection)} if you want to override the existing values.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
  "variableName" : "scheduledInstanceAvailabilitySet",
  "variableType" : "java.util.List<ScheduledInstanceAvailability>",
  "documentation" : "Information about the available Scheduled Instances.",
  "simpleType" : "List<ScheduledInstanceAvailability>",
  "variableSetterType" : "java.util.Collection<ScheduledInstanceAvailability>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeScheduledInstanceAvailabilityResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"wrapper" : {
  "variableDeclarationType" : "DescribeScheduledInstanceAvailabilityResult",
  "variableName" : "describeScheduledInstanceAvailabilityResult",
  "variableType" : "DescribeScheduledInstanceAvailabilityResult",
  "documentation" : "null",
  "simpleType" : "DescribeScheduledInstanceAvailabilityResult",
  "variableSetterType" : "DescribeScheduledInstanceAvailabilityResult"
},
"wrapper" : false
},
"DescribeScheduledInstancesRequest" : {

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"c2jName": "DescribeScheduledInstancesRequest",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeScheduledInstances.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeScheduledInstances",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "ScheduledInstanceIdSet",
    "c2jShape": "ScheduledInstanceIdRequestSet",
    "deprecated": false,
    "documentation": "<p>One or more Scheduled Instance IDs.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>One or more Scheduled Instance IDs.</p>
    *param scheduledInstanceId One or more Scheduled Instance IDs.*
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withScheduledInstanceId",
    "getterDocumentation": "/**<p>One or more Scheduled Instance IDs.</p>
    @return One or more Scheduled Instance IDs.*"",
    "getterMethodName": "getScheduledInstanceId",
    "getterModel": {
      "returnType": "java.util.List<String>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ScheduledInstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceIds",
"setterDocumentation" : "<p>One or more Scheduled Instance IDs.</p>
@param scheduledInstanceIds One or more Scheduled Instance IDs.</param>
"setterMethodName" : "setScheduledInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "scheduledInstanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Scheduled Instance IDs.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setScheduledInstanceIds(java.util.Collection)] or [@link #withScheduledInstanceIds(java.util.Collection)] if you want to override the existing values.</p>\n@param scheduledInstanceIds One or more Scheduled Instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "scheduledInstanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more Scheduled Instance IDs.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "SlotStartTimeRange",
"c2jShape" : "SlotStartTimeRangeRequest",
"deprecated" : false,
"documentation" : "<p>The time period for the first schedule to start.</p>
  "fluentSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
  @param slotStartTimeRange The time period for the first schedule to start.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSlotStartTimeRange",
  "getterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
  @return The time period for the first schedule to start.*/",
  "getterMethodName" : "getSlotStartTimeRange",
  "getterModel" : {
    "returnType" : "SlotStartTimeRangeRequest",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SlotStartTimeRange",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SlotStartTimeRange",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SlotStartTimeRange",
"setterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param slotStartTimeRange The time period for the first schedule to start.*/",
"setterMethodName" : "setSlotStartTimeRange",
"setterModel" : {
  "variableDeclarationType" : "SlotStartTimeRangeRequest",
  "variableName" : "slotStartTimeRange",
  "variableType" : "SlotStartTimeRangeRequest",
  "documentation" : "",
  "simpleType" : "SlotStartTimeRangeRequest",
  "variableSetterType" : "SlotStartTimeRangeRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param slotStartTimeRange The time period for the first schedule to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SlotStartTimeRangeRequest",
  "variableName" : "slotStartTimeRange",
  "variableType" : "SlotStartTimeRangeRequest",
  "documentation" : "<p>The time period for the first schedule to start.</p>",
  "simpleType" : "SlotStartTimeRangeRequest",
  "variableSetterType" : "SlotStartTimeRangeRequest"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param nextToken The token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**\n@return The token for the next set of results.\n*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {

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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.">",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.">",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.">",
"setterMethodName" : "setMaxResults"
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p><p>@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li>
    <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li>
  </ul> 
<p>@param filters One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li>
    <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li>
  </ul> 
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/"},
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li>
    <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li>
  </ul> 
<p>@param filters One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li>
    <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li>
  </ul> 
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/"
"fluentSetterMethodName" : "withFilters",
@return One or more filters.*/",
"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/\*\*\n@\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
@param filters One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</p> </li> <li> <p> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p> </li> <li> <p> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p> </li>
</ul>

@<p>NOTE: This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

@return Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
  </ul>

@<p>NOTE: This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p>
<ul>
<li><code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>)</li>
<li><code>instance-type</code> - The instance type (for example, <code>c4.large</code>)</li>
<li><code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>)</li>
<li><code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>)</li>
</ul>"},

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
],
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p>
<ul>
<li><code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>)</li>
<li><code>instance-type</code> - The instance type (for example, <code>c4.large</code>)</li>
<li><code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>)</li>
<li><code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>)</li>
</ul>"},

"enumType" : null,

"fluentSetterDocumentation" : "*/">One or more filters.
<ul>
<li><code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>)</li>
<li><code>instance-type</code> - The instance type (for example, <code>c4.large</code>)</li>
<li><code>network-platform</code> - The network platform (for example, <code>EC2-Classic</code> or <code>EC2-VPC</code>)</li>
<li><code>platform</code> - The platform (for example, <code>Linux/UNIX</code> or <code>Windows</code>)</li>
</ul>

"getterDocumentation" : "*/">Availability Zone (for example, <code>us-west-2a</code>)
<ul>
<li><code>instance-type</code> - The instance type (for example, <code>c4.large</code>)
</ul>

"fluentSetterMethodName" : "withFilters",
"getterMethodName" : "getFilters"
platform (<code>Linux/UNIX</code>) or (<code>Windows</code>).<p></p>}</li>*/

"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@<param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> The Availability Zone (for example, <code>us-west-2a</code>).</p> </li> <li> <p> <code>instance-type</code> The instance type (for example, <code>c4.large</code>).</p> </li> <li> <p> <code>network-platform</code> The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p> </li> <li> <p>
<code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p> </li>
</ul>\n@param filters One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability
Zone (for example, <code>us-west-2a</code>).</p> </li> <li> <p> <code>instance-type</code> - The instance
type (for example, <code>c4.large</code>).</p> </li> <li> <p> <code>network-platform</code> - The network
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availabilityzone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</p> </li> <li> <p>
<code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</p> </li> <li> <p>
<code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2VPC</code>).</p> </li> <li> <p> <code>platform</code> - The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).</p> </li> </ul>\n<p><b>NOTE:</b> This method appends the values to the existing list
(if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to
override the existing values.</p>\n@param filters One or more filters.</p> <ul> <li> <p> <code>availabilityzone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</p> </li> <li> <p>
<code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</p> </li> <li> <p>
<code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2VPC</code>).</p> </li> <li> <p> <code>platform</code> - The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).</p> </li>\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The
Availability Zone (for example, <code>us-west-2a</code>).</p> </li> <li> <p> <code>instance-type</code> - The
instance type (for example, <code>c4.large</code>).</p> </li> <li> <p> <code>network-platform</code> - The
network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p> </li> <li> <p>
<code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p> </li>
</ul>",

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"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
"
},
"xmlNameSpaceUri" : null
}
,"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n\n@return The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be
between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.<p>/param maxResults The maximum number of results to return in a single
call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another
call with the returned <code>NextToken</code> value.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value
can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.\n@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. This value can be between
5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.<p/>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token for the next set of results.<p/>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token for the next set of results.<p>/\n@param nextToken The token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token for the next set of results.<p>/\n@return The token for the next set of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null,
"ScheduledInstanceIds" : {
  "c2jName" : "ScheduledInstanceIds",
  "c2jShape" : "ScheduledInstanceIdRequestSet",
  "deprecated" : false,
  "documentation" : "<p>One or more Scheduled Instance IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more Scheduled Instance IDs.</p>
@param scheduledInstanceIds One or more Scheduled Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withScheduledInstanceIds",
  "getterDocumentation" : "/**<p>One or more Scheduled Instance IDs.</p>
@return One or more Scheduled Instance IDs.*/",
  "getterMethodName" : "getScheduledInstanceIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ScheduledInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ScheduledInstanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    },
  },
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ScheduledInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ScheduledInstanceId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/*",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/*",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
One or more Scheduled Instance IDs.

@optional

@method

@class

@type

@implements

@description

@usage

@includes

@returns
slotStartTimeRange The time period for the first schedule to start.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "SlotStartTimeRangeRequest",
    "variableName" : "slotStartTimeRange",
    "variableType" : "SlotStartTimeRangeRequest",
    "documentation" : "The time period for the first schedule to start.",
    "simpleType" : "SlotStartTimeRangeRequest",
    "variableSetterType" : "SlotStartTimeRangeRequest"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeScheduledInstancesRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeScheduledInstancesRequest",
    "variableName" : "describeScheduledInstancesRequest",
    "variableType" : "DescribeScheduledInstancesRequest",
    "documentation" : null,
    "simpleType" : "DescribeScheduledInstancesRequest",
    "variableSetterType" : "DescribeScheduledInstancesRequest"
},
"wrapper" : false
},
"DescribeScheduledInstancesResult" : {
    "c2jName" : "DescribeScheduledInstancesResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Contains the output of DescribeScheduledInstances.",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "xmlNameSpaceUri" : null
    } ]
}
"deprecated" : false,
"documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* The token required to retrieve the next set of results. This value is null when there are no more results to return.
*/
@param nextToken The token required to retrieve the next set of results. This value is null when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The token required to retrieve the next set of results. This value is null when there are no more results to return.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "ScheduledInstanceSet",
"c2jShape" : "ScheduledInstanceSet",
"deprecated" : false,
"documentation" : "Information about the Scheduled Instances.
@param scheduledInstanceSet Information about the Scheduled Instances.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluuentSetterDocumentation" : "/**
* Information about the Scheduled Instances.
*/
@param scheduledInstanceSet Information about the Scheduled Instances.
@return Information about the Scheduled Instances.

"getterDocumentation" : "/**
* Information about the Scheduled Instances.
*/
@return Information about the Scheduled Instances.

"getterMethodName" : "getScheduledInstanceSet",
"getterModel" : {
"returnType" : "java.util.List<ScheduledInstance>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ScheduledInstanceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "scheduledInstanceSet",
"uri" : false
null, "name" : "ScheduledInstanceSet",
"setterDocumentation" : "Information about the Scheduled Instances. */
@param scheduledInstanceSet Information about the Scheduled Instances. */
"setterMethodName" : "setScheduledInstanceSet",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"variableName" : "scheduledInstanceSet",
"variableType" : "java.util.List<ScheduledInstance>",
"documentation" : "",
"simpleType" : "List<ScheduledInstance>",
"variableSetterType" : "java.util.Collection<ScheduledInstance>"
}
,"simple" : false,
"varargSetterDocumentation" : "Information about the Scheduled Instances. */
@ Not this method appends the values to the existing list (if any). Use \[@link setScheduledInstanceSet(java.util.Collection)\] or \[@link withScheduledInstanceSet(java.util.Collection)\] if you want to override the existing values. /*\n@ param scheduledInstanceSet Information about the Scheduled
Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
    "variableName" : "scheduledInstanceSet",
    "variableType" : "java.util.List<ScheduledInstance>",
    "documentation" : "<p>Information about the Scheduled Instances.</p>",
    "simpleType" : "List<ScheduledInstance>",
    "variableSetterType" : "java.util.Collection<ScheduledInstance>"
  },
  "xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "*/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "*/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>\n@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NextToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "nextToken",
      "uri" : false
    },
    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ScheduledInstanceSet" : {
  "c2jName" : "ScheduledInstanceSet",
  "c2jShape" : "ScheduledInstanceSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the Scheduled Instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
@param scheduledInstanceSet Information about the Scheduled Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withScheduledInstanceSet",
  "getterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
@return Information about the Scheduled Instances.*/",
  "getterMethodName" : "getScheduledInstanceSet",
  "getterModel" : {
    "returnType" : "java.util.List<ScheduledInstance>",
    "variableDeclarationType" : "List<ScheduledInstance",
    "variableName" : "scheduledInstanceSet",
    "variableType" : "List<ScheduledInstance",
    "documentation" : "<p>Information about the Scheduled Instances.</p>",
    "simpleType" : "List<ScheduledInstance",
    "variableSetterType" : "List<ScheduledInstance>"}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ScheduledInstanceSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "scheduledInstanceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstance",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstance",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "uri" : false
  }
}
"setterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
@param scheduledInstanceSet Information about the Scheduled Instances.*/",
"setterMethodName" : "setScheduledInstanceSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"variableName" : "scheduledInstanceSet",
"variableType" : "java.util.List<ScheduledInstance>",
"documentation" : "",
"simpleType" : "List<ScheduledInstance>",
"variableSetterType" : "java.util.Collection<ScheduledInstance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setScheduledInstanceSet(java.util.Collection) or @link #withScheduledInstanceSet(java.util.Collection) if you want to override the existing values.</p><p>@param scheduledInstanceSet Information about the Scheduled Instances.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"variableName" : "scheduledInstanceSet",
"variableType" : "java.util.List<ScheduledInstance>",
"documentation" : "<p>Information about the Scheduled Instances.</p>
"simpleType" : "List<ScheduledInstance>",
"variableSetterType" : "java.util.Collection<ScheduledInstance>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeScheduledInstancesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeScheduledInstancesResult",
"variableName" : "describeScheduledInstancesResult",
"variableType" : "DescribeScheduledInstancesResult",
"documentation" : null,
"simpleType" : "DescribeScheduledInstancesResult",
"variableSetterType" : "DescribeScheduledInstancesResult"
},
"wrapper" : false
},
"DescribeSecurityGroupReferencesRequest" : {
"c2jName" : "DescribeSecurityGroupReferencesRequest",
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeSecurityGroupReferencesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeSecurityGroupReferencesResult",
"variableName" : "describeSecurityGroupReferencesResult",
"variableType" : "DescribeSecurityGroupReferencesResult",
"documentation" : null,
"simpleType" : "DescribeSecurityGroupReferencesResult",
"variableSetterType" : "DescribeSecurityGroupReferencesResult"
},
"wrapper" : false
}
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeSecurityGroupReferences",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "GroupId",
    "c2jShape" : "GroupIds",
    "deprecated" : false,
    "documentation" : "<p>One or more security group IDs in your account.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more security group IDs in your account.</p>
@param groupId
One or more security group IDs in your account.
@return Returns a reference to this object so that method calls
can be chained together.*/",
    "fluentSetterMethodName" : "withGroupId",
    "getterDocumentation" : "/**<p>One or more security group IDs in your account.</p>
@return One or more security group IDs in your account.*/",
    "getterMethodName" : "getGroupId",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  }
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"ListModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
  * @param member
  * @return Returns a reference to this object so that
  * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
  * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "ListModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n  * @param member */",
  "idempotencyToken" : false,
  "list" : false,
  "ListModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n  * @param member */"}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/*<p>One or more security group IDs in your account.</p>
@param groupId One or more security group IDs in your account.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupId",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group IDs in your account.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.</p>\n@\n@param groupId One or more security group IDs in your account.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupId",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group IDs in your account.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.</p>\n@\n@param groupId One or more security group IDs in your account.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "java.util.Collection<String>",
}
},
"xmlnsNameSpaceUri" : null
},
"membersAsMap" : {
  "GroupId" : {
    "c2jName" : "GroupId",
    "c2jShape" : "GroupIds",
    "deprecated" : false,
    "documentation" : "<p>One or more security group IDs in your account.</p>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.</p>\n@\n@param groupId One or more security group IDs in your account.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/*<p>One or more security group IDs in your account.\n@\n@param groupId One or more security group IDs in your account.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupId",
    "getterDocumentation" : "/*<p>One or more security group IDs in your account.\n@\n@return One or more security group IDs in your account.*/",
    "getterMethodName" : "getGroupId",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "GroupId",
      "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String"}
**GroupId**

This method appends the values to the existing list (if any). Use `@link #setGroupId(java.util.Collection)` or `@link #withGroupId(java.util.Collection)` if you want to override the existing values.

> One or more security group IDs in your account.
reference to this object so that method calls can be chained together.*", 
"variable" : { 
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>", 
"variableName" : "groupId", 
"variableType" : "java.util.List<String>", 
"documentation" : "<p>One or more security group IDs in your account.<p>", 
"simpleType" : "List<String>", 
"variableSetterType" : "java.util.Collection<String>" 
}, 
"xmlNameSpaceUri" : null 
} 
}, 
"requestSignerAware" : false, 
"requestSignerClassFqn" : null, 
"required" : [ "GroupId" ], 
"shapeName" : "DescribeSecurityGroupReferencesRequest", 
"unmarshaller" : null, 
"variable" : { 
"variableDeclarationType" : "DescribeSecurityGroupReferencesRequest", 
"variableName" : "describeSecurityGroupReferencesRequest", 
"variableType" : "DescribeSecurityGroupReferencesRequest", 
"documentation" : null, 
"simpleType" : "DescribeSecurityGroupReferencesRequest", 
"variableSetterType" : "DescribeSecurityGroupReferencesRequest" 
}, 
"wrapper" : false 
}, 
"DescribeSecurityGroupReferencesResult" : { 
"c2jName" : "DescribeSecurityGroupReferencesResult", 
"customization" : { 
"artificialResultWrapper" : null, 
"skipGeneratingMarshaller" : false, 
"skipGeneratingModelClass" : false, 
"skipGeneratingUnmarshaller" : false 
}, 
"deprecated" : false, 
"documentation" : "", 
"enums" : null, 
"errorCode" : null, 
"hasHeaderMember" : false, 
"hasPayloadMember" : false, 
"hasStatusCodeMember" : false, 
"hasStreamingMember" : false, 
"marshaller" : null, 
"members" : [ 
"c2jName" : "SecurityGroupReferenceSet", 
"c2jShape" : "SecurityGroupReferences", 
"deprecated" : false,
"documentation" : "<p>Information about the VPCs with the referencing security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Information about the VPCs with the referencing security groups.</p>
@returns {SecurityGroupReferenceSet} Information about the VPCs with the referencing security groups.

@returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withSecurityGroupReferenceSet",
"getterDocumentation" : "/** <p>Information about the VPCs with the referencing security groups.</p>
@returns Information about the VPCs with the referencing security groups. */",
"getterMethodName" : "getSecurityGroupReferenceSet",
"getterModel" : {
  "returnType" : "java.util.List<SecurityGroupReference>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupReferenceSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "securityGroupReferenceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SecurityGroupReference",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>@param member
@returns Returns a reference to this object so that method calls can be chained together.</p> */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**<p>@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "SecurityGroupReference",
      "documentation" : null
    }
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member
 */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SecurityGroupReference",
  "variableName" : "member",
  "variableType" : "SecurityGroupReference",
  "documentation" : "",
  "simpleType" : "SecurityGroupReference",
  "variableSetterType" : "SecurityGroupReference"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "SecurityGroupReference",
  "variableName" : "member",
  "variableType" : "SecurityGroupReference",
  "documentation" : "",
  "simpleType" : "SecurityGroupReference",
  "variableSetterType" : "SecurityGroupReference"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SecurityGroupReference",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SecurityGroupReference",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"templateType" : "java.util.List<SecurityGroupReference>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupReferenceSet",
"setterDocumentation" : "/**
<p>Information about the VPCs with the referencing security groups.</p>
@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.*/",
"setterMethodName" : "setSecurityGroupReferenceSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName" : "securityGroupReferenceSet",
"variableType" : "java.util.List<SecurityGroupReference>",
"documentation" : "",
"simpleType" : "List<SecurityGroupReference>",
"variableSetterType" : "java.util.Collection<SecurityGroupReference>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the VPCs with the referencing security groups.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link 
#setSecurityGroupReferenceSet(java.util.Collection) or @link 
#withSecurityGroupReferenceSet(java.util.Collection)] if you want to override the existing values.*/
@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName" : "securityGroupReferenceSet",
"variableType" : "java.util.List<SecurityGroupReference>",
"documentation" : "Information about the VPCs with the referencing security groups.*/",
"simpleType" : "List<SecurityGroupReference>",
"variableSetterType" : "java.util.Collection<SecurityGroupReference>"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
"SecurityGroupReferenceSet" : {
"c2jName" : "SecurityGroupReferenceSet",
"c2jShape" : "SecurityGroupReferences",
"deprecated" : false,
"documentation" : "Information about the VPCs with the referencing security groups.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>Information about the VPCs with the referencing security groups.</p>
@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.*/
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName" : "securityGroupReferenceSet",
"variableType" : "java.util.List<SecurityGroupReference>",
"documentation" : "Information about the VPCs with the referencing security groups.*/",
"simpleType" : "List<SecurityGroupReference>",
"variableSetterType" : "java.util.Collection<SecurityGroupReference>"
},
"xmlNameSpaceUri" : null
}];
@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withSecurityGroupReferenceSet",
"getterDocumentation" : "/** Information about the VPCs with the referencing security groups. */",
"getterMethodName" : "getSecurityGroupReferenceSet",
"getterModel" : {
"returnType" : "java.util.List<SecurityGroupReference>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupReferenceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "securityGroupReferenceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "SecurityGroupReference",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/** @param member @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/** @return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "SecurityGroupReference",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"simple" : false,
"complexType" : "SecurityGroupReference",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"templateType" : "java.util.List<SecurityGroupReference>",
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupReferenceSet",
"setterDocumentation" : "<p>Information about the VPCs with the referencing security groups.</p>
@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.
*/",
"setterMethodName" : "setSecurityGroupReferenceSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName" : "securityGroupReferenceSet",
"variableType" : "java.util.List<SecurityGroupReference>",
"documentation" : "",
"simpleType" : "List<SecurityGroupReference>",
"variableSetterType" : "java.util.Collection<SecurityGroupReference>",
"simple" : false,
"varargSetterDocumentation" : "<p>Information about the VPCs with the referencing security groups.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSecurityGroupReferenceSet(java.util.Collection)} or {@link #withSecurityGroupReferenceSet(java.util.Collection)} if you want to override the existing values.</p>
@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.
@return Returns a reference to this object so that method calls can be chained together.
"*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName" : "securityGroupReferenceSet",
"variableType" : "java.util.List<SecurityGroupReference>",
"documentation" : "<p>Information about the VPCs with the referencing security groups.</p>",
"simpleType" : "List<SecurityGroupReference>",
"variableSetterType" : "java.util.Collection<SecurityGroupReference>",
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeSecurityGroupReferencesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeSecurityGroupReferencesResult",
"simpleType" : "SecurityGroupReference",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"templateType" : "java.util.List<SecurityGroupReference>",
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupReferenceSet",
"setterDocumentation" : "<p>Information about the VPCs with the referencing security groups.

@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.

@return Returns a reference to this object so that method calls can be chained together.

*/",
"setterMethodName" : "setSecurityGroupReferenceSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName" : "securityGroupReferenceSet",
"variableType" : "java.util.List<SecurityGroupReference>",
"documentation" : "",
"simpleType" : "List<SecurityGroupReference>",
"variableSetterType" : "java.util.Collection<SecurityGroupReference>",
"simple" : false,
"varargSetterDocumentation" : "<p>Information about the VPCs with the referencing security groups.

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSecurityGroupReferenceSet(java.util.Collection)} or {@link #withSecurityGroupReferenceSet(java.util.Collection)} if you want to override the existing values.

@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.

@return Returns a reference to this object so that method calls can be chained together.

*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName" : "securityGroupReferenceSet",
"variableType" : "java.util.List<SecurityGroupReference>",
"documentation" : "",
"simpleType" : "List<SecurityGroupReference>",
"variableSetterType" : "java.util.Collection<SecurityGroupReference>",
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeSecurityGroupReferencesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeSecurityGroupReferencesResult",}
"variableName": "describeSecurityGroupReferencesResult",
"variableType": "DescribeSecurityGroupReferencesResult",
"documentation": null,
"simpleType": "DescribeSecurityGroupReferencesResult",
"variableSetterType": "DescribeSecurityGroupReferencesResult"
],
"wrapper": false
],
"DescribeSecurityGroupsRequest": {
"c2jName": "DescribeSecurityGroupsRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeSecurityGroups.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
"action": "DescribeSecurityGroups",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [
{"c2jName": "GroupNames",
"c2jShape": "GroupNameStringList",
"deprecated": false,
"documentation": "<p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.</p> <p>Default: Describes all your security groups.</p>

\@return Returns a reference to this object so that method calls can be chained together."/\*/
"enumType": null,
"fluentlySetterDocumentation": "/\*/<p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.</p> <p>Default: Describes all your security groups.</p>
\@return Returns a reference to this object so that method calls can be chained together."/\*/
"
"fluentSetterMethodName" : "withGroupNames",
"getterDocumentation" : "/**\n * [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>groupName</code> filter to describe security groups by name.\n<p>
 * Default: Describes all your security groups.\n */",
"getterMethodName" : "getGroupNames",
"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "GroupName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "GroupName",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * @param member\n * @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n * @return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "GroupName",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*@param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "GroupName",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/** <p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.</p> <p>Default: Describes all your security groups.</p> <p><b>Note:</b> This method appends the values to the existing list (if any). Use {@link #setGroupNames(java.util.Collection)} or {@link #withGroupNames(java.util.Collection)} if you want to override the existing values.</p> <p><b>Return</b> Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groupNames",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
    
",
    "map" : false,
    "mapModel" : null,
    "name" : "GroupNames",
    "setterDocumentation" : "/** <p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.</p> <p>Default: Describes all your security groups.</p> <p><b>Note:</b> This method appends the values to the existing list (if any). Use {@link #setGroupNames(java.util.Collection)} or {@link #withGroupNames(java.util.Collection)} if you want to override the existing values.</p> <p><b>Return</b> Returns a reference to this object so that method calls can be chained together.</p>*/",
    "setterMethodName" : "setGroupNames",
    "setterModel" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "groupNames",
        "variableType" : "java.util.List<String>",
        "documentation" : "",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>
    }
}
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupIds",
"c2jShape" : "GroupIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<p>Default: Describes all your security groups.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<p>Default: Describes all your security groups.</p>
@param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<p>Default: Describes all your security groups.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupIds",
"getterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<p>Default: Describes all your security groups.</p>
@return One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<p>Default: Describes all your security groups.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getGroupIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "$GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "$GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*";
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "/**
   @return */",
   "getterMethodName" : "getMember",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupId",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "Member",
   "setterDocumentation" : "/**
   @param member */",
   "setterMethodName" : "setMember",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**
   @param member \n@return Returns a reference to this object so that
method calls can be chained together.*";
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String"}
variableSetterType": "String",
"null",
"memberLocationName": "groupId",
"memberType": "String",
"marshallNonAutoConstructedEmptyLists": false,
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
",
"map": false,
"mapModel": null,
"name": "GroupIds",
"setterDocumentation": "One or more security group IDs. Required for security groups in a nondefault VPC.

Default: Describes all your security groups.

@param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.

Default: Describes all your security groups.

@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName": "setGroupIds",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
 "variableName": "groupIds",
 "variableType": "java.util.List<String>",
 "documentation": "",
 "simpleType": "List<String>",
 "variableSetterType": "java.util.Collection<String>
",
"simple": false,
"varargSetterDocumentation": "One or more security group IDs. Required for security groups in a nondefault VPC.

Default: Describes all your security groups.

This method appends the values to the existing list (if any). Use {@link setGroupIds(java.util.Collection)} or {@link withGroupIds(java.util.Collection)} if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together.
",
"variable": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
 "variableName": "groupIds",
 "variableType": "java.util.List<String>",
 "documentation": "",
 "variableSetterType": "java.util.Collection<String>
",
"xmlNameSpaceUri": null
}
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.

- The description of the security group.
- The ID (prefix) of the AWS service to which the security group allows access.
- The ID of the security group.
- The name of the security group.
- An IPv4 CIDR range that has been granted permission in a security group rule.
- The start of port range for the TCP and UDP protocols, or an ICMP type number.
- The ID of a security group that has been granted permission.
- The name of a security group that has been granted permission.
- The AWS account ID of the owner of the security group.
- The ID of the VPC specified when the security group was created.

@param filters One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.

- The description of the security group.
- The ID (prefix) of the AWS service to which the security group allows access.
- The ID of the security group.
- The name of the security group.
- An IPv4 CIDR range that has been granted permission in a security group rule.
- The IP protocol for the permission.
- The end of port range for the TCP and UDP protocols, or an ICMP code.
- The ID of an AWS account that has been granted permission.
- The AWS account ID of the owner of the security group.
- The ID of the VPC specified when the security group was created.

*/"
access.</p> 
<li> <p> <code>group-id</code> - The ID of the security group.</p> </li> 
<li> <p> <code>group-name</code> - The name of the security group.</p> </li> 
<li> <p> <code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</p> </li> 
<li> <p> <code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</p> </li> 
<li> <p> <code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</p> </li> 
<li> <p> <code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</p> </li> 
<li> <p> <code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</p> </li> 
<li> <p> <code>ip-permission.protocol</code> - The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> 
<li> <p> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</p> </li> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the security group.</p> </li> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the security group.</p> </li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</p> </li> 

```java
public List<String> getAllFilters() {
    return filters;
}
```

The method `getAllFilters` returns a list of all filters that have been set for the security group. If multiple filters are set for rules, the method returns a list of all filters that match the rules.

```java
public void setFilters(List<String> filters) {
    this.filters = filters;
}
```

The method `setFilters` sets the list of filters for the security group. If multiple filters are set for rules, the method sets the list of filters that match the rules.
- The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).
- The end of port range for the TCP and UDP protocols, or an ICMP code.
- The ID of an AWS account that has been granted permission.
- The AWS account ID of the owner of the security group.
- The key of a tag assigned to the security group.
- The value of a tag assigned to the security group.
- The ID of the VPC specified when the security group was created.

```java
getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
```
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p> <ul>
<li><p> <code>description</code> - The description of the security group.</p> </li>
<li><p> <code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</p> </li>
<li><p> <code>group-id</code> - The ID of the security group.</p> </li>
<li><p> <code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</p> </li>
<li><p> <code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</p> </li>
<li><p> <code>ip-permission.protocol</code> - The IP protocol for the permission (TCP | UDP | ICMP or a protocol number).</p> </li>
<li><p> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</p> </li>
<li><p> <code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</p> </li>
<li><p> <code>owner-id</code> - The AWS account ID of the owner of the security group.</p> </li>
<li><p> <code>tag-key</code> - The key of a tag assigned to the security group.</p> </li>
<li><p> <code>tag-value</code> - The value of a tag assigned to the security group.</p> </li>
<li><p> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</p> </li>
</ul>
@param filters One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.

"description" : "/**<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p> <ul>
<li><p> <code>description</code> - The description of the security group.</p> </li>
<li><p> <code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</p> </li>
<li><p> <code>group-id</code> - The ID of the security group.</p> </li>
<li><p> <code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</p> </li>
<li><p> <code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</p> </li>
<li><p> <code>ip-permission.protocol</code> - The IP protocol for the permission (TCP | UDP | ICMP or a protocol number).</p> </li>
<li><p> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</p> </li>
<li><p> <code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</p> </li>
<li><p> <code>owner-id</code> - The AWS account ID of the owner of the security group.</p> </li>
<li><p> <code>tag-key</code> - The key of a tag assigned to the security group.</p> </li>
<li><p> <code>tag-value</code> - The value of a tag assigned to the security group.</p> </li>
<li><p> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</p> </li>
*/"
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>",
},
"simple": false,
"varargSetterDocumentation": "/**
 * One or more filters. If using multiple filters for rules, the results include security
groups for which any combination of rules - not necessarily a single rule - match all filters.
*/

"description": "The description of the security group."
"egress.ip-permission.prefix-list-id": "The ID (prefix) of the AWS service to which the security group allows
access."
"group-id": "The ID of the security group."
"group-name": "The name of the security group."
"ip-permission.cidr": "An IPv4 CIDR range that has been granted permission in a security group rule."
"ip-permission.from-port": "The start of port range for the TCP and UDP protocols, or an ICMP type
number."
"ip-permission.protocol": "The IP protocol for the permission (tcp | udp | icmp or a protocol
number)."
"ip-permission.to-port": "The end of port range for the TCP and UDP
protocols, or an ICMP code."
"ip-permission.user-id": "The ID of an AWS account that has been granted permission."
"owner-id": "The AWS account ID of the owner of the security group."
"tag-key": "The key of a tag assigned to the security
group."
"vpc-id": "The ID of the VPC specified when the security group was created."
"NOTE:" "This method appends the values to the existing list (if any). Use {@link 
#setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing
values."
that has been granted permission in a security group rule.</p> <li> <code>ip-permission.protocol</code> - The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li> <li> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</li> <li> <code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</li> <li> <code>owner-id</code> - The AWS account ID of the owner of the security group.</li> <li> <code>tag-key</code> - The key of a tag assigned to the security group.</li> <li> <code>tag-value</code> - The value of a tag assigned to the security group.</li> <li> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</li>
</ul>

"enumType" : null,

"fluentSetterDocumentation" : "One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters."
One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.

```
@<li>@return Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getFilters",
"getterDocumentation" : "*/

@return One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.

```

```
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**\nOne or more filters. If using multiple filters for rules, the results include
security groups for which any combination of rules - not necessarily a single rule - match all filters. <p>
<ul>
<li> <code>description</code> - The description of the security group. </li>
<li> <code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows
access. </li>
<li> <code>group-id</code> - The ID of the security group. </li>
</ul>
*\n*/"
- The name of the security group.
|<li>|<p>|<code>ip-permission.cidr</code>| An IPv4 CIDR range that has been granted permission in a security group rule.
|<li>|<li>|<p>|<code>ip-permission.from-port</code>| The start of port range for the TCP and UDP protocols, or an ICMP type number.
|<li>|<p>|<code>ip-permission.group-id</code>| The ID of a security group that has been granted permission.
|<li>|<p>|<code>ip-permission.group-name</code>| The name of a security group that has been granted permission.
|<li>|<p>|<code>ip-permission.ipv6-cidr</code>| An IPv6 CIDR range that has been granted permission in a security group rule.
|<li>|<p>|<code>ip-permission.protocol</code>| The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).
|<li>|<p>|<code>ip-permission.to-port</code>| The end of port range for the TCP and UDP protocols, or an ICMP code.
|<li>|<p>|<code>ip-permission.user-id</code>| The ID of an AWS account that has been granted permission.
|<li>|<p>|<code>owner-id</code>| The AWS account ID of the owner of the security group.
|<li>|<p>|<code>tag-key</code>| The key of a tag assigned to the security group.
|<li>|<p>|<code>tag-value</code>| The value of a tag assigned to the security group.
|<li>|<p>|<code>vpc-id</code>| The ID of the VPC specified when the security group was created.
|<ul>\n|<li>|<p>|<code>description</code>| The description of the security group.
|<li>|<p>|<code>egress.ip-permission.prefix-list-id</code>| The ID (prefix) of the AWS service to which the security group allows access.
|<li>|<p>|<code>group-id</code>| The ID of the security group.
|<li>|<p>|<code>group-name</code>| The name of the security group.
|<li>|<p>|<code>ip-permission.cidr</code>| An IPv4 CIDR range that has been granted permission in a security group rule.
|<li>|<p>|<code>ip-permission.from-port</code>| The start of port range for the TCP and UDP protocols, or an ICMP type number.
|<li>|<p>|<code>ip-permission.group-id</code>| The ID of a security group that has been granted permission.
|<li>|<p>|<code>ip-permission.group-name</code>| The name of a security group that has been granted permission.
|<li>|<p>|<code>ip-permission.ipv6-cidr</code>| An IPv6 CIDR range that has been granted permission in a security group rule.
|<li>|<p>|<code>ip-permission.protocol</code>| The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).
|<li>|<p>|<code>ip-permission.to-port</code>| The end of port range for the TCP and UDP protocols, or an ICMP code.
|<li>|<p>|<code>ip-permission.user-id</code>| The ID of an AWS account that has been granted permission.
|<li>|<p>|<code>owner-id</code>| The AWS account ID of the owner of the security group.
|<li>|<p>|<code>tag-key</code>| The key of a tag assigned to the security group.
|<li>|<p>|<code>tag-value</code>| The value of a tag assigned to the security group.
|<li>|<p>|<code>vpc-id</code>| The ID of the VPC specified when the security group was created.
|</ul>
<code>group-name</code> - The name of the security group.</p> </li> <li> <p> <code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</p> </li> <li> <p> <code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</p> </li> <li> <p> <code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</p> </li> <li> <p> <code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</p> </li> <li> <p> <code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</p> </li> <li> <p> <code>ip-permission.protocol</code> - The IP protocol for the permission (TCP | UDP | ICMP or a protocol number).</p> </li> <li> <p> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP protocol code.</p> </li> <li> <p> <code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the owner of the security group.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the security group.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the security group.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</p> </li> <p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>

@returns <p>Returns a reference to this object so that method calls can be chained together.</p>
number.</li> <li><p><code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</p> </li> <li><p><code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</p> </li> <li><p><code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</p> </li> <li><p><code>ip-permission.protocol</code> - The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> <li><p><code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</p> </li> <li><p><code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</p> </li> <li><p><code>ip-permission.owner-id</code> - The AWS account ID of the owner of the security group.</p> </li> <li><p><code>ip-permission.tag-key</code> - The key of a tag assigned to the security group.</p> </li> <li><p><code>ip-permission.tag-value</code> - The value of a tag assigned to the security group.</p> </li> <li><p><code>vpc-id</code> - The ID of the VPC specified when the security group was created.</p> </li>
</ul>

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlnsNameSpaceUri" : null
},
"GroupId": {
"c2jName" : "GroupId",
"c2jShape" : "GroupIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
"defaultValue" : "Default: Describes all your security groups."",
"enumType" : null,
"fluentSetterDocumentation" : "*/ ***<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
"defaultValue" : "Default: Describes all your security groups."",
"getterDocumentation" : "*/ ***<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
"defaultValue" : "Default: Describes all your security groups."",
"getterMethodName" : "getGroupIds",
"getterModel" : {
"returnType" : "java.util.List<String>"",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
}
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
}
"simple": true,
"varargSetterDocumentation": "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "groupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "GroupIds",
"setterDocumentation": "/*\nOne or more security group IDs. Required for security groups in a nondefault VPC.\n\nDefault: Describes all your security groups.*/\n\n@param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.\n\nDefault: Describes all your security groups.*/",
"setterMethodName": "setGroupIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "groupIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
      @param member 
      @return Returns a reference to this object so that
      method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
      @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupName",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "GroupName",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "GroupName",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "GroupNames",
"setterDocumentation": "/**<p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.<p></p>\n**</p>
\nDefault: Describes all your security groups.
\n@param groupNames [EC2-Classic and default VPC only] One or more security group
names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>groupName</code> filter to describe security groups by name. </p>

Default: Describes all your security groups.*/

```java
setterMethodName" : "setGroupNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "*/

[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>groupName</code> filter to describe security groups by name. </p>

Default: Describes all your security groups.

NOTE: This method appends the values to the existing list (if any). Use
 {@link #setGroupNames(java.util.Collection)} or {@link #withGroupNames(java.util.Collection)} if you want to override the existing values.

@returns groupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>groupName</code> filter to describe security groups by name. </p>

Default: Describes all your security groups.

Returns a reference to this object so that method calls can be chained together.*/

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```
"variableSetterType" : "DescribeSecurityGroupsRequest",
],
"wrapper" : false
],
"DescribeSecurityGroupsResult" : {
"c2jName" : "DescribeSecurityGroupsResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSecurityGroups.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "SecurityGroups",
  "c2jShape" : "SecurityGroupList",
  "deprecated" : false,
  "documentation" : "<p>Information about one or more security groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about one or more security groups.</p>
@param securityGroups Information about one or more security groups.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSecurityGroups",
  "getterDocumentation" : "/**<p>Information about one or more security groups.</p>\n@return Information about one or more security groups.*/",
  "getterMethodName" : "getSecurityGroups",
  "getterModel" : {
    "returnType" : "java.util.List<SecurityGroup>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupInfo",
    "originalLocation" : null,
    "protocol" : null
  },
  "shapeName" : "SecurityGroups",
  "shapeType" : "list",
  "status" : null
},
"marshalledMemberSet" : ["SecurityGroups"],
"shapeType" : "/v0/c2j/Shape/SecurityGroupList",
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"shapeTag" : null,
"target" : null,
"targetArn" : null,
"targetResourceArn" : null,
"targetType" : null,
"version" : "1.0.0.0"
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "securityGroupInfo",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "SecurityGroup",
"deprecated" : false,
"documentation" : "",
"fluentSetterMethodName" : "withMember",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "SecurityGroup",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",}
"setterModel" : {
  "variableDeclarationType" : "SecurityGroup",
  "variableName" : "member",
  "variableType" : "SecurityGroup",
  "documentation" : "",
  "simpleType" : "SecurityGroup",
  "variableSetterType" : "SecurityGroup"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "SecurityGroup",
  "variableName" : "member",
  "variableType" : "SecurityGroup",
  "documentation" : "",
  "simpleType" : "SecurityGroup",
  "variableSetterType" : "SecurityGroup"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SecurityGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SecurityGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
"templateType" : "java.util.List<SecurityGroup>",
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**
<p>Information about one or more security groups.</p>
@param securityGroups
Information about one or more security groups.</p>

"setterMethodName" : "setSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<SecurityGroup>",
  "documentation" : "",
  "simpleType" : "List<SecurityGroup>",
  "variableSetterType" : "java.util.Collection<SecurityGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more security
groups.</p><br/>**<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setSecurityGroups(java.util.Collection)} or {@link #withSecurityGroups(java.util.Collection)} if you want to
override the existing values.</b><br/>**

@param securityGroups Information about one or more security
groups.
@return Returns a reference to this object so that method calls can be chained together.*/*",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<SecurityGroup>",
  "documentation" : "Information about one or more security groups.*/",
  "simpleType" : "List<SecurityGroup>",
  "variableSetterType" : "java.util.Collection<SecurityGroup>"
},
"xmlnsSpaceUri" : null
}

"membersAsMap" : {
  "SecurityGroups" : {
    "c2jName" : "SecurityGroups",
    "c2jShape" : "SecurityGroupList",
    "deprecated" : false,
    "documentation" : "Information about one or more security groups.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more security groups.</p><br/>
@param securityGroups Information about one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>Information about one or more security groups.</p><br/>
@return Information about one or more security groups.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
  "returnType" : "java.util.List<SecurityGroup>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupInfo",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "securityGroupInfo",
  "uri" : false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "SecurityGroup",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@returns Returns a reference to this object so that
method calls can be chained together.*\n*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@returns */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "SecurityGroup",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
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      "isStreaming": false,
      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@returns */",
    "setterMethodName": "setMember",
    "setterModel": {
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      "variableName": "member",
      "variableType": "SecurityGroup",
      "documentation": ""
    }
  }
}
"simpleType" : "SecurityGroup",
"variableSetterType" : "SecurityGroup"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "SecurityGroup",
  "documentation" : "",
  "simpleType" : "SecurityGroup",
  "variableSetterType" : "SecurityGroup"
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"xmlnsSpaceUri" : null
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"memberType" : "SecurityGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SecurityGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
"templateType" : "java.util.List<SecurityGroup>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**<p>Information about one or more security groups.</p>
@param securityGroups Information about one or more security groups.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
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  "variableName" : "securityGroups",
  "variableType" : "java.util.List<SecurityGroup>",
  "documentation" : "",
  "simpleType" : "List<SecurityGroup>",
  "variableSetterType" : "java.util.Collection<SecurityGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more security groups.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setSecurityGroups(java.util.Collection) ] or [ @link #withSecurityGroups(java.util.Collection) ] if you want to override the existing values. <p>
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<SecurityGroup>",
"documentation" : "<p>Information about one or more security groups.</p>",
"simpleType" : "List<SecurityGroup>",
"variableSetterType" : "java.util.Collection<SecurityGroup>
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeSecurityGroupsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
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"variableName" : "describeSecurityGroupsResult",
"variableType" : "DescribeSecurityGroupsResult",
"documentation" : null,
"simpleType" : "DescribeSecurityGroupsResult",
"variableSetterType" : "DescribeSecurityGroupsResult"
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"wrapper" : false
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"DescribeSnapshotAttributeRequest" : {
"c2jName" : "DescribeSnapshotAttributeRequest",
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"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeSnapshotAttribute.</p>",
"enums" : null,
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
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"hasStreamingMember" : false,
"marshaller" : {
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"verb" : "POST",
"xmlNameSpaceUri" : null
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"members" : [ {
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  "documentation" : "<p>The ID of the EBS snapshot.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>The ID of the EBS snapshot.</p>
  @param snapshotId The ID of the EBS snapshot.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSnapshotId",
  "getterDocumentation" : /**<p>The ID of the EBS snapshot.</p>
  @return The ID of the EBS snapshot.*/",
  "getterMethodName" : "getSnapshotId",
  "getterModel" : {
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "SnapshotId",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SnapshotId",
  "setterDocumentation" : /**<p>The ID of the EBS snapshot.</p>
  @param snapshotId The ID of the EBS snapshot.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setSnapshotId",
  "setterModel" : {
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    "variableName" : "snapshotId",
    "variableType" : "String",
  }
};
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "String",
"documentation": "<p>The ID of the EBS snapshot.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"c2jName": "Attribute",
"c2jShape": "SnapshotAttributeName",
"deprecated": false,
"documentation": "<p>The snapshot attribute you would like to view.</p>",
"enumType": "SnapshotAttributeName",
"fluentSetterDocumentation": "/**<p>The snapshot attribute you would like to view.</p>
@param attribute The snapshot attribute you would like to view.
@return Returns a reference to this object so that method calls can be chained together.\n@see SnapshotAttributeName*/",
"fluentSetterMethodName": "withAttribute",
"getterDocumentation": "/**<p>The snapshot attribute you would like to view.</p>
@return The snapshot attribute you would like to view.\n@see SnapshotAttributeName*/",
"getterMethodName": "getAttribute",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"statusCode": false,
"unmarshallLocationName": "Attribute",
"uri": false
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"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The snapshot attribute you would like to view.</p>
@param attribute The snapshot attribute you would like to view.\n@see SnapshotAttributeName*/", 
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot attribute you would like to view.\n@param attribute The snapshot attribute you would like to view.\n@return Returns a reference to this object so that method calls can be chained together.\n@see SnapshotAttributeName*/", 
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The snapshot attribute you would like to view.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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},
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    "c2jShape" : "SnapshotAttributeName",
    "deprecated" : false,
    "documentation" : "<p>The snapshot attribute you would like to view.</p>",
    "enumType" : "SnapshotAttributeName",
    "fluentSetterDocumentation" : "/**<p>The snapshot attribute you would like to view.\n@return Returns a reference to this object so that method calls can be chained together.\n@see SnapshotAttributeName*/", 
    "fluentSetterMethodName" : "withAttribute",
    "getterDocumentation" : "/**<p>The snapshot attribute you would like to view.\n@return The snapshot attribute you would like to view.\n@see SnapshotAttributeName*/", 
    "getterMethodName" : "getAttribute",
    "getterModel" : {
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      "documentation" : null
    }
  }
}
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
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"list": false,
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"map": false,
"mapModel": null,
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@param attribute The snapshot attribute you would like to view.
@see SnapshotAttributeName*/",
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  "variableName": "attribute",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The snapshot attribute you would like to view.</p>
@param attribute The snapshot attribute you would like to view.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotAttributeName*/",
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  "variableType": "String",
  "documentation": "<p>The snapshot attribute you would like to view.</p>
",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"SnapshotId": {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : ":<p>The ID of the EBS snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.<p>
@NotNull\n@check ArgumentSnapshotId The ID of the EBS snapshot\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@return The ID of the EBS snapshot.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the EBS snapshot.<p>
@NotNull\n@check ArgumentSnapshotId The ID of the EBS snapshot\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the EBS snapshot.<p>
@NotNull\n@check ArgumentSnapshotId The ID of the
EBS snapshot.

Returns a reference to this object so that method calls can be chained together.

@variable
{
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "The ID of the EBS snapshot.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SnapshotId", "Attribute" ],
"shapeName" : "DescribeSnapshotAttributeRequest",
"unmarshaller" : null,
"variable" : {
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  "variableName" : "describeSnapshotAttributeRequest",
  "variableType" : "DescribeSnapshotAttributeRequest",
  "documentation" : null,
  "simpleType" : "DescribeSnapshotAttributeRequest",
  "variableSetterType" : "DescribeSnapshotAttributeRequest"
},
"wrapper" : false
}

"DescribeSnapshotAttributeResult" : {
  "c2jName" : "DescribeSnapshotAttributeResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the output of DescribeSnapshotAttribute.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
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"variableType": "String",
"documentation": "<p>The ID of the EBS snapshot.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jShape": "CreateVolumePermissionList",
"deprecated": false,
"documentation": "<p>A list of permissions for creating volumes from the snapshot.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A list of permissions for creating volumes from the snapshot.</p>
@param createVolumePermissions A list of permissions for creating volumes from the snapshot.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withCreateVolumePermissions",
"getterDocumentation": "/**<p>A list of permissions for creating volumes from the snapshot.</p>
@return A list of permissions for creating volumes from the snapshot. */",
"getterMethodName": "getCreateVolumePermissions",
"getterModel": {
"returnType": "java.util.List<CreateVolumePermission>",
"documentation": null
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "createVolumePermission",
"uri": false
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"idempotencyToken": false,
"list": true,
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"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "CreateVolumePermission",
"deprecated": false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/\*\n\param member 
\return Returns a reference to this object so that method calls can be chained together.\*/",
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"getterDocumentation" : "/\*\n\return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "CreateVolumePermission",
 "documentation" : null
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"http" : {
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/\*\n\param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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 "variableName" : "member",
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 "documentation" : "",
 "simpleType" : "CreateVolumePermission",
 "variableSetterType" : "CreateVolumePermission"
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"simple" : false,
"varargSetterDocumentation" : "/\*\n\param member \n\return Returns a reference to this object so that method calls can be chained together.\*/",
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 "variableName" : "member"
"variableType" : "CreateVolumePermission",
"documentation" : "",
"simpleType" : "CreateVolumePermission",
"variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>"
},
"map" : false,
"mapModel" : null,
"name" : "CreateVolumePermissions",
"setterDocumentation" : "/**<p>A list of permissions for creating volumes from the snapshot.</p>
@param createVolumePermissions A list of permissions for creating volumes from the snapshot.*/",
"setterMethodName" : "setCreateVolumePermissions",
"setterModel" : {
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  "variableName" : "createVolumePermissions",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of permissions for creating volumes from the snapshot.</p>
\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setCreateVolumePermissions(java.util.Collection) \} or \{ @link #withCreateVolumePermissions(java.util.Collection) \} if you want to override the existing values.\n\n@param createVolumePermissions A list of permissions for creating volumes from the snapshot.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "createVolumePermissions",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "<p>A list of permissions for creating volumes from the snapshot.</p>",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"xmlNameSpaceUri" : null,
], {
  "c2jName" : "ProductCodes",
  "c2jShape" : "ProductCodeList",
  "deprecated" : false,
  "documentation" : "<p>A list of product codes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCodes",
  "getterDocumentation" : "/**<p>A list of product codes.</p>
@return A list of product codes.*/",
  "getterMethodName" : "getProductCodes",
  "getterModel" : {
    "returnType" : "java.util.List<ProductCode>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductCodes",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "productCodes",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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      "c2jShape" : "ProductCode",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
      },
"returnType" : "ProductCode",
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>"
},
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "<p>A list of product codes.</p>",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"CreateVolumePermissions" : {
"c2jName" : "CreateVolumePermissions",
"c2jShape" : "CreateVolumePermissionList",
"deprecated" : false,
"documentation" : "<p>A list of permissions for creating volumes from the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A list of permissions for creating volumes from the\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "java.util.List<ProductCode>"}
A list of permissions for creating volumes from the snapshot.

```java
@param createVolumePermissions A list of permissions for creating volumes from the snapshot.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withCreateVolumePermissions",
"getterDocumentation" : "A list of permissions for creating volumes from the snapshot.

"getterMethodName" : "getCreateVolumePermissions",
"getterModel" : {
  "returnType" : "java.util.List<CreateVolumePermission>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CreateVolumePermission",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "createVolumePermission",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "CreateVolumePermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "",
    "flattenLocationName" : "CreateVolumePermission",
    "getterDocumentation" : "Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "Returns a reference to this object so that method calls can be chained together.

"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "CreateVolumePermission",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
```

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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"simple": false,
"simpleType": "CreateVolumePermission",
"templateImplType": "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType": "java.util.List<CreateVolumePermission>",
},
"map": false,
"mapModel": null,
"name": "CreateVolumePermissions",
"setterDocumentation": "/**<p>A list of permissions for creating volumes from the snapshot.</p>
@param createVolumePermissions A list of permissions for creating volumes from the snapshot.</p>\n@param createVolumePermissions A list of permissions for creating volumes from the snapshot.*/",
"setterMethodName": "setCreateVolumePermissions",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName": "createVolumePermissions",
"variableType": "java.util.List<CreateVolumePermission>",
"documentation": "",
"simpleType": "List<CreateVolumePermission>",
"variableSetterType": "java.util.Collection<CreateVolumePermission>",
"simple": false,
"varargSetterDocumentation": "/**<p>A list of permissions for creating volumes from the snapshot.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link 
#setCreateVolumePermissions(java.util.Collection) \} or \{ @link 
#withCreateVolumePermissions(java.util.Collection) \} if you want to override the existing values.</p>\n@param createVolumePermissions A list of permissions for creating volumes from the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName": "createVolumePermissions",
"variableType": "java.util.List<CreateVolumePermission>",
"documentation": "<p>A list of permissions for creating volumes from the snapshot.</p>",
"simpleType": "List<CreateVolumePermission>",
"variableSetterType": "java.util.Collection<CreateVolumePermission>",
"xmlNameSpaceUri": null,
},
"ProductCodes": {
"c2jName": "ProductCodes",
"c2jShape": "ProductCodeList",
"deprecated": false,
"documentation": "<p>A list of product codes.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withProductCodes",
"getterDocumentation": "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.
@return A list of product codes.
*/",
"getMethodName": "getProductCodes",
"getterModel": {
"returnType" : "java.util.List<ProductCode>",
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that\nmethod calls can be chained together."*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ProductCode",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>",
"map" : false,
"mapModel" : null,
"name": "ProductCodes",
"setterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or [@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "<p>A list of product codes.</p>
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
  "c2jName" : "SnapshotId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS snapshot.</p>
  "simpleType" : "String",
  "variableSetterType" : "String",
  "fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setSnapshotId(String) or @link #withSnapshotId(String) if you want to override the existing values.</p>
  @param snapshotId The ID of the EBS snapshot.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
  @return The ID of the EBS snapshot.</p>
  "getterMethodName" : "getSnapshotId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "snapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the EBS snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSnapshotAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
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"variable": { 
"variableDeclarationType": "DescribeSnapshotAttributeResult", 
"variableName": "describeSnapshotAttributeResult", 
"variableType": "DescribeSnapshotAttributeResult", 
"documentation": null, 
"simpleType": "DescribeSnapshotAttributeResult", 
"variableSetterType": "DescribeSnapshotAttributeResult" 
}, 
"wrapper": false 
}, 
"DescribeSnapshotsRequest": { 
"c2jName": "DescribeSnapshotsRequest", 
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"skipGeneratingMarshaller": false, 
"skipGeneratingModelClass": false, 
"skipGeneratingUnmarshaller": false 
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"deprecated": false, 
"documentation": "<p>Contains the parameters for DescribeSnapshots.</p>", 
"enums": null, 
"errorCode": null, 
"hasHeaderMember": false, 
"hasPayloadMember": false, 
"hasStatusCodeMember": false, 
"hasStreamingMember": false, 
"marshaller": { 
"action": "DescribeSnapshots", 
"locationName": null, 
"requestUri": "/", 
"target": null, 
"verb": "POST", 
"xmlNameSpaceUri": null 
}, 
"members": [ 
{ 
"c2jName": "SnapshotIds", 
"c2jShape": "SnapshotIdStringList", 
"deprecated": false, 
"documentation": "<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>", 
"enumType": null, 
"fluentSetterDocumentation": /**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@param snapshotIds One or more snapshot IDs.
@return Returns a reference to this object so that method calls can be chained together.*/", 
"fluentSetterMethodName": "withSnapshotIds", 
"getterDocumentation": /**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@returns a reference to this object so that method calls can be chained together.*/", 
"invalidateCache": false, 
"name": "SnapshotIds", 
"nameInfo": "NameInfo", 
"simpleType": "SnapshotIdStringList", 
"variableDeclarationType": "DescribeSnapshotAttributeResult", 
"variableName": "describeSnapshotAttributeResult", 
"variableType": "DescribeSnapshotAttributeResult", 
"wrapper": false 
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"requestId": null, 
"snapshotIds": [ 
"variable": { 
"variableDeclarationType": "DescribeSnapshotAttributeResult", 
"variableName": "describeSnapshotAttributeResult", 
"variableType": "DescribeSnapshotAttributeResult", 
"documentation": null, 
"simpleType": "DescribeSnapshotAttributeResult", 
"variableSetterType": "DescribeSnapshotAttributeResult" 
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"wrapper": false 
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"DescribeSnapshotsRequest": { 
"c2jName": "DescribeSnapshotsRequest", 
"customization": { 
"artificialResultWrapper": null, 
"skipGeneratingMarshaller": false, 
"skipGeneratingModelClass": false, 
"skipGeneratingUnmarshaller": false 
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"enums": null, 
"errorCode": null, 
"hasHeaderMember": false, 
"hasPayloadMember": false, 
"hasStatusCodeMember": false, 
"hasStreamingMember": false, 
"marshaller": { 
"action": "DescribeSnapshots", 
"locationName": null, 
"requestUri": "/", 
"target": null, 
"verb": "POST", 
"xmlNameSpaceUri": null 
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"members": [ 
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"c2jName": "SnapshotIds", 
"c2jShape": "SnapshotIdStringList", 
"deprecated": false, 
"documentation": "<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>", 
"enumType": null, 
"fluentSetterDocumentation": /**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@param snapshotIds One or more snapshot IDs.
@return Returns a reference to this object so that method calls can be chained together.*/", 
"fluentSetterMethodName": "withSnapshotIds", 
"getterDocumentation": /**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@returns a reference to this object so that method calls can be chained together.*/", 
"invalidateCache": false, 
"name": "SnapshotIds", 
"nameInfo": "NameInfo", 
"simpleType": "SnapshotIdStringList", 
"variableDeclarationType": "DescribeSnapshotAttributeResult", 
"variableName": "describeSnapshotAttributeResult", 
"variableType": "DescribeSnapshotAttributeResult", 
"wrapper": false 
}, 
"requestId": null, 
"snapshotIds": [ 
"variable": { 
"variableDeclarationType": "DescribeSnapshotAttributeResult", 
"variableName": "describeSnapshotAttributeResult", 
"variableType": "DescribeSnapshotAttributeResult", 
"documentation": null, 
"simpleType": "DescribeSnapshotAttributeResult", 
"variableSetterType": "DescribeSnapshotAttributeResult" 
} 
}, 
"wrapper": false 
}
which you have launch permissions. */
    "getterMethodName" : "getSnapshotIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SnapshotId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SnapshotId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : ""
      },
      "enumType" : null,
      "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/*\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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      "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlnsSpaceUri" : null
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"memberLocationName" : "SnapshotId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Owner",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Owner",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Owner",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Owner",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "Owner",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "OwnerIds",
"setterDocumentation" : "/**<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.*/",
"setterMethodName" : "setOwnerIds",
"setterModel" : {
"variable declareationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ownerIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"simple" : false,
"vargSetterDocumentation" : "/**<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
<br>NOTE:<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setOwnerIds(java.util.Collection)} or {@link #withOwnerIds(java.util.Collection)} if you want to override the existing values.</p>
@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ownerIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"xmlNameSpaceUri" : null
"c2jName" : "RestorableByUserIds",
"c2jShape" : "RestorableByStringList",
"deprecated" : false,
"documentation" : "<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRestorableByUserIds",
"getterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@return One or more AWS accounts IDs that can create volumes from the snapshot.*/",
"getterMethodName" : "getRestorableByUserIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
"http" : {
"additionalMarshallingPath" : null,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" :{
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*/\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" :{
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RestorableByUserIds",
"setterDocumentation" : "/**\n@<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot */",
"setterMethodName" : "setRestorableByUserIds",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "restorableByUserIds",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more AWS accounts IDs that can create volumes from the
snapshot.</p>\n**/\nNOTE:\nThis method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you
want to override the existing values.\n@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "restorableByUserIds",
    "variableType": "java.util.List<String>",
    "documentation": "One or more AWS accounts IDs that can create volumes from the snapshot."
},
"xmlNameSpaceUri": null
},
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
   <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
   </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
   </p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.
   </p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.
   </p> </li> 
  </ul>
  @param filters One or more filters.
  
  @return Returns a reference to this object so that method calls can be chained together.*"/
  
  "getterDocumentation" : "description of the snapshot.";
  "getterMethodName" : "withFilters",
  "fluentSetterMethodName" : "withFilters",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",}
"setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.

- A description of the snapshot.
- Value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
- The ID of the AWS account that owns the snapshot.
- The progress of the snapshot, as a percentage (for example, 80%).
- The snapshot ID.
- The time stamp when the snapshot was initiated.
- The status of the snapshot (pending | completed | error).
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose=X for the filter name and X for the filter value.

*/""
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the tag-key filter.</p> 

- The value of a tag assigned to the resource. This filter is independent of the tag-key filter. 

- The ID of the volume the snapshot is for.

- The size of the volume, in GiB.

- A description of the snapshot.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the tag-key filter.

- The value of a tag assigned to the resource. This filter is independent of the tag-key filter.

- The ID of the volume the snapshot is for.

- The size of the volume, in GiB.

- Value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

- The progress of the snapshot, as a percentage (for example, 80%).

- The snapshot ID.

- The time stamp when the snapshot was initiated.

- The status of the snapshot (pending | completed | error).

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the tag-key filter.

- Value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

**variable**

```
{ "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>", "variableName" : "filters", "variableType" : "java.util.List<Filter>", "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code>) or (<code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li> ```

@<i>return</i> Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code>) or (<code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li> ```
value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the 
<code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", - The value of a tag assigned to the resource. This filter is independent of the 
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the 
<code>tag-key</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li> 

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
}

"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The <code>NextToken</code> value returned from a previous paginated 
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the 
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

"enumType" : null,
"getterDocumentation" : /*\*
@<p>The <code>NextToken</code> value returned from a previous paginated 
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the 
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : true,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p><p>The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>"},
"unmarshallLocationName" : "NextToken"}
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

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another `<code>DescribeSnapshots</code>` request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then `<code>DescribeSnapshots</code>` returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.*/*

```
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "MaxResults",
  "setterDocumentation" : /*<p>The maximum number of snapshot results returned by
  <code>DescribeSnapshots</code> in paginated output. When this parameter is used,
  <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
  <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
  another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>*/

```
  "setterMethodName" : "setMaxResults",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "setterDocumentation" : "The maximum number of snapshot results returned by
    <code>DescribeSnapshots</code> in paginated output. When this parameter is used,
    <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
    <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
    another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request."*/"
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"vargSetterDocumentation" : "/**
<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request./p>\n
@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.\n
@returns a reference to this object so that method calls can be chained together.*/",
"simple" : true,
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.\n<ul>\n<li><p><code>description</code> - A description of the snapshot.\n</p></li>
<li><p><code>owner-alias</code> - Value from an Amazon-maintained list (\n<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to
be confused with the user-configured AWS account alias, which is set from the IAM console.

- The ID of the AWS account that owns the snapshot.
- The progress of the snapshot, as a percentage (for example, 80%).
- The snapshot ID.
- The time stamp when the snapshot was initiated.
- Status of the snapshot (pending, completed, error).

- The value of the tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

- The ID of the volume snapshot is for.
- The size of the volume, in GiB.

- A description of the snapshot.
- Value from an Amazon-maintained list of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
- The ID of the AWS account that owns the snapshot.
- The progress of the snapshot, as a percentage (for example, 80%).
- The snapshot ID.
- The time stamp when the snapshot was initiated.
- Status of the snapshot (pending, completed, error).

- The value of the tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

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- Value from an Amazon-maintained list of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
- The ID of the AWS account that owns the snapshot.
- The progress of the snapshot, as a percentage (for example, 80%).
- The snapshot ID.
- The time stamp when the snapshot was initiated.
- Status of the snapshot (pending, completed, error).

- The value of the tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

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- The size of the volume, in GiB.

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- The ID of the AWS account that owns the snapshot.
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- Status of the snapshot (pending, completed, error).

- The value of the tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

- The ID of the volume snapshot is for.
- The size of the volume, in GiB.
Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>
</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p>
</li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p>
</li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p>
</li> </ul>
</p>
</li> <li> <p> <code>description</code> - A description of the snapshot.</p>
</li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>
</li> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p>
</li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p>
</li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p>
</li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p>
</li> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).<p>
</p>
</li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. <p>
</p>
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>
</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-keys=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
<code>volume-id</code> - The ID of the volume the snapshot is for.<p></p> <li> <code>volume-size</code> - The size of the volume, in GiB.</li>*/

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return \n*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAuto ConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditional UnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>"
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/** One or more filters. */
\ul\li\li <p> <code>description</code> - A description of the snapshot. </p>
\li\li <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>
\li\li <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot. </p>
\li\li <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%). </p>
\li\li <p> <code>snapshot-id</code> - The snapshot ID. </p>
\li\li <p> <code>start-time</code> - The time stamp when the snapshot was initiated. </p>
\li\li <p> <code>status</code> - The status of the snapshot. </p>
\li\li <p> <code>pending</code> | <code>completed</code> | <code>error</code>. </p>
\li\li <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p>
\li\li <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p>
\li\li <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p>
\li\li <p> <code>volume-id</code> - The ID of the volume the snapshot is for. </p>
\li\li <p> <code>volume-size</code> - The size of the volume, in GiB. </p>
\li\li <p> <code>description</code> - A description of the snapshot. </p>
\li\li <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>
\li\li <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot. </p>
\li\li <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%). </p>
\li\li <p> <code>snapshot-id</code> - The snapshot ID. </p>
\li\li <p> <code>start-time</code> - The time stamp when the snapshot was initiated. </p>
\li\li <p> <code>status</code> - The status of the snapshot. </p>
\li\li <p> <code>pending</code> | <code>completed</code> | <code>error</code>. </p>
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\li\li <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p>
\li\li <p> <code>volume-id</code> - The ID of the volume the snapshot is for. </p>
\li\li <p> <code>volume-size</code> - The size of the volume, in GiB. </p>
\li\li <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p>
\li\li <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p>*/

setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",}
"variableType": "java.util.List<Filter>",
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>",
"simple": false,
"varargSetterDocumentation": "*/*/p>One or more filters.</p> 
<li> <p> <code>description</code> - A description of the snapshot.</p> 
<li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> 
<li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> 
<li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> 
<li> <p> <code>snapshot-id</code> - The snapshot ID.</p> 
<li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> 
<li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose</code> for the filter value.</p> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter. Example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose</code> for the filter value.</p> 
<li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> 
<li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> 

<p>*/*/p>

*/*/p>One or more filters.</p> 
<li> <p> <code>description</code> - A description of the snapshot.</p> 
<li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> 
<li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> 
<li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> 
<li> <p> <code>snapshot-id</code> - The snapshot ID.</p> 
<li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> 
<li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose</code> for the filter value.</p> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter. Example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose</code> for the filter value.</p> 
<li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> 
<li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> 

<p>*/*/p>\n@link #setFilters(java.util.Collection)\} if you want to override the existing values.</p> 

*/*/p>\n@link #withFilters(java.util.Collection) if you want to override the existing values.</p> 

*/*/p>\n@link #setFilters(java.util.Collection)\} if you want to override the existing values.</p> 

*/*/p>\n@link #withFilters(java.util.Collection) if you want to override the existing values.
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p> <li> <p> <code>description</code> - A description of the snapshot. </p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p> </li> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot. </p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%). </p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID. </p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated. </p> </li> <li> <p> <code>status</code> - The status of the snapshot (pending, completed, error). </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for. </p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB. </p> </li>
    },
    "xmlNameSpaceUri" : null
},
"MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request."},
    "enumType" : null,
    "fluentSetterDocumentation" : "The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request."}
returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.</p>

@<p>param maxResults The maximum
number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter
is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by
sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot
specify this parameter and the snapshot IDs parameter in the same request.</p>

@<p>return Returns a reference to this
object so that method calls can be chained together.</p>

*/

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "**<p>The maximum number of snapshot results returned by</p>
<code>DescribeSnapshots</code> in paginated output. When this parameter is used,
<code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.</p>

@<p>return The maximum number of
snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used,
<code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.</p>*/

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
null
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of snapshot results returned by
<code>DescribeSnapshots</code> in paginated output. When this parameter is used,
<code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are
returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.</p>*/
@param maxResults The maximum
number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter
is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are
returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.*/

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of snapshot results returned by
<code>DescribeSnapshots</code> in paginated output. When this parameter is used,
<code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are
returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.*/
@param maxResults The maximum
number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter
is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are
returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.*/
@return Returns a reference to this
object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults"}
"variableType": "Integer",
"documentation": "&lt;p&gt;The maximum number of snapshot results returned by &lt;code&gt;DescribeSnapshots&lt;/code&gt; in paginated output. When this parameter is used, &lt;code&gt;DescribeSnapshots&lt;/code&gt; only returns &lt;code&gt;MaxResults&lt;/code&gt; results in a single page along with a &lt;code&gt;NextToken&lt;/code&gt; response element. The remaining results of the initial request can be seen by sending another &lt;code&gt;DescribeSnapshots&lt;/code&gt; request with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000; if &lt;code&gt;MaxResults&lt;/code&gt; is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then &lt;code&gt;DescribeSnapshots&lt;/code&gt; returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.&lt;/p&gt;",

"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"NextToken": {
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "&lt;p&gt;The &lt;code&gt;NextToken&lt;/code&gt; value returned from a previous paginated &lt;code&gt;DescribeSnapshots&lt;/code&gt; request where &lt;code&gt;MaxResults&lt;/code&gt; was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the &lt;code&gt;NextToken&lt;/code&gt; value. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;",
"enumType": null,

"fluentSetterDocumentation": "*/&gt;&lt;p&gt;The &lt;code&gt;NextToken&lt;/code&gt; value returned from a previous paginated &lt;code&gt;DescribeSnapshots&lt;/code&gt; request where &lt;code&gt;MaxResults&lt;/code&gt; was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the &lt;code&gt;NextToken&lt;/code&gt; value. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;param name="nextToken" The &lt;code&gt;NextToken&lt;/code&gt; value returned from a previous paginated &lt;code&gt;DescribeSnapshots&lt;/code&gt; request where &lt;code&gt;MaxResults&lt;/code&gt; was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the &lt;code&gt;NextToken&lt;/code&gt; value. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/param&gt;&lt;/p&gt;&lt;/param&gt;&lt;param name="nextToken" The &lt;code&gt;NextToken&lt;/code&gt; value returned from a previous paginated &lt;code&gt;DescribeSnapshots&lt;/code&gt; request where &lt;code&gt;MaxResults&lt;/code&gt; was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the &lt;code&gt;NextToken&lt;/code&gt; value. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/param&gt;&lt;/param&gt;&lt;param name="nextToken" The &lt;code&gt;NextToken&lt;/code&gt; value returned from a previous paginated &lt;code&gt;DescribeSnapshots&lt;/code&gt; request where &lt;code&gt;MaxResults&lt;/code&gt; was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the &lt;code&gt;NextToken&lt;/code&gt; value. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/param&gt;&lt;/param&gt;&lt;param name="nextToken" The &lt;code&gt;NextToken&lt;/code&gt; value returned from a previous paginated &lt;code&gt;DescribeSnapshots&lt;/code&gt; request where &lt;code&gt;MaxResults&lt;/code&gt; was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the &lt;code&gt;NextToken&lt;/code&gt; value. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.*/&lt;/p&gt;",

"getterDocumentation": "*/&gt;&lt;p&gt;The &lt;code&gt;NextToken&lt;/code&gt; value returned from a previous paginated &lt;code&gt;DescribeSnapshots&lt;/code&gt; request where &lt;code&gt;MaxResults&lt;/code&gt; was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the &lt;code&gt;NextToken&lt;/code&gt; value. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",

"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "NextToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String"
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return."",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
"OwnerIds" : {
"c2jName" : "OwnerIds",
"c2jShape" : "OwnerStringList",
"deprecated" : false,
"documentation" : "Returns the snapshots owned by the specified owner. Multiple owners can be specified.
"returns the snapshots owned by the specified owner. Multiple owners can be specified.
@return Returns a reference to this object so that method calls can be chained together."",
"enumType" : null,
"fluentSetterDocumentation" : "Returs the snapshots owned by the specified owner. Multiple owners can be specified.
@returns the snapshots owned by the specified owner. Multiple owners can be specified.
@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "withOwnerIds",
"getterDocumentation" : "Returns the snapshots owned by the specified owner. Multiple owners can be specified.
@return Returns the snapshots owned by the specified owner. Multiple owners can be specified.
"returns the snapshots owned by the specified owner. Multiple owners can be specified.
@return Returns a reference to this object so that method calls can be chained together."",
"getterMethodName" : "getOwnerIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Owner",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Owner",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",}
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Owner",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Owner",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Owner",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "OwnerIds",
"setterDocumentation" : "/**<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setOwnerIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ownerIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\n@param ownerIds\n\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"variableType" : "java.util.List<String>",
"documentation" : "<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"RestorableByUserIds" : {
"c2jName" : "RestorableByUserIds",
"c2jShape" : "RestorableByStringList",
"deprecated" : false,
"documentation" : "<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@return One or more AWS accounts IDs that can create volumes from the snapshot.*/",
"getterMethodName" : "getRestorableByUserIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "RestorableBy",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "RestorableBy",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "String",
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String"}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RestorableByUserIds",
"setterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.</p>*/",
"setterMethodName" : "setRestorableByUserIds",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "restorableByUserIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link setRestorableByUserIds(java.util.Collection)} or { @link withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.</p><p>@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.</p><b>Return</b> Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

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"variableName" : "restorableByUserIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
"variableSetterType" : "java.util.Collection<String>>
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"xmlNameSpaceUri" : null
},
"SnapshotIds" : {
"c2jName" : "SnapshotIds",
"c2jShape" : "SnapshotIdStringList",
"deprecated" : false,
"documentation" : "One or more snapshot IDs.
Default: Describes snapshots for which you have launch permissions.
"enumType" : null,
"fluentSetterDocumentation" : "/**
One or more snapshot IDs.
Default: Describes snapshots for which you have launch permissions.
*/!
"getterDocumentation" : "/**
One or more snapshot IDs.
Default: Describes snapshots for which you have launch permissions.
*/!
"getterMethodName" : "getSnapshotIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallingLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallingLocationName" : "SnapshotId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member"}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "SnapshotId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
}
},
"map": false,
"mapModel": null,
"name": "SnapshotIds",
"setterDocumentation": "/**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p> <p>@param snapshotIds One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.*/",
"setterMethodName": "setSnapshotIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "snapshotIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSnapshotIds(java.util.Collection)} or {@link #withSnapshotIds(java.util.Collection)} if you want to override the existing values.</p> <p>@param snapshotIds One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p> <p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "snapshotIds",
"variableType": "java.util.List<String>",
"documentation": "<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>",
"simpleType": "List<String>",
"simple": true,
"simpleType": "String"
"variableSetterType" : "java.util.Collection<String>",
"xmlNamespaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSnapshotsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeSnapshotsRequest",
"variableName" : "describeSnapshotsRequest",
"variableType" : "DescribeSnapshotsRequest",
"documentation" : null,
"simpleType" : "DescribeSnapshotsRequest",
"variableSetterType" : "DescribeSnapshotsRequest"
},
"wrapper" : false
},
"DescribeSnapshotsResult" : {
"c2jName" : "DescribeSnapshotsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSnapshots.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Snapshots",
"c2jShape" : "SnapshotList",
"deprecated" : false,
"documentation" : "<p>Information about the snapshots.</p>
@param snapshots Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshots",
"getterDocumentation" : "/**<p>Information about the snapshots.</p>
@returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the snapshots.</p>
@param snapshots Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Information about the snapshots.</p>
@returns a reference to this object so that method calls can be chained together.*/"}
"getterMethodName" : "getSnapshots",
"getterModel" : {
  "returnType" : "java.util.List<Snapshot>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SnapshotSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "snapshotSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Snapshot",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns A reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Snapshot",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SnapshotSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "snapshotSet",
      "uri" : false
    }
  }
}
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Snapshot",
"variableName" : "member",
"variableType" : "Snapshot",
"documentation" : "",
"simpleType" : "Snapshot",
"variableSetterType" : "Snapshot"
}
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "Snapshot",
"variableName" : "member",
"variableType" : "Snapshot",
"documentation" : "",
"simpleType" : "Snapshot",
"variableSetterType" : "Snapshot"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Snapshot",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Snapshot",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
"templateType" : "java.util.List<Snapshot>"
},

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"map" : false,
"mapModel" : null,
"name" : "Snapshots",
"setterDocumentation" : "/**<p>Information about the snapshots.</p>\n@returns Information about the snapshots.*/",
"setterMethodName" : "setSnapshots",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
  "variableName" : "snapshots",
  "variableType" : "java.util.List<Snapshot>",
  "documentation" : "",
  "simpleType" : "List<Snapshot>",
  "variableSetterType" : "java.util.Collection<Snapshot>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the snapshots.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setSnapshots(java.util.Collection)] or [@link #withSnapshots(java.util.Collection)] if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
  "variableName" : "snapshots",
  "variableType" : "java.util.List<Snapshot>",
  "documentation" : "<p>Information about the snapshots.</p>",
  "simpleType" : "List<Snapshot>",
  "variableSetterType" : "java.util.Collection<Snapshot>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "/p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",}
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/

```

### Getter Method

```java

public String getNextToken()
```

```

### Setter Method

```java

public void setNextToken(String nextToken)
```

```

The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/
```
"simple": true,
"varargSetterDocumentation": "/**<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>\n@param nextToken The 
<code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results 
of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to 
retrieve the next page of results. This value is <code>null</code> when there are no more results to 
return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>
@param nextToken The 
<code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "NextToken": {
    "c2jName": "NextToken",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>
@return The 
<code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>\n@param nextToken The 
<code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>\n@returns The 
<code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",\n"getterSetterDocumentation": "/**<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>\n@returns The 
<code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",\n"getterSetterMethodName": "withNextToken"}
"getterMethodName": "getNextToken",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/"
of a <code>DescribeSnapshots</code> request <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

```java
@returns Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

```
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Snapshot",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
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      "documentation" : null
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  }
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"map" : false,
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"simpleType" : "Snapshot",
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"templateType" : "java.util.List<Snapshot>",
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"setterModel" : {
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"variableName" : "snapshots",
"variableType" : "java.util.List<Snapshot>",
"documentation" : "",
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"variableSetterType" : "java.util.Collection<Snapshot>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param snapshots Information about the snapshots.\n*/

NOTE: This method appends the values to the existing list (if any). Use \{@link #setSnapshots(java.util.Collection)} or \{@link #withSnapshots(java.util.Collection)} if you want to override the existing values.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "SpotDatafeedSubscription"
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"simple" : false,
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@param
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"greedy" : false,
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"isStreaming" : false,
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@return The Spot instance data feed subscription.*/",
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} ]
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"variableType" : "SpotDatafeedSubscription",
"documentation" : "",
"simpleType" : "SpotDatafeedSubscription",
"variableSetterType" : "SpotDatafeedSubscription"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",

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      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
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"idempotencyToken": false,
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"map": false,
"mapModel": null,
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"setterModel": {
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The token for the next set of results.
*/",
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"header" : false,
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"statusCode" : false,
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"listModel" : null,
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"c2jShape" : "Integer",
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"enumType": null,

"fluentSetterDocumentation": "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@return Returns a reference to this object so that method calls can be chained together.
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@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
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  "uri": false
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"list": false,

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"map": false,

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@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@return Returns a reference to this object so that method calls can be chained together.
",

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    "variableType" : "Integer",
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@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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        "c2jShape" : "Integer",
        "deprecated" : false,
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@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/";

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    "header": false,
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    "location": null,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "maxResults",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@return Returns a reference to this object so that method calls can be chained together.
</p>",
"setterMethodname": "setMaxResults",
"setterModel": {
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@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@return Returns a reference to this object so that method calls can be chained together.
</p>",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>
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token for the next set of results.
@return Returns a reference to this object so that method calls can be chained
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"getterDocumentation" : "/**<p>The token for the next set of results.</p>
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"isStreaming" : false,
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"uri" : false
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "String",
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  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
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  "getterModel" : {
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"isPayload": false,
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"uri": false,
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"map": false,
"mapModel": null,
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@return Returns a reference to this object so that method calls can be chained together."",
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"variableName": "describeSpotFleetInstancesRequest",
"variableType": "DescribeSpotFleetInstancesRequest",
"documentation": null,
"simpleType": "DescribeSpotFleetInstancesRequest",
"variableSetterType": "DescribeSpotFleetInstancesRequest"
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"wrapper": false
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"c2jName": "DescribeSpotFleetInstancesResponse",
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  "skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "<p>Contains the output of DescribeSpotFleetInstances.</p>",
"enums": null,
"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the Spot fleet request.</p>*/
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  "getterDocumentation": "/**<p>The ID of the Spot fleet request.</p>*/
  ,
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    "documentation": null
  },
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"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "spotFleetRequestId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SpotFleetRequestId",
"setterDocumentation": "/**<p>The ID of the Spot fleet request.</p>
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"setterMethodName": "setSpotFleetRequestId",
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  "documentation": "/",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Spot fleet request.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
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"xmlNameSpaceUri": null
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  "c2jName": "ActiveInstances",
  "c2jShape": "ActiveInstanceSet",
  "deprecated": false,
  "documentation": "<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The running instances. Note that this list is refreshed periodically and
might be out of date.\n
@param activeInstances The running instances. Note that this list is refreshed periodically and might be out of date.\n
@return Returns a reference to this object so that method calls can be chained together.*\n
"fluentSetterMethodName" : "withActiveInstances",
"getterDocumentation" : "/**\nThe running instances. Note that this list is refreshed periodically and might be out of date.\n\n\ngetterMethodName" : "getActiveInstances",
"getterModel" : {
"returnType" : "java.util.List<ActiveInstance>",
"documentation" : null
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"http" : {
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"unmarshallLocationName" : "activeInstanceSet",
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"idempotencyToken" : false,
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"c2jShape" : "ActiveInstance",
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"getterModel" : {
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"sendEmptyQueryString": false,
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"templateType": "java.util.List<ActiveInstance>",
"map": false,
"mapModel": null,
"name": "ActiveInstances",
"setterDocumentation": "/**<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>
@param activeInstances The running instances. Note that this list is refreshed periodically and might be out of date.*/

setterMethodName": "setActiveInstances",
"setterModel": {

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"documentation": 
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"simpleType": "List<ActiveInstance>",
"variableSetterType": "java.util.Collection<ActiveInstance>",
"varargSetterDocumentation": "/**<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>

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"variableName": "activeInstances",
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"varargSetterDocumentation": "/**<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>

variable": {

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"documentation": 
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"documentation": 
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enumType": null,
"fluentSetterDocumentation": "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>

@param nextToken The token required to
retrieve the next set of results. This value is <code>null</code> when there are no more results to return.

Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withNextToken",
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@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",

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"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
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"list" : false,
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"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>

@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",

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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>

@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.

@return

```
Returns a reference to this object so that method calls can be chained together.

```
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  "variableSetterType" : "String"
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    "documentation" : "<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>@param activeInstances The running instances. Note that this list is refreshed periodically and might be out of date.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "getterDocumentation" : "/**<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>@return The running instances. Note that this list is refreshed periodically and might be out of date.</p>*/",
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      "documentation" : null
    },
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      "greedy" : false,
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      "isStreaming" : false,
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      "uri" : false
    }
  }
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "ActiveInstance",
    "deprecated" : false,
    "documentation" : "",
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    "getterDocumentation" : "/**\n@\n\n\n*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "map" : false,
    "mapModel" : null,
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      "variableType" : "ActiveInstance",
      "documentation" : ""
    }
  }
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "ActiveInstance",
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    "documentation" : "",
    "enumType" : null,
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    "getterDocumentation" : "/**\n@\n\n\n*/",
    "getterMethodName" : "getMember",
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      "documentation" : null
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      "greedy" : false,
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      "variableType" : "ActiveInstance",
      "documentation" : ""
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  }
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"variableSetterType" : "ActiveInstance"
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method calls can be chained together.*\n*/",
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"variableType" : "ActiveInstance",
"documentation" : "",
"simpleType" : "ActiveInstance",
"variableSetterType" : "ActiveInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ActiveInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ActiveInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ActiveInstance>",
"templateType" : "java.util.List<ActiveInstance>
}
},
"map" : false,
"mapModel" : null,
"name" : "ActiveInstances",
"setterDocumentation" : "/**\nThe running instances. Note that this list is refreshed periodically and might
be out of date.\n\n@param activeInstances The running instances. Note that this list is refreshed periodically and
might be out of date.*\n*/",
"setterMethodName" : "setActiveInstances",
"setterModel" : {
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"variableName" : "activeInstances",
"variableType" : "java.util.List<ActiveInstance>",
"documentation" : "",
"simpleType" : "List<ActiveInstance>",
"variableSetterType" : "java.util.Collection<ActiveInstance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nThe running instances. Note that this list is refreshed periodically and
might be out of date.\n\n@param activeInstances The running instances. Note that this list is refreshed periodically and
might be out of date.*\n*/
"
refreshed periodically and might be out of date.\n@return Returns a reference to this object so that method calls can be chained together.*/
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        "variableName" : "activeInstances",
        "variableType" : "java.util.List<ActiveInstance>",
        "documentation" : "<p>The running instances. Note that this list is refreshed periodically and might be out of date.\n</p>",
        "simpleType" : "List<ActiveInstance>",
        "variableSetterType" : "java.util.Collection<ActiveInstance>"
    },
    "xmlNameSpaceUri" : null
},
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.\n</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.\n</p>\n@param nextToken The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.\n</p>\n@return The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.*/
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "nextToken",
        "uri" : false
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotFleetRequestId",
  "getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.*/",
  "getterMethodName" : "getSpotFleetRequestId",
  "getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of
the Spot fleet request.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
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  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "ActiveInstances" ],
"shapeName" : "DescribeSpotFleetInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeSpotFleetInstancesResult",
  "variableName" : "describeSpotFleetInstancesResult",
  "variableType" : "DescribeSpotFleetInstancesResult",
  "documentation" : null,
  "simpleType" : "DescribeSpotFleetInstancesResult",
  "variableSetterType" : "DescribeSpotFleetInstancesResult"
},
"wrapper" : false,
"DescribeSpotFleetRequestHistoryRequest" : {
  "c2jName" : "DescribeSpotFleetRequestHistoryRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\<p\>Contains the parameters for DescribeSpotFleetRequestHistory.\</p\>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
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      "c2jName" : "SpotFleetRequestId",
      "c2jShape" : "String",
      "deprecated" : false,
"documentation" : "The ID of the Spot fleet request.",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the Spot fleet request.
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withSpotFleetRequestId",
"getterDocumentation" : "The ID of the Spot fleet request.
@return The ID of the Spot fleet request.
",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "The ID of the Spot fleet request.
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
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"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the Spot fleet request.
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
"
together.*/",
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        "variableName" : "spotFleetRequestId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the Spot fleet request.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
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    "c2jName" : "EventType",
    "c2jShape" : "EventType",
    "deprecated" : false,
    "documentation" : "<p>The type of events to describe. By default, all events are described.</p>",
    "enumType" : "EventType",
    "fluentSetterDocumentation" : "/**<p>The type of events to describe. By default, all events are
described.</p>
@param eventType The type of events to describe. By default, all events are
described.
@return
Returns a reference to this object so that method calls can be chained together.</p>@see EventType*/",
    "fluentSetterMethodName" : "withEventType",
    "getterDocumentation" : "/**<p>The type of events to describe. By default, all events are
described.</p>
@return The type of events to describe. By default, all events are described.
@see EventType*/",
    "getterMethodName" : "getEventType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "EventType",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "eventType",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "EventType",
    "variable" : {
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        "variableName" : "spotFleetRequestId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the Spot fleet request.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
}
"setterDocumentation" : "/**<p>The type of events to describe. By default, all events are described.<p/>
@param eventType The type of events to describe. By default, all events are described.<p/>
@see EventType*/",
"setterMethodName" : "setEventType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of events to describe. By default, all events are described.<p/>
@param eventType The type of events to describe. By default, all events are described.<p/>
@return Returns a reference to this object so that method calls can be chained together.<p/>
@see EventType*/",
"variable" : {
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  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "<p>The type of events to describe. By default, all events are described.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.<p/>
@see EventType*/",
"fluentSetterMethodName" : "withStartTime",
"getterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@return The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).<p/>
@see EventType*/",
"getterMethodName" : "getStartTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "startTime",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/*<p>The starting date and time for the events, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>- <i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). */",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.Date",
  "documentation" : "The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**\n * The token for the next set of results.
 * @param nextToken The token for the next set of results.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**\n * The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 */",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
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"isPayload" : false,
"isStreaming" : false,
"c2jName" : "EventType",
"c2jShape" : "EventType",
"deprecated" : false,
"documentation" : "<p>The type of events to describe. By default, all events are described.</p>",
"enumType" : "EventType",
"fluentSetterDocumentation" : "/**<p>The type of events to describe. By default, all events are described.</p>
@param eventType The type of events to describe. By default, all events are described.
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",
"fluentSetterMethodName" : "withEventType",
"getterDocumentation" : "/**<p>The type of events to describe. By default, all events are described.</p>
@return The type of events to describe. By default, all events are described.
@see EventType*/",
"getterMethodName" : "getEventType",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "EventType",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "eventType",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EventType",
"setterDocumentation" : "/**<p>The type of events to describe. By default, all events are described.</p>
@param eventType The type of events to describe. By default, all events are described.
@see EventType*/",
"setterMethodName" : "setEventType",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "eventType",
 "variableType" : "eventType",
 "documentation" : "",
 "simpleType" : "String",
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  "variableDeclarationType" : "String",
  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "<p>The type of events to describe. By default, all events are described.</p>
  @param eventType The type of events to describe. By default, all events are described.
  @return Returns a reference to this object so that method calls can be chained together.
  @see EventType*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
  @return The maximum number of results to return in a single call.
  Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "maxResults",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMaxResults",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "maxResults",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName": "maxResults",
"variableType": "Integer",
"documentation": "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@returns Returns a reference to this object so that method calls can be chained together.
",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"NextToken": {
"c2jName": "NextToken",
"marshallLocationName": "MaxResults",
"queryString": false,
"statusCode": false,
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token for the next set of results.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The token for the next set of results.</p>
@return The token for the next set of results.
*/",
"getterMethodName": "getNextToken",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
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},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token for the next set of results.</p>
@param nextToken The
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "<p>The token for the next set of results.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SpotFleetRequestId": {
"c2jName": "SpotFleetRequestId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the Spot fleet request.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName": "withSpotFleetRequestId",
"getterDocumentation": "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.*/",
"getterMethodName": "getSpotFleetRequestId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SpotFleetRequestId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "spotFleetRequestId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
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"map" : false,
"mapModel": null,
"name": "SpotFleetRequestId",
"setterDocumentation": "/**<p>The ID of the Spot fleet request.</p>*/
@param spotFleetRequestId The ID of
the Spot fleet request.*!*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel": {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation": "/**<p>The ID of the Spot fleet request.</p>*/
@param spotFleetRequestId
The ID of the Spot fleet request.*!*/
@return Returns a reference to this object so that method calls can be chained
together.*!*/",
"variable": {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StartTime": {
  "c2jName": "StartTime",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>*/
@param startTime The
starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained
together.*!*/",
  "fluentSetterMethodName": "withStartTime",
  "getterDocumentation": "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>*/
@return The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
*/
@return Returns a reference to this object so that method calls can be chained
together.*!*/",
  "getterMethodName": "getStartTime",
  "getterModel": {
    "returnType": "java.util.Date",
    "variableDeclarationType": "String",
    "variableName": "startTime",
    "variableType": "String",
    "documentation": "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
    "simple": true,
    "variableSetterType": "String"
  }
}
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StartTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "startTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**\<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>).\/<p>@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i>).*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i>).<p>@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i>).<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i>).<p>"
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "StartTime" ],
"shapeName" : "DescribeSpotFleetRequestHistoryRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeSpotFleetRequestHistoryRequest",
"variableName" : "describeSpotFleetRequestHistoryRequest",
"variableType" : "DescribeSpotFleetRequestHistoryRequest",
"documentation" : null,
"simpleType" : "DescribeSpotFleetRequestHistoryRequest",
"variableSetterType" : "DescribeSpotFleetRequestHistoryRequest"
},
"wrapper" : false
},
"DescribeSpotFleetRequestHistoryResult" : {
"c2jName" : "DescribeSpotFleetRequestHistoryResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSpotFleetRequestHistory.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "SpotFleetRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /**<p>The ID of the Spot fleet request.</p>
/**<p>The ID of the Spot fleet request.</p>
\n@returns a reference to this object so that method calls can be chained together */",
"fluentSetterMethodName" : "withSpotFleetRequestId"
"getterDocumentation" : "/*\n<p>The ID of the Spot fleet request.</p>\n@return The ID of the Spot fleet request.*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/*\n<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>"}.
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD</i>T<i>HH:MM:SS</i>Z).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, "YYYY-MM-DD" T"HH:MM:SS")</p>
@param startTime The starting date and time for the events, in UTC format (for example, "YYYY-MM-DD" T"HH:MM:SS").
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStartTime",
"getterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, "YYYY-MM-DD" T"HH:MM:SS")</p>
@return The starting date and time for the events, in UTC format (for example, "YYYY-MM-DD" T"HH:MM:SS").*/",
"getterMethodName" : "getStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "startTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, "YYYY-MM-DD" T"HH:MM:SS")</p>
@param startTime The starting date and time for the events, in UTC format (for example, "YYYY-MM-DD" T"HH:MM:SS").
@return Returns a reference to this object so that method calls can be chained together.*/"
The starting date and time for the events, in UTC format (for example, `YYYY-MM-DD HH:MM:SS`).

```java
public class YourClass {
    @param startTime The starting date and time for the events, in UTC format (for example, `YYYY-MM-DD HH:MM:SS`).
    @param nextToken Indicates whether there are more results.
    @return Returns a reference to this object so that method calls can be chained together.
}
```

```java
public class YourClass {
    @param LastEvaluatedTime The last date and time for the events, in UTC format (for example, `YYYY-MM-DD HH:MM:SS`).
    @param nextToken Indicates whether there are more results.
    @return Returns a reference to this object so that method calls can be chained together.
}
```
"getterMethodName" : "getLastEvaluatedTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LastEvaluatedTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "lastEvaluatedTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LastEvaluatedTime",
"setterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example,
<code>YYYY-MM-DD</code>T<code>HH:MM:SS</code>Z). All records up to this time were retrieved.</p> <p>If <code>nextToken</code> indicates that there are more results, this value is not present.</p>*/",
"setterMethodName" : "setLastEvaluatedTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "lastEvaluatedTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example,
<code>YYYY-MM-DD</code>T<code>HH:MM:SS</code>Z). All records up to this time were retrieved.</p> <p>If <code>nextToken</code> indicates that there are more results, this value is not present.</p>*/
"@param lastEvaluatedTime The last date and time for the events, in UTC format (for example,
<i>YYYY</i>-<i>MM</i>-<i-DD</i>-<i>HH</i>:<i-MM</i>-<i>SS</i>-<i>Z</i>). All records up to this time were retrieved.<p>
If <code>nextToken</code> indicates that there are more results, this value is not present.

@returns Returns a reference to this object so that method calls can be chained together.*/

    variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "lastEvaluatedTime",
    "variableType" : "java.util.Date",
    "documentation" : "The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i-DD</i>-<i>HH</i>:<i-MM</i>-<i>SS</i>-<i>Z</i>). All records up to this time were retrieved.<p>
If <code>nextToken</code> indicates that there are more results, this value is not present.</p>

    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "HistoryRecords",
"c2jShape" : "HistoryRecords",
"deprecated" : false,
"documentation" : "Information about the events in the history of the Spot fleet request.<p>

    "enumType" : null,
    "fluentSetterDocumentation" : "Information about the events in the history of the Spot fleet request.<p>

    @returns Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withHistoryRecords",
    "getterDocumentation" : "Information about the events in the history of the Spot fleet request.<p>

    @returns Information about the events in the history of the Spot fleet request.<p>

    "getterMethodName" : "getHistoryRecords",
    "getterModel" : {
    "returnType" : "java.util.List<HistoryRecord>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HistoryRecordSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "historyRecordSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "HistoryRecord",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "HistoryRecord",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "HistoryRecord",
      "variableName" : "member",
      "variableType" : "HistoryRecord",
      "documentation" : "",
      "simpleType" : "HistoryRecord",
      "variableSetterType" : "HistoryRecord"
    }
  }
}
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "HistoryRecord",
  "variableName" : "member",
  "variableType" : "HistoryRecord",
  "documentation" : "",
  "simpleType" : "HistoryRecord",
  "variableSetterType" : "HistoryRecord"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "HistoryRecord",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HistoryRecord",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"templateType" : "java.util.List<HistoryRecord>"
},
"map" : false,
"mapModel" : null,
"name" : "HistoryRecords",
"setterDocumentation" : "/**<p>Information about the events in the history of the Spot fleet request.</p>
@param historyRecords Information about the events in the history of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setHistoryRecords",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
  "variableName" : "historyRecords",
  "variableType" : "java.util.List<HistoryRecord>",
  "documentation" : "",
  "simpleType" : "List<HistoryRecord>",
  "variableSetterType" : "java.util.Collection<HistoryRecord>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the events in the history of the Spot fleet request.</p>
@param historyRecords Information about the events in the history of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
  "variableName" : "historyRecords",
  "variableType" : "java.util.List<HistoryRecord>",
  "documentation" : "",
  "simpleType" : "List<HistoryRecord>",
  "variableSetterType" : "java.util.Collection<HistoryRecord>"
"variableName" : "historyRecords",
"variableType" : "java.util.List<HistoryRecord>",
"documentation" : "<p>Information about the events in the history of the Spot fleet request.</p>",
"simpleType" : "List<HistoryRecord>",
"variableSetterType" : "java.util.Collection<HistoryRecord>"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.<p></p><p>@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",}
"setterDocumentation" : "/**
The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p><param nextToken
The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p><param nextToken
The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : 
  "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n</p>
  "@return
  Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "HistoryRecords" : {
    "c2jName" : "HistoryRecords",
    "c2jShape" : "HistoryRecords",
    "deprecated" : false,
    "documentation" : "<p>Information about the events in the history of the Spot fleet request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
Information about the events in the history of the Spot fleet request.

@param historyRecords
Information about the events in the history of the Spot fleet request.

@return
Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withHistoryRecords",
    "getterDocumentation" : "/**
Information about the events in the history of the Spot fleet request.

@param historyRecords

@return
Information about the events in the history of the Spot fleet request. */",
    "getterMethodName" : "getHistoryRecords",
    "getterModel" : {
      "returnType" : "java.util.List<HistoryRecord>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
    }
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HistoryRecordSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "historyRecordSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "HistoryRecord",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "HistoryRecord",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "HistoryRecord",
  "variableName" : "member",
  "variableType" : "HistoryRecord",
  "documentation" : "",
  "simpleType" : "HistoryRecord",
  "variableSetterType" : "HistoryRecord"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "HistoryRecord",
  "variableName" : "member",
  "variableType" : "HistoryRecord",
  "documentation" : "",
  "simpleType" : "HistoryRecord",
  "variableSetterType" : "HistoryRecord"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "HistoryRecord",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HistoryRecord",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"templateType" : "java.util.List<HistoryRecord>"
},
"map" : false,
"mapModel" : null,
"name" : "HistoryRecords",
"setterDocumentation" : "/**<p>Information about the events in the history of the Spot fleet request.</p>
@param historyRecords Information about the events in the history of the Spot fleet request.</*/",
"setterMethodName" : "setHistoryRecords",
"setterModel" : {

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"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"variableName" : "historyRecords",
"variableType" : "java.util.List<HistoryRecord>",
"documentation" : "",
"simpleType" : "List<HistoryRecord>",
"variableSetterType" : "java.util.Collection<HistoryRecord>
}
,"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the events in the history of the Spot fleet request.</p>

NOTE: This method appends the values to the existing list (if any). Use {@link #setHistoryRecords(java.util.Collection)} or {@link #withHistoryRecords(java.util.Collection)} if you want to override the existing values.*/

@param historyRecords Information about the events in the history of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
  "variableName" : "historyRecords",
  "variableType" : "java.util.List<HistoryRecord>",
  "documentation" : "<p>Information about the events in the history of the Spot fleet request.</p>

"simpleType" : "List<HistoryRecord>",
"variableSetterType" : "java.util.Collection<HistoryRecord>
},
"xmlNameSpaceUri" : null
},
"LastEvaluatedTime" : {
  "c2jName" : "LastEvaluatedTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>
<p>If <code>nextToken</code> indicates that there are more results, this value is not present.</p>

@<p>return Returns a reference to this object so that method calls can be chained together.*/

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>

@<p>return Returns a reference to this object so that method calls can be chained together.*/

"getterDocumentation" : "<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>

@<p>return Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getLastEvaluatedTime",
"getterMethodModel" : {
  "returnType" : "java.util.Date",
  "getterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>

@<p>return Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getLastEvaluatedTime",
"getterMethodModel" : {
  "returnType" : "java.util.Date",
  "getterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>

@<p>return Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getLastEvaluatedTime",
"getterMethodModel" : {
  "returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LastEvaluatedTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "lastEvaluatedTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LastEvaluatedTime",
"setterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example, "YYYY-MM-DD'THH:MM:SSZ"). All records up to this time were retrieved.</p> If <code>nextToken</code> indicates that there are more results, this value is not present. */",
"setterMethodName" : "setLastEvaluatedTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "lastEvaluatedTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example, "YYYY-MM-DD'THH:MM:SSZ"). All records up to this time were retrieved.</p> If <code>nextToken</code> indicates that there are more results, this value is not present. */

"variable" : {
  "variableDeclarationType" : "java.util.Date"
"variableName": "lastEvaluatedTime",
"variableType": "java.util.Date",
"documentation": "<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>
If <code>nextToken</code> indicates that there are more results, this value is not present.
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"NextToken": {
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.
"enumType": null,
"fluentSetterDocumentation": "The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.
\n@returns The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.
\n@param nextToken The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.
\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.
\n\@returns The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.*/",
"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
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    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"vararg" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.

    "xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
    "c2jName" : "SpotFleetRequestId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the Spot fleet request.

    "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
    @param spotFleetRequestId The ID of the Spot fleet request.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSpotFleetRequestId",
    "getterDocumentation" : "The ID of the Spot fleet request.

    "getterMethodName" : "getSpotFleetRequestId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe ID of the Spot fleet request.\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StartTime" : {
  "c2jName" : "StartTime",}
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStartTime",
"getterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@return The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/",
"getterMethodName" : "getStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "startTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "start_time",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date"}
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "<!--[*/<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD HH:MM:SS</i>).@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD HH:MM:SS</i>).@return Returns a reference to this object so that method calls can be chained together.*/]-->
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "The starting date and time for the events, in UTC format (for example, "YYYY-MM-DD HH:MM:SS").",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "StartTime", "LastEvaluatedTime", "HistoryRecords" ],
"shapeName" : "DescribeSpotFleetRequestHistoryResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"wrapper" : false
},
"DescribeSpotFleetRequestsRequest" : {
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
  },
  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  "customization" : {
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  "customization" : {
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  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  "customization" : {
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  "customization" : {
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  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  },
  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  "c2jName" : "DescribeSpotFleetRequestsRequest",
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  "c2jName" : "DescribeSpotFleetRequestsRequest",
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  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
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  },
  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
  },
  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
  },
  "artificialResultWrapper" : null,
  "c2jName" : "DescribeSpotFleetRequestsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
  },
  "artificialResultWrapper" : null,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeSpotFleetRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeSpotFleetRequests",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "SpotFleetRequestIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
"getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@return The IDs of the Spot fleet requests.*/",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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"members" : [ {
"c2jName" : "SpotFleetRequestIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
"getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@return The IDs of the Spot fleet requests.*/",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"hasStatusCodeMember" : false,
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"requestUri" : "/",
"target" : null,
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@param spotFleetRequestIds
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
"getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@return The IDs of the Spot fleet requests.*/",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
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"verb" : "POST",
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"c2jShape" : "ValueStringList",
"deprecated" : false,
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"enumType" : null,
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@param spotFleetRequestIds
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
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@return The IDs of the Spot fleet requests.*/",
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"returnType" : "java.util.List<String>",
"documentation" : null
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"isStreaming" : false,
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"hasStatusCodeMember" : false,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
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     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
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    "getterDocumentation": "/**
     * @return */",
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      "documentation": null
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    "map": false,
    "mapModel": null,
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    "setterDocumentation": "/**
     * @param member */",
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    "setterModel": {
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      "variableName": "member",
      "variableType": "null"
    }
  }
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  "additionalUnmarshallingPath": null,
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  "isStreaming": false,
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"mapModel": null,
"name": "Member",
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     * @param member */",
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  "variableName": "member",
  "variableType": "null"
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String" ])
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"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType" : "String",
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 "variableSetterType" : "String"
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"templateType" : "java.util.List<String>"
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"map" : false,
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"setterDocumentation" : "/**
<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds The IDs of the Spot fleet requests.*/",
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"setterModel" : {
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 "variableName" : "spotFleetRequestIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>The IDs of the Spot fleet requests.</p>

\textbf{NOTE:} This method appends the values to the existing list (if any). Use \{@link #setSpotFleetRequestIds(java.util.Collection)\} or \{@link #withSpotFleetRequestIds(java.util.Collection)\} if you want to override the existing values.*/"
spotFleetRequestIds The IDs of the Spot fleet requests.

@Return Returns a reference to this object so that method calls can be chained together.

	"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "spotFleetRequestIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of the Spot fleet requests.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
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"variable" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of results.</p>
@return The token for the next set of results.
*/",
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    "documentation" : null
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    "greedy" : false,
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    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "NextToken",
"setterDocumentation": "/**\n* The token for the next set of results.
* @param nextToken The token for the next set of results.
*/",
"setterMethodName": "setNextToken",
"setterModel": {
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  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n* The token for the next set of results.
* @param nextToken The token for the next set of results.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType": "String",
  "documentation": "The token for the next set of results.
",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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  "c2jName": "MaxResults",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n* The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
* @param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName": "withMaxResults",
  "getterDocumentation": "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
",
  "getterMethodName": "getMaxResults",
  "getterModel": {
    "returnType": "Integer",
  }
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"documentation": null,
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. */
\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "setterModel": {
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    "variableName": "maxResults",
    "variableType": "Integer",
    "documentation": "",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableName": "maxResults",
    "variableType": "Integer"
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"documentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {
"MaxResults" : {
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\<p>*/\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"enumType" : null,
"fluentSetterDocumentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false}
@return The token for the next set of results.

**setterDocumentation**:

```java
/**
 * The token for the next set of results.
 */

@Setter
private String nextToken;
```

**getterDocumentation**:

```java
/**
 * The token for the next set of results.
 */

public String getNextToken()
```

**getterModel**:

- `returnType`: String
- `documentation`: null

**http**:

- `additionalMarshallingPath`: null
- `additionalUnmarshallingPath`: null
- `flattened`: false
- `greedy`: false
- `header`: false
- `isPayload`: false
- `isStreaming`: false
- `location`: null
- `marshallLocationName`: NextToken
- `queryString`: false
- `statusCode`: false
- `unmarshallLocationName`: nextToken
- `uri`: false

**idempotencyToken**: false

**list**: false

**listModel**: null

**map**: false

**mapModel**: null

**name**: NextToken

**setterDocumentation**:

```java
/**
 * The token for the next set of results.
 */

public void setNextToken(String nextToken)
```

**setterModel**:

- `variableDeclarationType`: String
- `variableName`: nextToken
- `variableType`: String
- `documentation`: null
- `simpleType`: String
- `variableSetterType`: String

**simple**: true

**varargSetterDocumentation**:

```java
/**
 * The token for the next set of results.
 */

@Param
public void setNextToken(String vararg nextToken)
```

**variable**:

- `variableDeclarationType`: String
- `variableName`: nextToken

"variableType" : "String",
"documentation" : "<p>The token for the next set of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"SpotFleetRequestIds" : {
"c2jName" : "SpotFleetRequestIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The IDs of the Spot fleet requests.</p>@param spotFleetRequestIds
The IDs of the Spot fleet requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
"getterDocumentation" : "/*<p>The IDs of the Spot fleet requests.</p>@return The IDs of the Spot fleet requests.*/",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
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"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"map" : false,
"mapModel" : null,
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@param member */",
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"setterModel" : {
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"variableName" : "member",
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"documentation" : "",
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
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@return Returns a reference to this object so that method calls can be chained together. */",
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"returnType" : "java.util.List<SpotFleetRequestConfig>",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestConfigSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "SpotFleetRequestConfig",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
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@param member
@return Returns a reference to this object so that method calls can be chained together */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "SpotFleetRequestConfig",
"documentation" : null
}
},
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "SpotFleetRequestConfig",
"variableName" : "member",
"variableType" : "SpotFleetRequestConfig",
"documentation" : "",
"simpleType" : "SpotFleetRequestConfig",
"variableSetterType" : "SpotFleetRequestConfig"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SpotFleetRequestConfig",
"variableName" : "member",
"variableType" : "SpotFleetRequestConfig",
"documentation" : "",
"simpleType" : "SpotFleetRequestConfig",
"variableSetterType" : "SpotFleetRequestConfig"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotFleetRequestConfig",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotFleetRequestConfig",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
"templateType" : "java.util.List<SpotFleetRequestConfig>",
"map" : false,
"mapModel" : null,
"name": "SpotFleetRequestConfigs",
"setterDocumentation": "**\nInformation about the configuration of your Spot fleet.*/",
"setterMethodName": "setSpotFleetRequestConfigs",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
  "variableName": "spotFleetRequestConfigs",
  "variableType": "java.util.List<SpotFleetRequestConfig>",
  "documentation": "",
  "simpleType": "List<SpotFleetRequestConfig>",
  "variableSetterType": "java.util.Collection<SpotFleetRequestConfig>"
},
"simple": false,
"varargSetterDocumentation": "**\nInformation about the configuration of your Spot fleet.\n\n**NOTE:** This method appends the values to the existing list (if any). Use [@link #setSpotFleetRequestConfigs(java.util.Collection)] or [@link #withSpotFleetRequestConfigs(java.util.Collection)] if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "spotFleetRequestConfigs",
  "variableType": "java.util.List<SpotFleetRequestConfig>",
  "documentation": "Information about the configuration of your Spot fleet.",
  "simpleType": "List<SpotFleetRequestConfig>",
  "variableSetterType": "java.util.Collection<SpotFleetRequestConfig>"
},
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\nreturns Returns a reference to this object so that method calls can be chained together.*/",
"enumType": null,
"fluentSetterDocumentation": "**\nThe token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\nreturns The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\nreturns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "**\nThe token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\nreturns The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\nreturns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getNextToken",
"getterModel": {
  "returnType": "String",
  "documentation": null
}.
"http": {  
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  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "NextToken",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "nextToken",  
  "uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "NextToken",  
"setterDocumentation": "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p><code>@param nextToken</code> The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</code>*/",  
"setterMethodName": "setNextToken",  
"setterModel": {  
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  "variableName": "nextToken",  
  "variableType": "String",  
  "documentation": "",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p><code>@param nextToken</code> The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</code>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",  
"variable": {  
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  "variableType": "String",  
  "documentation": "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",  
  "simpleType": "String",  
  "variableSetterType": "String"  
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"xmlNameSpaceUri": null
"usersAsMap" : {
  "id" : null,
  "membersAsMap" : {
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      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "The token required to retrieve the next set of results. This value is \<code\>null</code\> when there are no more results to return."",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\<p\>The token required to retrieve the next set of results. This value is \<code\>null</code\> when there are no more results to return.\</p\>\n\@param nextToken The token required to retrieve the next set of results. This value is \<code\>null</code\> when there are no more results to return.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withNextToken",
      "getterDocumentation" : "/**\<p\>The token required to retrieve the next set of results. This value is \<code\>null</code\> when there are no more results to return.\</p\>\n\@return The token required to retrieve the next set of results. This value is \<code\>null</code\> when there are no more results to return.*/",
      "getterMethodName" : "getNextToken",
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        "returnType" : "String",
        "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
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      "location" : null,
      "marshallLocationName" : "NextToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "nextToken",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "/**\<p\>The token required to retrieve the next set of results. This value is \<code\>null</code\> when there are no more results to return.\</p\>\n\@param nextToken The token required to retrieve the next set of results. This value is \<code\>null</code\> when there are no more results to return.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
  
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"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is<br/>null when there are no more results to return.<p/>
@param nextToken The token required to<br/>retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestConfigs" : {
  "c2jName" : "SpotFleetRequestConfigs",
  "c2jShape" : "SpotFleetRequestConfigSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the configuration of your Spot fleet.</p>
@param spotFleetRequestConfigs Information about the configuration of your Spot fleet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the configuration of your Spot fleet.</p>
@param spotFleetRequestConfigs Information about the configuration of your Spot fleet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotFleetRequestConfigs",
  "getterDocumentation" : "/**<p>Information about the configuration of your Spot fleet.</p>
@return Information about the configuration of your Spot fleet.*/",
  "getterMethodName" : "getSpotFleetRequestConfigs",
  "getterModel" : {
    "returnType" : "java.util.List<SpotFleetRequestConfig>",
    "documentation" : null
  }
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "member",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : "",
  "simpleType" : "SpotFleetRequestConfig",
  "variableSetterType" : "SpotFleetRequestConfig"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "member",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : "",
  "simpleType" : "SpotFleetRequestConfig",
  "variableSetterType" : "SpotFleetRequestConfig"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotFleetRequestConfig",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotFleetRequestConfig",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
"templateType" : "java.util.List<SpotFleetRequestConfig>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestConfigs",
"setterDocumentation" : "/**\nInformation about the configuration of your Spot fleet.
@param spotFleetRequestConfigs Information about the configuration of your Spot fleet.*/",
"setterMethodName" : "setSpotFleetRequestConfigs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
  "variableName" : "spotFleetRequestConfigs",
  "variableType" : "java.util.List<SpotFleetRequestConfig>",
  "documentation" : "",
  "simpleType" : "List<SpotFleetRequestConfig>",
  "variableSetterType" : "java.util.Collection<SpotFleetRequestConfig>"
NOTE: This method appends the values to the existing list (if any). Use @link
setSpotFleetRequestConfigs(java.util.Collection) or @link withSpotFleetRequestConfigs(java.util.Collection)
if you want to override the existing values.

@param spotFleetRequestConfigs Information about the configuration of your Spot fleet.

@return Returns a reference to this object so that method calls can be chained together.

/**
   Information about the configuration of your Spot fleet.
   NOTE: This method appends the values to the existing list (if any). Use @link
   setSpotFleetRequestConfigs(java.util.Collection) or @link withSpotFleetRequestConfigs(java.util.Collection)
   if you want to override the existing values.

   @param spotFleetRequestConfigs Information about the configuration of your Spot fleet.
   @return Returns a reference to this object so that method calls can be chained together.
*/

"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeSpotInstanceRequests",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "SpotInstanceRequestIds",
  "c2jShape" : "SpotInstanceRequestIdList",
  "deprecated" : false,
  "documentation" : "<p>One or more Spot instance request IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
 @param spotInstanceRequestIds One or more Spot instance request IDs.
 @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotInstanceRequestIds",
  "getterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
 @return One or more Spot instance request IDs.*/",
  "getterMethodName" : "getSpotInstanceRequestIds",
  "getterModel" : {
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    "documentation" : null
  },
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotInstanceRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SpotInstanceRequestId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SpotInstanceRequestId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
};
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SpotInstanceRequestId",
"memberType" : "String",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestIds",
"setterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@param spotInstanceRequestIds One or more Spot instance request IDs.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotInstanceRequestIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotInstanceRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
NOTE:<br/>This method appends the values to the existing list (if any). Use {@link #setSpotInstanceRequestIds(java.util.Collection)} or {@link #withSpotInstanceRequestIds(java.util.Collection)} if you want to override the existing values.<p>\n@param spotInstanceRequestIds One or more Spot instance request IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotInstanceRequestIds",
  "variableType" : "java.util.Collection<String>"}
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more Spot instance request IDs.</p>",
"complexType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
],
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
Amazon Elastic Compute Cloud User Guide. 

- The short code describing the most recent evaluation of your Spot instance request.
- The message explaining the status of the Spot instance request.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XX\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.
- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XX\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.
- One or more filters.
- The Availability Zone group.
- The time stamp when the Spot instance request was created.
- The fault code related to the request.
- The fault message related to the request.
- The ID of the instance that fulfilled the request.
- The Spot instance launch group.
- Whether monitoring is enabled for the Spot instance.
- The type of instance (for example, <code>m3.medium</code>).
- The kernel ID.
- The name of the key pair the instance launched with.
- Whether monitoring is enabled for the Spot instance.
- The ID of the network interface.
- The index of the device for the network interface attachment on the instance.
- The index of the device for the network interface attachment on the instance.
- The ID of the subnet for the instance.
- The primary private IP address of the network interface.
- The product description associated with the product.

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Indicates whether the network interface is deleted when the instance is terminated.</p> <li> <p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.group-name</code> - The name of the security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</p> </li> <li> <p> <code>product-description</code> - The product description associated with the instance.</p> </li> <li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> </li> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li> <p> <code>state</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>product-description</code> - The product description associated with the instance.</p> </li> <li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> </li> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li> <p> <code>state</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>open</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>active</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>closed</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>cancelled</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>failed</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>tag-type</code> - The type of Spot instance request.</p> </li> <li> <p> <code>valid-until</code> - The end date of the request.</p> </li> <li> <p> <code>created-by</code> - The created by associated with the instance.</p> </li> <li> <p> <code>resource-id</code> - The resource ID associated with the instance.</p> </li> <li> <p> <code>resource-name</code> - The resource name associated with the instance.</p> </li> <li> <p> <code>resource-type</code> - The resource type associated with the instance.</p> </li> <li> <p> <code>type</code> - The type of Spot instance request.</p> </li> <li> <p> <code>launch-block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>).</p> </li> <li> <p> <code>launch-block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>launch-block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> </li> <li> <p> <code>launch-block-device-mapping.volume-type</code> - The type of the Amazon EBS volume.</p> </li> <li> <p> <code>launch-block-device-mapping.volume-id</code> - The ID of the Amazon EBS volume.</p> </li> <li> <p> <code>launch-block-device-mapping.volume-type</code> - The type of the Amazon EBS volume.</p> </li> <li> <p> <code>launch-group-id</code> - The security group for the instance.</p> </li> <li> <p> <code>launch-instance-type</code> - The type of instance for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>launch-key-name</code> - The name of the key pair instance.
launched with.</p> </li> <li> <p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> </li> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</p> </li> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the instance.</p> </li> <li> <p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p> </li> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</p> </li> <li> <p> <code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</p> </li> <li> <p> <code>product-description</code> - The product description associated with the instance (<code>Linux/UNIX</code> | <code>Windows</code>).</p> </li> <li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> </li> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li> <p> <code>state</code> - The state of the Spot instance request (<code>open</code> | <code>active</code> | <code>closed</code> | <code>cancelled</code> | <code>failed</code>). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.</p> </li> <li> <p> <code>tag:Key</code>: <i>Value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code-tag-key</code>: <i>value</i> - The key of a tag assigned to the resource. This filter is independent of the <code-tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code-tag-value</code>: <i>value</i> filter.</p> </li> <li> <p> <code-type</code> - The type of Spot instance request (<code-one-time</code> | <code-persistent</code>).</p> </li> <li> <p> <code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.</p> </li> <li> <p> <code>valid-from</code> - The start date of the request.</p> </li> <li> <p> <code>valid-until</code> - The end date of the request.</p> </li> <li> <p> <code>availability-zone-group</code> - The Availability Zone group.</p> </li> <li> <p> <code>fault-code</code> - The fault code related to the request.</p> </li> <li> <p> <code>fault-message</code> - The fault message related to the request.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance that fulfilled the request.</p> </li> <li> <p> <code>launch-group</code> - The Spot instance launch group.</p> </li> <li> <p> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>launch.block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</p> </li> <li> <p> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> </li> <li> <p> <code>launch.block-device-mapping.device-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS.
SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic. 

- `<code>launch.group-id</code>` - The security group for the instance.
- `<code>launch.image-id</code>` - The ID of the AMI.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
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- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
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- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
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- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
- `<code>launch.ramdisk-id</code>` - The RAM disk ID.
- `<code>launch.instance-id</code>` - The ID of the instance.
- `<code>launch.instance-type</code>` - The type of instance (for example, `<code>m3.medium</code>`).
- `<code>launch.kernel-id</code>` - The kernel ID.
- `<code>launch.key-name</code>` - The name of the key pair the instance launched with.
- `<code>launch.monitoring-enabled</code>` - Whether monitoring is enabled for the Spot instance.
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    "getterDocumentation": "/\*\n@\nreturn @*/\*",
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    "variableSetterType" : "Filter"
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<li><p>create-time</p></li>
<li><p>fault-code</p></li>
<li><p>fault-message</p></li>
</ul> - The Availability Zone group. <p><li><p>create-time</p></li>
- The time stamp when the Spot instance request was created. <p><li><p>fault-code</p></li>
- The fault code related to the request. <p><li><p>fault-message</p></li>
- The fault message related to the request.
<p>The ID of the instance that fulfilled the request.</p>

- **<code>instance-id</code>**

- **<code>launch-group</code>** - The Spot instance launch group.

- **<code>launch.block-device-mapping.delete-on-termination</code>** - Indicates whether the Amazon EBS volume is deleted on instance termination.

- **<code>launch.block-device-mapping.device-name</code>** - The device name for the Amazon EBS volume (for example, `<code>/dev/sdh</code>`).

- **<code>launch.block-device-mapping.snapshot-id</code>** - The ID of the snapshot used for the Amazon EBS volume.

- **<code>launch.block-device-mapping.volume-size</code>** - The size of the Amazon EBS volume, in GiB.

- **<code>launch.block-device-mapping.volume-type</code>** - The type of the Amazon EBS volume:

  - `<code>gp2</code>` for General Purpose SSD,
  - `<code>io1</code>` for Provisioned IOPS SSD,
  - `<code>st1</code>` for Throughput Optimized HDD,
  - `<code>sc1</code>` for Cold HDD,
  - `<code>standard</code>` for Magnetic.

- **<code>launch.image-id</code>** - The ID of the AMI.

- **<code>launch.group-id</code>** - The security group for the instance.

- **<code>launch.instance-type</code>** - The type of instance (for example, `<code>m3.medium</code>`).

- **<code>launch.key-name</code>** - The name of the key pair the instance launched with.

- **<code>launch.kernel-id</code>** - The kernel ID.

- **<code>launch.terminated-instance-id</code>** - The ID of the instance that was terminated.


- **<code>launch.network-interface.association-subnet-id</code>** - The ID of the subnet for the network interface attachment.

- **<code>launch.network-interface.delete-on-termination</code>** - Indicates whether the network interface is deleted when the instance is terminated.


- **<code>launch.network-interface.private-ip-address</code>** - The primary private IP address of the network interface.

- **<code>launch.price</code>** - The maximum hourly price for any Spot instance launched to fulfill the request.

<p><code>valid-from</code> - The start date of the request.</p>
<p><code>valid-until</code> - The end date of the request.</p>
<p><code>availability-zone-group</code> - The Availability Zone group.</p>
<p><code>create-time</code> - The time stamp when the Spot instance request was created.</p>
<p><code>fault-code</code> - The fault code related to the request.</p>
<p><code>instance-id</code> - The ID of the instance that fulfilled the request.</p>
<p><code>launch-group</code> - The Spot instance launch group.</p>
<p><code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p>
<p><code>launch.block-device-mapping.size</code> - The size of the Amazon EBS volume, in GiB.</p>
<p><code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</p>
<p><code>launch.group-id</code> - The security group for the instance.</p>
<p><code>launch.image-id</code> - The ID of the AMI.</p>
<p><code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>
<p><code>launch.kernel-id</code> - The kernel ID.</p>
<p><code>launch.key-name</code> - The name of the key pair the instance launched with.</p>
<p><code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p>
<p><code>launch.ramdisk-id</code> - The RAM disk ID.</p>
<p><code>network.interface-network-interface-id</code> - The ID of the network interface.</p>
<p><code>network.interface-device-index</code> - The index of the device for the network interface attachment on the instance.</p>
<p><code>network.interface.subnet-id</code> - The ID of the subnet for the instance.</p>
<p><code>network.interface.description</code> - A description of the network interface.</p>
<p><code>network.interface.private-ip-address</code> - The primary private IP address of the network interface.</p>
<p><code>network.interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p>
<p><code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</p>
<p><code>network-interface.group-name</code> - The name of the security group associated with the network interface.</p>
<p><code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</p>
<p><code>product-description</code> - The product description associated with the instance (<code>Linux/UNIX</code> | <code>Windows</code>). The Spot instance request ID.</p>
<p><code>spot-instance-request-id</code> - The Spot instance request ID.</p>
<p><code>state</code> - The state of the Spot instance request.</p>
<p><code>tag:Key</code>:<i>Value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
<p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XV", you get any resources assigned the tag key Purpose (regardless of what the tag's value is), and the tag value X.
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(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
*<code>tag</code>:<code>tag-value</code> filter.*

<ul>
    <li><code>type</code> - The type of Spot instance request (</li>
    <li><code>one-time</code> | <code>persistent</code>).</li>
    <li><code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.</li>
    <li><code>valid-from</code> - The start date of the request.</li>
    <li><code>valid-until</code> - The end date of the request.</li>
</ul>

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    "variableSetterType" : "java.util.Collection<Filter>
    
    "simple" : false,
    "varargSetterDocumentation" : "/** One or more filters. */
    "availability-zone-group" - The Availability Zone group.</li>
    <li><code>create-time</code> - The time stamp when the Spot request was created.</li>
    <li><code>fault-code</code> - The fault code related to the request.</li>
    <li><code>fault-message</code> - The fault message related to the request.</li>
    <li><code>instance-id</code> - The ID of the instance that fulfilled the request.</li>
    <li><code>launch-group</code> - The Spot instance launch group.</li>
    <li><code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</li>
    <li><code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>).<li>
    <li><code>launch.block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</li>
    <li><code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</li>
    <li><code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</li>
    <li><code>launch.group-id</code> - The security group for the instance.</li>
    <li><code>launch.image-id</code> - The ID of the AMI.</li>
    <li><code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).<li>
    <li><code>launch.kernel-id</code> - The kernel ID.</li>
    <li><code>launch.key-name</code> - The name of the key pair the instance launched with.</li>
    <li><code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</li>
    <li><code>launch.ramdisk-id</code> - The RAM disk ID.</li>
    <li><code>network-interface.network-interface-id</code> - The ID of the network interface.</li>
    <li><code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</li>
    <li><code>network-interface.subnet-id</code> - The ID of the subnet for the instance.</li>
    <li><code>network-interface.description</code> - A description of the network interface.</li>
    <li><code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</li>
    <li><code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</li>
    <li><code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</li>
    <li><code>network-interface.group-name</code> - The name of the security group associated with the network interface.</li>
    <li><code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</li>
    <li><code>product-description</code> - The product description associated with the
instance (<code>Linux/UNIX</code> | <code>Windows</code>). The Spot instance request ID.</p> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> <li> <p> <code>state</code> - The state of the Spot instance request (open | active | closed | cancelled | failed). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.</p> <ul> <li> <p> <code>create-time</code> - The time stamp when the Spot instance request was created.</p> <li> <p> <code>fault-code</code> - The fault code related to the request.</p> <li> <p> <code>fault-message</code> - The fault message related to the request.</p> <li> <p> <code>instance-id</code> - The ID of the instance that fulfilled the request.</p> <li> <p> <code>launch-group</code> - The Spot instance launch group.</p> <li> <p> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> <li> <p> <code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>). The device names for the Amazon EBS volume are <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic. The security group for the instance.</p> <li> <p> <code>launch.group-id</code> - The security group for the instance.</p> <li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</p> <li> <p> <code>network-interface.description</code> - A description of the network interface.
the network interface.</li> <li> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</li> <li> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</li> <li> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</li> <li> <code>network-interface.group-name</code> - The name of the security group associated with the network interface.</li> <li> <code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</li> <li> <code>product-description</code> - The product description associated with the instance (Linux/UNIX | Windows).</li> <li> <code>spot-instance-request-id</code> - The Spot instance request ID.</li> <li> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</li> <li> <code>state</code> - The state of the Spot instance request (open | active | closed | cancelled | failed). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see Spot Bid Status in the Amazon Elastic Compute Cloud User Guide.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Prod, specify <code>tag:Purpose</code> for the filter name and <code>Purpose=Prod</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=Prod", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Prod (regardless of what the tag's key is). If you want to list only resources where Purpose is Prod, see the <code>tag:Purpose</code> filter.</li> <li> <code>type</code> - The type of Spot instance request (one-time | persistent).</li> <li> <code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.</li> <li> <code>valid-from</code> - The start date of the request.</li> <li> <code>valid-until</code> - The end date of the request.</li>
</ul>
Throughput Optimized HDD, &lt;code&gt;sc1&lt;/code&gt; for Cold HDD, or &lt;code&gt;standard&lt;/code&gt; for Magnetic.  

- The ID of the AMI. 
- The type of instance (for example, &lt;code&gt;m3.medium&lt;/code&gt;). 
- The kernel ID. 
- The index of the device for the network interface attachment on the instance. 
- The ID of the subnet for the instance. 
- A description of the network interface. 
- The index of the key pair the instance launched with. 
- Whether monitoring is enabled for the Spot instance. 

- The security group for the instance. 
- The RAM disk ID. 
- The ID of the network interface. 
- The ID of the network interface attachment on the instance. 
- The primary private IP address of the network interface. 
- Indicates whether the network interface is deleted when the instance is terminated. 
- The ID of the security group associated with the network interface. 
- The name of the security group associated with the network interface. 
- Indicates whether the IP address is the primary private IP address. 
- The product description associated with the instance (Linux/UNIX | Windows). 
- The Spot instance request ID. 
- The maximum hourly price for any Spot instance launched to fulfill the request. 
- The short code describing the most recent evaluation of your Spot instance request. 
- The message explaining the status of the Spot instance request. 
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value. 
- The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \\
  "tag-key=Purpose" and the filter \\
  "tag-value=XL", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt; filter. 
- The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter. 
- The type of Spot instance request (one-time | persistent).
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.

- **availability-zone-group**: The Availability Zone group.<p></p>
- **create-time**: The time stamp when the Spot instance request was created.<p></p>
- **fault-code**: The fault code related to the request.<p></p>
- **fault-message**: The fault message related to the request.<p></p>
- **instance-id**: The ID of the instance that fulfilled the request.<p></p>
- **launch-group**: The Spot instance launch group.<p></p>
- **launch.block-device-mapping.delete-on-termination**: Indicates whether the Amazon EBS volume is deleted on instance termination.<p></p>
- **launch.block-device-mapping.device-name**: The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>).<p></p>
- **launch.block-device-mapping.volume-size**: The size of the Amazon EBS volume, in GiB.<p></p>
- **launch.block-device-mapping.volume-type**: The type of the Amazon EBS volume:
  - <code>gp2</code> for General Purpose SSD,
  - <code>io1</code> for Provisioned IOPS SSD,
  - <code>st1</code> for Throughput Optimized HDD,
  - <code>sc1</code> for Cold HDD, or
  - <code>standard</code> for Magnetic.<p></p>
- **launch.group-id**: The security group for the instance.<p></p>
- **launch.image-id**: The ID of the AMI.<p></p>
- **launch.instance-type**: The type of instance (for example, <code>m3.medium</code>).<p></p>
- **launch.key-name**: The name of the key pair the instance launched with.<p></p>
- **launch.monitoring-enabled**: Whether monitoring is enabled for the Spot instance.<p></p>
- **launch.block-device-mapping.block-device-name**: The RAM disk ID.<p></p>
- **launch.block-device-mapping.device-name**: The type of the device for the network interface attachment on the instance.<p></p>
- **launch.block-device-mapping.subnet-id**: The ID of the subnet for the instance.<p></p>
- **launch.block-device-mapping.description**: A description of the network interface.<p></p>
- **launch.block-device-mapping.private-ip-address**: The primary private IP address of the network interface.<p></p>
- **launch.block-device-mapping.delete-on-termination**: Indicates whether the network interface is deleted when the instance is terminated.<p></p>
- **network-interface.network-interface-id**: The ID of the security group associated with the network interface.<p></p>
- **network-interface.network-interface-group-id**: The ID of the security group associated with the network interface.<p></p>
- **network-interface.network-interface-group-name**: The name of the security group associated with the network interface.<p></p>
- **network-interface.network-interface-attributes.primary**: Indicates whether the IP address is the primary private IP address.<p></p>
- **product-description**: The product description associated with the instance (Linux/UNIX | Windows).<p></p>
- **spot-instance-request-id**: The Spot instance request ID.<p></p>
- **spot-price**: The maximum hourly price for any Spot instance launched to fulfill the request.<p></p>
- **state**: The state of the Spot instance request (open | active | closed | cancelled | failed). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.<p></p>
value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>: <i>tag-key</i>/<i>tag-value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code>/</i>tag-value</code> filter.</p> <li> <i>tag-value</i> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code>/</i>tag-value</code> filter.</li> <li> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). The Availability Zone in which the bid is launched.</p> <li> <i>valid-from</i> - The start date of the request.</p> <li> <i>valid-until</i> - The end date of the request.</li>

"enumType" : null,
price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> <li> <p> <code>state</code> - The state of the Spot instance request ("open" | "active" | "closed" | "cancelled" | "failed"). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html"&gt;Spot Bid Status&lt;/a&gt; in the Amazon Elastic Compute Cloud User Guide.</p> <li> <p> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). The availability zone in which the bid is launched.</p> <li> <p> <code>valid_from</code> - The start date of the request.</p> <li> <p> <code>valid_until</code> - The end date of the request.</p> </li> </ul> <p>/*</p> <p>"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : 
interface.</p> <li><p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p> </li> <li><p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</p> </li> <li><p> <code>network-interface.group-name</code> - The name of the security group associated with the network interface.</p> </li> <li><p> <code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</p> </li> <li><p> <code>product-description</code> - The product description associated with the instance (Linux/UNIX | Windows).</p> </li> <li><p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> </li> <li><p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li><p> <code>state</code> - The state of the Spot instance request (open | active | closed | cancelled). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see Spot Bid Status/a in the Amazon Elastic Compute Cloud User Guide.</p> </li> <li><p> <code>tag:Key</code> - The key/value pair of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, to tag Purpose=X, specify <code>tag:Key=Purpose</code> for the filter name and <code>Value=X</code> for the filter value.</p> </li> <li><p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag:key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Key=Purpose</code> filter.</p> </li> <li><p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li><p> <code>type</code> - The type of Spot instance request (one-time | persistent).</p> </li> <li><p> <code>launched-availability-zone</code> - The Availability Zone in which the instance has been launched.</p> </li> <li><p> <code>launch-group</code> - The Spot instance launch group.</p> </li> <li><p> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li> <li><p> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> </li> <li><p> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: gp2 for General Purpose SSD, io1 for Provisioned IOPS SSD, st1 for Throughput Optimized HDD, sc1 for Cold HDD, or standard for Magnetic.</p> </li> <li><p> <code>launch.group-id</code> - The security group for the instance.</p> </li> <li><p> <code>launch.image-id</code> - The ID of the AMI.</p> </li> <li><p> <code>launch.instance-type</code> - The type of instance (for example, m3.medium).</p> </li> <li><p> <code>launch.kernel-id</code> - The kernel ID.</p> </li> <li><p> <code>launch.key-name</code> - The name of the key pair the instance launched with.</p> </li> <li><p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> </li> <li><p> <code>launch.ramdisk-id</code> - The
<p>RAM disk ID.</p> <li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</p> </li> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the instance.</p> </li> <li> <p> <code>network-interface.description</code> - A description of the network interface.</p> </li> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</p> </li> <li> <p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p> </li> <li> <p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.group-name</code> - The name of the security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.addresses.primary</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li> <p> <code>product-description</code> - The product description associated with the instance (Linux/UNIX | Windows).</p> </li> <li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> </li> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li> <p> <code>state</code> - The state of the Spot instance request (open | active | closed | cancelled | failed). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a>.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>type</code> - The type of Spot instance request (one-time | persistent).</p> </li> <li> <p> <code>valid-from</code> - The start date of the request.</p> </li> <li> <p> <code>valid-until</code> - The end date of the request.</p> </li>
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The type of the Amazon EBS volume:
<code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.

- The type of instance (for example, <code>m3.medium</code>):
- The security group for the instance:
- The name of the key pair the instance launched with:
- Whether monitoring is enabled for the Spot instance:
- The index of the device for the network interface attachment on the instance:
- The ID of the subnet for the instance:
- A description of the network interface:
- The primary private IP address of the network interface:
- Indicates whether the network interface is deleted when the instance is terminated:
- The ID of the security group associated with the network interface:
- The name of the security group associated with the network interface:
- Indicates whether the IP address is the primary private IP address:
- The product description associated with the instance:
- The Spot instance request ID:
- The maximum hourly price for any Spot instance launched to fulfill the request:
- The state of the Spot instance request:
- The status code describing the most recent evaluation of your Spot instance request:
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=\textit{X}, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value:
- The value of a tag assigned to the resource. This filter is independent of the <code>tag:tag-key</code> filter. For example, if you use both the filter "\textit{tag-key}=\textit{Purpose}" and the filter "\textit{tag-value}=\textit{X}", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key=\textit{Purpose}</code> filter.
<code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.
</li></ul>
- The device name for the Amazon EBS volume (for example, <code>dev/sdb</code>).<p></li></ul>
</li><p></p><code>launch.block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.<p></li></ul>
- The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.<p></li></ul>
- The security group for the instance.<p></li></ul>
- The ID of the AMI.<p></li></ul>
- The type of instance (for example, <code>m3.medium</code>).<p></li></ul>
- The kernel ID.<p></li></ul>
- The ID of the network interface.<p></li></ul>
- The index of the device for the network interface attachment on the instance.<p></li></ul>
- The ID of the subnet for the instance.<p></li></ul>
- A description of the network interface.<p></li></ul>
- The primary private IP address of the network interface.<p></li></ul>
- Indicates whether the network interface is deleted when the instance is terminated.<p></li></ul>
- The ID of the security group associated with the network interface.<p></li></ul>
- The name of the security group associated with the network interface.<p></li></ul>
- Indicates whether the IP address is the primary private IP address.<p></li></ul>
- The product description associated with the instance (<code>Linux/UNIX</code> | <code>Windows</code>).<p></li></ul>
- The Spot instance request ID.<p></li></ul>
- The maximum hourly price for any Spot instance launched to fulfill the request.<p></li></ul>
- The state of the Spot instance request (open | active | closed | cancelled | failed). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html" Spot Bid Status in the Amazon Elastic Compute Cloud User Guide. <p></li></ul>
- The short code describing the most recent evaluation of your Spot instance request. <p></li></ul>
- The message explaining the status of the Spot instance request. <p></li></ul>
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. <p></li></ul>
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \tag-key\" and the filter \tag-value\"X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<p></li></ul>
- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. <p></li></ul>
- The type of Spot instance request (one-time | persistent). <p></li></ul>
- The Availability Zone in which the bid is launched. <p></li></ul>
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
</ul>
Amazon Elastic Compute Cloud User Guide.</p> <li> <p> <code>status-code</code> - The short code describing the most recent evaluation of your Spot instance request. </p> <li> <p> <code>status-message</code> - The message explaining the status of the Spot instance request. </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> <li> <p> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). </p> <li> <p> <code>valid-until</code> - The end date of the request. </p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection) or [@link #withFilters(java.util.Collection) if you want to override the existing values. </p> <li> <p> <code>availability-zone-group</code> - The Availability Zone group. </p> <li> <p> <code>create-time</code> - The time stamp when the Spot instance request was created. </p> <li> <p> <code>fault-code</code> - The fault code related to the request. </p> <li> <p> <code>fault-message</code> - The fault message related to the request. </p> <li> <p> <code>instance-id</code> - The ID of the instance that fulfilled the request. </p> <li> <p> <code>launch-group</code> - The Spot instance launch group. </p> <li> <p> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination. </p> <li> <p> <code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>). </p> <li> <p> <code>launch.block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume, in GiB. </p> <li> <p> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB. </p> <li> <p> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic. </p> <li> <p> <code>launch.group-id</code> - The security group for the instance. </p> <li> <p> <code>launch.image-id</code> - The ID of the AMI. </p> <li> <p> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>). </p> <li> <p> <code>launch.kernel-id</code> - The kernel ID. </p> <li> <p> <code>launch.key-name</code> - The name of the key pair the instance launched with. </p> <li> <p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance. </p> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID. </p> <li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface. </p> <li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance. </p> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface. </p> <li> <p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated. </p> <li> <p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface. </p> <li> <p> <code>network-interface.group-name</code> - The name of the security group associated with the network interface. </p> <li> <p> <code>network-interface.addresses.private</code> - Indicates whether the IP address is the primary private IP address. }
</li> <li> <p> <code>product-description</code> - The product
description associated with the instance (code>Linux/UNIX</code> | code>Windows</code>). 

- The Spot instance request ID.
- The state of the Spot instance request (code>open</code> | code>active</code> | code>closed</code> | code>cancelled</code> | code>failed</code>). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html"&gt;Spot Bid Status&lt;/a&gt; in the Amazon Elastic Compute Cloud User Guide.

- The short code describing the most recent evaluation of your Spot instance request.
- The message explaining the status of the Spot instance request.
- The state of the Spot instance request (<code>open</code> | <code>active</code> | <code>closed</code> | <code>cancelled</code> | <code>failed</code>). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html"&gt;Spot Bid Status&lt;/a&gt; in the Amazon Elastic Compute Cloud User Guide.

- The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).<br>
- The Availability Zone in which the bid is launched.
- The end date of the request.

@return Returns a reference to this object so that method calls can be chained together.

```java

```
<code>network-interface.network-interface-id</code> - The ID of the network interface.

<code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.

<code>network-interface.subnet-id</code> - The ID of the subnet for the instance.


<code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.

<code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.

<code>network-interface.group-id</code> - The ID of the security group associated with the network interface.

<code>network-interface.group-name</code> - The name of the security group associated with the network interface.

<code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.

<code>product-description</code> - The product description associated with the instance.

<code>spot-instance-request-id</code> - The Spot instance request ID.

<code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.


<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).
"fluentSetterMethodName" : "withSpotInstanceRequestIds",
"getterDocumentation" : "/**\n One or more Spot instance request IDs.\n*/\n\n@return One or more Spot instance request IDs.*!",
"getterMethodName" : "getSpotInstanceRequestIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotInstanceRequestIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SpotInstanceRequestIds",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n @param member \n@return Returns a reference to this object so that method calls can be chained together.*!",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n @return *
",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SpotInstanceRequestId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SpotInstanceRequestId",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "SpotInstanceRequestId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String"
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"simpleType" : "List<String>",

"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestIds",
"setterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@param spotInstanceRequestIds One or more Spot instance request IDs.*/",
"setterMethodName" : "setSpotInstanceRequestIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotInstanceRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
"simple" : false,
"varargSetterDocumentation" : "*/<p>One or more Spot instance request IDs.</p>
<param spotInstanceRequestIds One or more Spot instance request IDs.*/ This method appends the values to the existing list (if any). Use {@link #setSpotInstanceRequestIds(java.util.Collection)} or {@link #withSpotInstanceRequestIds(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*="/b>",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotInstanceRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more Spot instance request IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
"xmlNameSpaceUri" : null

,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSpotInstanceRequestsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeSpotInstanceRequestsRequest",
  "variableName" : "describeSpotInstanceRequestsRequest",
  "variableType" : "DescribeSpotInstanceRequestsRequest",
  "documentation" : null,
  "simpleType" : "DescribeSpotInstanceRequestsRequest",
  "variableSetterType" : "DescribeSpotInstanceRequestsRequest"
}
"wrapper" : false
"DescribeSpotInstanceRequestsResult" : {
    "c2jName" : "DescribeSpotInstanceRequestsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeSpotInstanceRequests.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
        {
            "c2jName" : "SpotInstanceRequests",
            "c2jShape" : "SpotInstanceRequestList",
            "deprecated" : false,
            "documentation" : "<p>One or more Spot instance requests.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@param spotInstanceRequests One or more Spot instance requests
@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withSpotInstanceRequests",
            "getterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@return One or more Spot instance requests.*/",
            "getterMethodName" : "getSpotInstanceRequests",
            "getterModel" : {
                "returnType" : "java.util.List<SpotInstanceRequest>",
                "documentation" : null
            }
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "SpotInstanceRequestSet",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "spotInstanceRequestSet",
            "marshallingLocationName" : "SpotInstanceRequestSet",
            "unmarshallingLocationName" : "SpotInstanceRequestSet"
        }
    }
}
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SpotInstanceRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "SpotInstanceRequest",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SpotInstanceRequest",
  "variableName" : "member";
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"variableType" : "SpotInstanceRequest",
"documentation" : "",
"simpleType" : "SpotInstanceRequest",
"variableSetterType" : "SpotInstanceRequest"
},
"simple" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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 "variableType" : "SpotInstanceRequest",
 "documentation" : "",
 "simpleType" : "SpotInstanceRequest",
 "variableSetterType" : "SpotInstanceRequest"
},
"xmlNameSpaceUri" : null
",
"memberLocationName" : "item",
"memberType" : "SpotInstanceRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotInstanceRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType" : "java.util.List<SpotInstanceRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequests",
"setterDocumentation" : "/**One or more Spot instance requests. *

@seeSpotInstanceRequests

One or more Spot instance requests.

@<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setSpotInstanceRequests(java.util.Collection)\} or \{ @link #withSpotInstanceRequests(java.util.Collection)\} if you want to override the existing

values.

```java
/**
 * @param spotInstanceRequests One or more Spot instance requests.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

private java.util.List<SpotInstanceRequest> spotInstanceRequests;

public java.util.List<SpotInstanceRequest> getSpotInstanceRequests() {
    return spotInstanceRequests;
}

public void setSpotInstanceRequests(java.util.List<SpotInstanceRequest> spotInstanceRequests) {
    this.spotInstanceRequests = spotInstanceRequests;
}
```
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SpotInstanceRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@returns A reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "SpotInstanceRequest",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n\n@returns */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "SpotInstanceRequest",
        "variableName" : "member",
        "variableType" : "SpotInstanceRequest",
        "documentation" : "",
        "simpleType" : "SpotInstanceRequest",
        "variableSetterType" : "SpotInstanceRequest"
    }
}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotInstanceRequest",
  "variableName" : "member",
  "variableType" : "SpotInstanceRequest",
  "documentation" : "",
  "simpleType" : "SpotInstanceRequest",
  "variableSetterType" : "SpotInstanceRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotInstanceRequest",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotInstanceRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType" : "java.util.List<SpotInstanceRequest>
}
,"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequests",
"setterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@param spotInstanceRequests One or more Spot instance requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotInstanceRequests",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
  "variableName" : "spotInstanceRequests",
  "variableType" : "java.util.List<SpotInstanceRequest>",
  "documentation" : "",
  "simpleType" : "List<SpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<SpotInstanceRequest>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@param spotInstanceRequests One or more Spot instance requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
  "variableName" : "spotInstanceRequests",
  "variableType" : "java.util.List<SpotInstanceRequest>",
  "documentation" : "",
  "simpleType" : "List<SpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<SpotInstanceRequest>"
"variableType" : "java.util.List<SpotInstanceRequest>",
"documentation" : "<p>One or more Spot instance requests.</p>",
"simpleType" : "List<SpotInstanceRequest>",
"variableSetterType" : "java.util.Collection<SpotInstanceRequest>"
},
"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSpotInstanceRequestsResult",
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
},
"variable" : {
 "variableDeclarationType" : "DescribeSpotInstanceRequestsResult",
 "variableName" : "describeSpotInstanceRequestsResult",
 "variableType" : "DescribeSpotInstanceRequestsResult",
 "documentation" : null,
 "simpleType" : "DescribeSpotInstanceRequestsResult",
 "variableSetterType" : "DescribeSpotInstanceRequestsResult"
},
"wrapper" : false
},
"DescribeSpotPriceHistoryRequest" : {
 "c2jName" : "DescribeSpotPriceHistoryRequest",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for DescribeSpotPriceHistory.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : {
 "action" : "DescribeSpotPriceHistory",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 5747"}
"xmlNameSpaceUri" : null,
"members" : [ {
"c2jName" : "StartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z)."",
"enumType" : null,
"fluentSetterDocumentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). @return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withStartTime",
"getterDocumentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). @return The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z)."
",
"getterMethodName" : "getStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "startTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"enumType" : null,
"fluentSetterDocumentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). @return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withStartTime",
"getterDocumentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). @return The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z)."
",
"getterMethodName" : "getStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "startTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime"}
"setterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>).\n@param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>).*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format, in (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>).\n@param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "setStartTime",
"getterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>).\n@param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getStartTime",
"getterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>).</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
}
}
price history data, in UTC format (for example, `<i>YYYY</i>`-`<i>MM</i>`-`<i>DD</i>`,`<i>HH</i>`:`<i>MM</i>`:`<i>SS</i>`Z`).</p>

```java
return The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, `<i>YYYY</i>`-`<i>MM</i>`-`<i>DD</i>`,`<i>HH</i>`:`<i>MM</i>`:`<i>SS</i>`Z`). */
```

"getterMethodName" : "getEndTime",
"getterModel" : {
 "returnType" : "java.util.Date",
 "documentation" : null
},

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "EndTime",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "endTime",
 "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EndTime",

"setterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving
the price history data, in UTC format (for example, `<i>YYYY</i>`-`<i>MM</i>`-`<i>DD</i>`,`<i>HH</i>`:`<i>MM</i>`:`<i>SS</i>`Z`).</p>

```java
@end Time The date and time, up to the current
date, from which to stop retrieving the price history data, in UTC format (for example, `<i>YYYY</i>`-`<i>MM</i>`-`<i>DD</i>`,`<i>HH</i>`:`<i>MM</i>`:`<i>SS</i>`Z`). */
```

"setterMethodName" : "setEndTime",
"setterModel" : {
 "variableDeclarationType" : "java.util.Date",
 "variableName" : "endTime",
 "variableType" : "java.util.Date",
 "documentation" : "",
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving
the price history data, in UTC format (for example, `<i>YYYY</i>`-`<i>MM</i>`-`<i>DD</i>`,`<i>HH</i>`:`<i>MM</i>`:`<i>SS</i>`Z`).</p>

```java
@end Time The date and time, up to the current
The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.

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idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InstanceType",
    "deprecated": false,
    "documentation": "",
    "enumType": "InstanceType",
    "fluentSetterDocumentation": "/**\n@ return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@ @ see InstanceType*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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      "additionalUnmarshallingPath": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "member",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member \n@ see InstanceType*/",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "member",
      "variableType": "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceTypes",
"setterDocumentation" : "/**<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>
@param instanceTypes Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>
@see InstanceType*/",
"setterMethodName" : "setInstanceTypes",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceTypes",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceTypes(java.util.Collection)} or {@link #withInstanceTypes(java.util.Collection)} if
you want to override the existing values.</p>

@Param instanceTypes Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.

@return Returns a reference to this object so that method calls can be chained together.

@see InstanceType*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceTypes",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>",
    "complexType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlnsSpaceUri" : null
},
"c2jName" : "ProductDescriptions",
"c2jShape" : "ProductDescriptionList",
"deprecated" : false,
"documentation" : "<p>Filters the results by the specified basic product descriptions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.</p>

@param productDescriptions Filters the results by the specified basic product descriptions.

@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withProductDescriptions",
"getterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.</p>

@return Filters the results by the specified basic product descriptions.*/",

"getterMethodName" : "getProductDescriptions",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
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"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductDescription",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProductDescription",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {

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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "ProductDescriptions",
"setterDocumentation": "/**\n<p>Filters the results by the specified basic product descriptions.</p>
@param productDescriptions Filters the results by the specified basic product descriptions.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"setterMethodName": "setProductDescriptions",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "productDescriptions",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>Filters the results by the specified basic product descriptions.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link 
#setProductDescriptions(java.util.Collection)] or [@link 
#withProductDescriptions(java.util.Collection)] if you want to override the existing values.
\n@param productDescriptions Filters the results by the specified basic product descriptions.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "productDescriptions",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"}
"variableType" : "java.util.List<String>",
"documentation" : "<p>Filters the results by the specified basic product descriptions.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>product-description</code> - The product description for the Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY/MM/DDHH:mm:ss</i>). You can use wildcards (*) and ?). Greater than or less than comparison is not supported.</p> </li> </ul>
</li>
</ul>
/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>product-description</code> - The product description for the Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY/MM/DDHH:mm:ss</i>). You can use wildcards (*) and ?). Greater than or less than comparison is not supported.</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>product-description</code> - The product description for the Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY/MM/DDHH:mm:ss</i>). You can use wildcards (*) and ?). Greater than or less than comparison is not supported.</p> </li> </ul>
@returns Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",  
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).

**Availability Zone**
- The Availability Zone for which prices should be returned.

**Instance Type**
- The type of instance (for example, `m3.medium`).

**Product Description**
- The product description for the Spot price (Linux/UNIX | SUSE Linux | Windows | Linux/UNIX (Amazon VPC) | SUSE Linux (Amazon VPC) | Windows (Amazon VPC)).

**Spot Price**
- The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).

**Timestamp**
- The timestamp of the Spot price history, in UTC format (for example, `YYYY-MM-DD HH:MM:SSZ`). You can use wildcards (* and ?). Greater than or less than comparison is not supported.
"varargSetterDocumentation" : "**One or more filters.**

- The Availability Zone for which prices should be returned.
- The type of instance (for example, `m3.medium`).
- The product description for the Spot price (Linux/UNIX | SUSE Linux | Windows (Amazon VPC)).

- `availability-zone` - The Availability Zone for which prices should be returned.
- `instance-type` - The type of instance (for example, `m3.medium`).
- `product-description` - The product description for the Spot price (Linux/UNIX | SUSE Linux | Windows (Amazon VPC)).
- `timestamp` - The timestamp of the Spot price history, in UTC format (for example, `YYYY-MM-DD HH:mm:ss`). You can use wildcards (* and ?). Greater than or less than comparison is not supported.

@link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values.

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters.

- The Availability Zone for which prices should be returned.
- The type of instance (for example, `m3.medium`).
- The product description for the Spot price (Linux/UNIX | SUSE Linux | Windows (Amazon VPC)).
- `timestamp` - The timestamp of the Spot price history, in UTC format (for example, `YYYY-MM-DD HH:mm:ss`). You can use wildcards (* and ?). Greater than or less than comparison is not supported.

@link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values.

"simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Filters the results by the specified Availability Zone.

@link #setAvailabilityZone(java.lang.String) or @link #withAvailabilityZone(java.lang.String) if you want to override the existing value.

"enumType" : null,
  "fluentSetterDocumentation" : "Filters the results by the specified Availability Zone.

@link #setAvailabilityZone(java.lang.String) or @link #withAvailabilityZone(java.lang.String) if you want to override the existing value."
availabilityZone Filters the results by the specified Availability Zone.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>

@returns Filters the results by the specified Availability Zone.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>

@param availabilityZone Filters the results by the specified Availability Zone.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>

@param availabilityZone Filters the results by the specified Availability Zone.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableType" : "String",
  "variableName" : "availabilityZone"}
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>Filters the results by the specified Availability Zone.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",

"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withNextToken",

"getterDocumentation" : "/**<p>The token for the next set of results.</p>
@return The token for the next set of results.*/", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  5764

"getterMethodName" : "getNextToken",
"getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "NextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,

"varargGetterDocumentation" : "/**<p>The token for the next set of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  5764

"varargGetterMethodName" : "withNextToken",

"xmlNameSpaceUri" : null
}
of results.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NextToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "nextToken",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "nextToken",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "nextToken",
      "variableType" : "String",
      "documentation" : "<p>The token for the next set of results.</p>
      "simpleType" : "String"
"variableSetterType" : "String",
],
"xmlNameSpaceUri" : null
}
]
,"membersAsMap" : {
"AvailabilityZone" : {
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Filters the results by the specified Availability Zone.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>
@param
availabilityZone Filters the results by the specified Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>
@return Filters the results by the specified Availability Zone.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>
@param
availabilityZone Filters the results by the specified Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",}
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>
@param
availabilityZone Filters the results by the specified Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>Filters the results by the specified Availability Zone.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EndTime" : {
"c2jName" : "EndTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param endTime The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEndTime",
"getterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@return The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/",
"getterMethodName" : "getEndTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EndTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "endTime",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EndTime",
"setterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the
price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param endTime The date and time, up to the current
date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/",
"setterMethodName" : "setEndTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "endTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving
the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param endTime The date and time, up to the current
date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls
can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "endTime",
  "variableType" : "java.util.Date",
  "documentation" : "p>The date and time, up to the current date, from which to stop retrieving the price
history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
"Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul>
  <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>
  </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>
  </li> <li> <p> <code>price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p>
  </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>/T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and %). Greater than or less than comparison is not supported.</p>
  </ul>
  <p>One or more filters.</p> <ul>
  <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).<p>
  </li> <li> <p> <code>price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p>
  </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>/T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and %). Greater than or less than comparison is not supported.</p>
  </ul>
  <p>One or more filters.</p> <ul>
  <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>
  </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).<p>
  </li> <li> <p> <code>price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p>
  </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>/T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and %). Greater than or less than comparison is not supported.</p>
  </ul>
  <p>One or more filters.</p> <ul>
  <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>
  </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).<p>
  </li> <li> <p> <code>price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p>
  </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>/T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and %). Greater than or less than comparison is not supported.<p>
  </ul>
  <p>One or more filters.</p> <ul>
  <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>
  </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).<p>
  </li> <li> <p> <code>price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p>
  </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>/T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and %). Greater than or less than comparison is not supported.<p>
  </ul>"
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YYYY-MM-DD:SS</i>). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</li> <li><p><code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> <li><p><code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> <li><p><code>product-description</code> - The product description for the Spot price (for example, Linux/UNIX | SUSE Linux | Windows | Linux/UNIX (Amazon VPC) | SUSE Linux (Amazon VPC) | Windows (Amazon VPC)).</p> <li><p><code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> <li><p><code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, YYYY-MM-DD:SS</i>). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p> <li><p>

```json
{
  "getterMethodName" : "getFilters",
  "getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCodes" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Filter",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@<param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@returns \n@methodName *",
      "getterMethodName" : "getMember",
```
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> 
- The Availability Zone for which prices should be returned.</p> */

"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> */

"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> */

"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> */

"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
"simple" : false,
Description</code> - The product description for the Spot price (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Windows</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Windows (Amazon VPC)</code>).</p>
<li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>T<i>HH:MM</i>:<i>SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p>
</li> 
<li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned. </p>
</li> 
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<font @#setFilters(java.util.Collection)} or {<font @#withFilters(java.util.Collection)} if you want to override the existing values.</p>

@l param filters One or more filters.</li> 

<ul> 
<li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> 
<li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> 
<li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> 
<li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>T<i>HH:MM:SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p> </li> 
</ul>
</li>

@l return Returns a reference to this object so that method calls can be chained together.*/

```
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : ""One or more filters." <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned. </p>
</li> 
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<font @#setFilters(java.util.Collection)} or {<font @#withFilters(java.util.Collection)} if you want to override the existing values.</p>

@l param filters One or more filters.</li> 

<ul> 
<li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> 
<li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> 
<li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> 
<li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i>T<i>HH:MM:SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p> </li> 
</ul>
</li>

@l return Returns a reference to this object so that method calls can be chained together.*/

```

```
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
}.
"xmlnsNamespaceUri" : null
},
"InstanceTypes" : {
"c2jName" : "InstanceTypes",
"c2jShape" : "InstanceTypeList",
"deprecated" : false,
"documentation" : "Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.

"enumType" : "InstanceType",
"fluentSetterDocumentation" : "Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.

```

Note that T2 and HS1 instance types are not supported.

@return Returns a reference to this object so that method calls can be chained together.

@see InstanceType*/

"getterDocumentation" : "/**
 * Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.
 * @return Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.
 * @see InstanceType*/",

"getterMethodName" : "getInstanceTypes",

"getterModel" : {
   "returnType" : "java.util.List<String>",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceType",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "InstanceType",
   "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "InstanceType",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : "InstanceType",
      "fluentSetterDocumentation" : "/**\n * @param member of type InstanceType*\n * @return Returns a reference to this object so that method calls can be chained together.
 * @see InstanceType*/

"fluentSetterMethodName" : "withMember",

"getterDocumentation" : "/**\n * @return of type InstanceType*\n * @see InstanceType*/

"getterMethodName" : "getMember",

"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@see InstanceType*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "InstanceTypes",
"setterDocumentation": "/**\n<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.\n@param instanceTypes Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.\n@see InstanceType*/",
"setterMethodName": "setInstanceTypes",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceTypes",
  "variableType": "java.util.List<String>",
  "documentation": ".",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.\n@see InstanceType*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceTypes",
  "variableType": "java.util.List<String>",
  "documentation": ",",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
},
"xmlNameSpaceUri": null
},
"MaxResults": {
  "c2jName": "MaxResults",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@see InstanceType*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a
value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.

@returns <p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.</p>

**setterDocumentation**

```java
/**
 * The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.
 */

public void setMaxResults(int maxResults) {
    this.maxResults = maxResults;
}
```

**getterDocumentation**

```java
/**
 * The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.
 */

public int getMaxResults() {
    return this.maxResults;
}
```
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. \n*\n@returns Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>.
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>.
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "<p>The token for the next set of results.</p>
@return The token for the next set of results. */",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ProductDescriptions" : {
  "c2jName" : "ProductDescriptions",
  "c2jShape" : "ProductDescriptionList",
  "deprecated" : false,
  "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.</p>
@param productDescriptions Filters the results by the specified basic product descriptions.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductDescriptions",
  "getterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.</p>
@return"
Filters the results by the specified basic product descriptions.*/",
"getterMethodName" : "getProductDescriptions",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProductDescription",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ProductDescription",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
"map" : false,
"mapModel" : null,
"name" : "ProductDescriptions",
"setterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.</p>
@param productDescriptions Filters the results by the specified basic product descriptions.*="/",
"setterMethodName" : "setProductDescriptions",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "productDescriptions",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setProductDescriptions(java.util.Collection)] or [@link #withProductDescriptions(java.util.Collection)] if you want to override the existing values.</p><p>@param productDescriptions Filters the results by the specified basic product descriptions.</p>@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "productDescriptions",
    "variableType" : "java.util.List<String>",
    "documentation" : <p>Filters the results by the specified basic product descriptions.</p>,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"StartTime" : {
    "c2jName" : "StartTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : <p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>,
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>@param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.*="/",
    "fluentSetterMethodName" : "withStartTime",
    "getterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
"
null

return The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

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The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

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The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
<i>DD</i>/<i>HH</i>:<i>MM</i>:<i>SS</i>.

return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "startTime",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).</p>,
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSpotPriceHistoryRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeSpotPriceHistoryRequest",
    "variableName" : "describeSpotPriceHistoryRequest",
    "variableType" : "DescribeSpotPriceHistoryRequest",
    "documentation" : null,
    "simpleType" : "DescribeSpotPriceHistoryRequest",
    "variableSetterType" : "DescribeSpotPriceHistoryRequest"
},
"wrapper" : false
},
"DescribeSpotPriceHistoryResult" : {
    "c2jName" : "DescribeSpotPriceHistoryResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeSpotPriceHistory.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
"c2jName" : "SpotPriceHistory",
"c2jShape" : "SpotPriceHistoryList",
"deprecated" : false,
"documentation" : "<!--The historical Spot prices.-->",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The historical Spot prices.</p>
*param spotPriceHistory The historical Spot prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotPriceHistory",
"getterDocumentation" : "/**<p>The historical Spot prices.</p>
@return The historical Spot prices.*/",
"getterMethodName" : "getSpotPriceHistory",
"getterModel" : {
    "returnType" : "java.util.List<SpotPrice>",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotPriceHistorySet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotPriceHistorySet",
    "uri" : false
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"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "c2jShape" : "SpotPrice",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n*param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n*return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
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            "documentation" : null
        }
    }
}
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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    "variableName" : "member",
    "variableType" : "SpotPrice",
    "documentation" : "",
    "simpleType" : "SpotPrice",
    "variableSetterType" : "SpotPrice"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableDeclarationType" : "SpotPrice",
    "variableName" : "member",
    "variableType" : "SpotPrice",
    "documentation" : "",
    "simpleType" : "SpotPrice",
    "variableSetterType" : "SpotPrice"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotPrice",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotPrice",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
"templateType" : "java.util.List<SpotPrice>",
},
"map" : false,
"mapModel" : null,
"name" : "SpotPriceHistory",
"setterDocumentation" : "/**<p>The historical Spot prices.</p>
@param spotPriceHistory The historical Spot prices.*/",
"setterMethodName" : "setSpotPriceHistory",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
  "variableName" : "spotPriceHistory",
  "variableType" : "java.util.List<SpotPrice>",
  "documentation" : "",
  "simpleType" : "List<SpotPrice>",
  "variableSetterType" : "java.util.Collection<SpotPrice>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The historical Spot prices.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSpotPriceHistory(java.util.Collection)} or {@link #withSpotPriceHistory(java.util.Collection)} if you want to override the existing values.</p>
@param spotPriceHistory The historical Spot prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
  "variableName" : "spotPriceHistory",
  "variableType" : "java.util.List<SpotPrice>",
  "documentation" : "The historical Spot prices.",
  "simpleType" : "List<SpotPrice>",
  "variableSetterType" : "java.util.Collection<SpotPrice>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
  "variableName" : "spotPriceHistory",
  "variableType" : "java.util.List<SpotPrice>",
  "documentation" : "The historical Spot prices.",
  "simpleType" : "List<SpotPrice>",
  "variableSetterType" : "java.util.Collection<SpotPrice>",
},
"xmlNameSpaceUri" : null
}
Returns a reference to this object so that method calls can be chained together. */

   "fluentSetterMethodName" : "withNextToken",
   "getterDocumentation" : "/**\n   \n   The token required to retrieve the next set of results. This value is
   \n   \n   <code>null</code> when there are no more results to return.\n   \n   \n   @return The token required to retrieve the next set of results. This value is
   \n   <code>null</code> when there are no more results to return.*/",
   "getterMethodName" : "getNextToken",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NextToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "nextToken",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "NextToken",
   "setterDocumentation" : "/**\n   \n   The token required to retrieve the next set of results. This value is
   \n   <code>null</code> when there are no more results to return.\n   \n   \n   @param nextToken The token required to retrieve the next set of results. This value is
   \n   <code>null</code> when there are no more results to return.*/",
   "setterMethodName" : "setNextToken",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "nextToken",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**\n   \n   The token required to retrieve the next set of results. This value is
   \n   <code>null</code> when there are no more results to return.\n   \n   \n   @param nextToken The token required to retrieve the next set of results. This value is
   \n   <code>null</code> when there are no more results to return.\n   \n   \n   Returns a reference to this object so that method calls can be chained together.*/"}
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  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "The token required to retrieve the next set of results. This value is \<code>null\> when there are no more results to return.\</p>\",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The token required to retrieve the next set of results. This value is \<code>null\> when there are no more results to return.\</p>\",
    "enumType": null,
    "fluentSetterDocumentation": "/\*<p>The token required to retrieve the next set of results. This value is \<code>null\> when there are no more results to return.\</p>\n@returns {string} The token required to retrieve the next set of results. This value is \<code>null\> when there are no more results to return.\</p>\*/",
    "fluentSetterMethodName": "withNextToken",
    "getterDocumentation": "/\*<p>The token required to retrieve the next set of results. This value is \<code>null\> when there are no more results to return.\</p>\n@returns {string} The token required to retrieve the next set of results. This value is \<code>null\> when there are no more results to return.\*/",
    "getterMethodName": "getNextToken",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "NextToken",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "nextToken",
      "uri": false
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    "idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"SpotPriceHistory" : {
  "c2jName" : "SpotPriceHistory",
  "c2jShape" : "SpotPriceHistoryList",
  "deprecated" : false,
  "documentation" : "<p>The historical Spot prices.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The historical Spot prices.</p>
@param spotPriceHistory The historical Spot prices.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotPriceHistory",
  "getterDocumentation" : "/**<p>The historical Spot prices.</p>
@return The historical Spot prices.*/",
  "getMethodName" : "getSpotPriceHistory",
  "getterModel" : {
    "returnType" : "java.util.List<SpotPrice>",
    "documentation" : null
  }
};
"http" : {
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   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
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   "unmarshallLocationName" : "spotPriceHistorySet",
   "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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   "interfaceType" : "java.util.List",
   "listMemberModel" : {
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      "c2jShape" : "SpotPrice",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
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         "documentation" : null
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         "greedy" : false,
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         "isStreaming" : false,
         "location" : null,
         "marshallLocationName" : "Item",
         "queryString" : false,
         "statusCode" : false,
         "unmarshallLocationName" : "item",
      }
   }
}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "SpotPrice",
  "documentation" : "",
  "simpleType" : "SpotPrice",
  "variableSetterType" : "SpotPrice"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "SpotPrice",
  "documentation" : "",
  "simpleType" : "SpotPrice",
  "variableSetterType" : "SpotPrice"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotPrice",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotPrice",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
"templateType" : "java.util.List<SpotPrice>
",
"map" : false,
"mapModel" : null,
"name" : "SpotPriceHistory",
"setterDocumentation" : "/**<p>The historical Spot prices.</p>
@param spotPriceHistory The historical Spot prices.*/
@n@param spotPriceHistory The historical Spot prices.*/"
"setterMethodName" : "setSpotPriceHistory",
"setterModel" : {
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    "variableName" : "spotPriceHistory",
    "variableType" : "java.util.List<SpotPrice>",
    "documentation" : "",
    "simpleType" : "List<SpotPrice>",
    "variableSetterType" : "java.util.Collection<SpotPrice>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The historical Spot prices.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [link #setSpotPriceHistory(java.util.Collection)] or [link #withSpotPriceHistory(java.util.Collection)] if you want to override the existing values.</p>
@param spotPriceHistory The historical Spot prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
    "variableName" : "spotPriceHistory",
    "variableType" : "java.util.List<SpotPrice>",
    "documentation" : "<p>The historical Spot prices.</p>",
    "simpleType" : "List<SpotPrice>",
    "variableSetterType" : "java.util.Collection<SpotPrice>"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeSpotPriceHistoryResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
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"variable" : {
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    "variableName" : "describeSpotPriceHistoryResult",
    "variableType" : "DescribeSpotPriceHistoryResult",
    "documentation" : null,
    "simpleType" : "DescribeSpotPriceHistoryResult",
    "variableSetterType" : "DescribeSpotPriceHistoryResult"
},
"wrapper" : false
},
"DescribeStaleSecurityGroupsRequest" : {
    "c2jName" : "DescribeStaleSecurityGroupsRequest",
    "customization" : {
        "artificialResultWrapper" : null
    },
    "required" : null,
    "shapeName" : "DescribeStaleSecurityGroupsResult",
    "unmarshaller" : {
        "flattened" : false,
        "resultWrapper" : null
    },
    "variable" : {
        "variableDeclarationType" : "DescribeStaleSecurityGroupsResult",
        "variableName" : "describeStaleSecurityGroupsResult",
        "variableType" : "DescribeStaleSecurityGroupsResult",
        "documentation" : null,
        "simpleType" : "DescribeStaleSecurityGroupsResult",
        "variableSetterType" : "DescribeStaleSecurityGroupsResult"
    },
    "wrapper" : false
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "DescribeStaleSecurityGroups",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
"members" : [ {
 "c2jName" : "VpcId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "&lt;p&gt;The ID of the VPC.&lt;/p&gt;",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@returns \n\nReturns a reference to this object so that method calls can be chained together.*/&lt;*/",
 "fluentSetterMethodName" : "withVpcId",
 "getterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@returns \nThe ID of the VPC.*/&lt;*/",
 "getterMethodName" : "getVpcId",
 "getterModel" : { 
 "returnType" : "String",
 "documentation" : null
 },
 "http" : { 
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "VpcId",
 "skipGeneratingMarshaller" : false,
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer"}
"documentation": "&lt;p&gt;The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.&lt;/p&gt;",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"c2jName": "NextToken",
"c2jShape": "NextToken",
"deprecated": false,
"documentation": "&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)&lt;/p&gt;\n@returns {string} The token for the next set of items to return. (You received this token from a prior call.)
*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)&lt;/p&gt;\n@returns {string} The token for the next set of items to return. (You received this token from a prior call.)
*/",
"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "NextToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**&lt;p&gt;The token for the next set of items to return. (You received this token from a prior call.)&lt;/p&gt;\n@returns {string} The token for the next set of items to return. (You received this token from a

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prior call.)*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "deprecated" : false,
    "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},

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"http" : {
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    "additionalUnmarshallingPath" : null,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
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@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",
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    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
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    "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. The request returns a token that you can specify in a subsequent call to get the next set of results. <p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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"unmarshallLocationName": "VpcId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**\n * The ID of the VPC.
 */
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@return Returns a reference to this object so that method calls can be chained together.
*/",
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"setterModel": {
"variableDeclarationType": "String",
"variableName": "vpcId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n * The ID of the VPC.
 */
@returns Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
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"variableName": "vpcId",
"variableType": "String",
"documentation": "<p>The ID of the VPC.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"requestSignerClassFqn": null,
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"unmarshaller": null,
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"variableDeclarationType": "DescribeStaleSecurityGroupsRequest",
"variableName": "describeStaleSecurityGroupsRequest",
"variableType": "DescribeStaleSecurityGroupsRequest",
"documentation": null,
"simpleType": "DescribeStaleSecurityGroupsRequest",
"variableSetterType": "DescribeStaleSecurityGroupsRequest"
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"wrapper": false
"DescribeStaleSecurityGroupsResult" : {
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  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "StaleSecurityGroupSet",
    "c2jShape" : "StaleSecurityGroupSet",
    "deprecated" : false,
    "documentation" : "<p>Information about the stale security groups.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the stale security groups.</p>*/
@<p>Information about the stale security groups.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withStaleSecurityGroupSet",
    "getterDocumentation" : "/**<p>Information about the stale security groups.</p>*/
@return Information about the stale security groups.*/",
    "getterMethodName" : "getStaleSecurityGroupSet",
    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "staleSecurityGroupSet",
      "marshallLocationName" : "StaleSecurityGroupSet",
      "returnType" : "java.util.List<StaleSecurityGroup>",
      "documentation" : null
    }
  }
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        "c2jShape" : "StaleSecurityGroup",
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        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
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@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
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            "documentation" : null
        }
    },
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member
*",
    "setterMethodName" : "setMember",
    "setterModel" : {
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        "variableName" : "member",
        "variableType" : "StaleSecurityGroup"
    }
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"variableType" : "StaleSecurityGroup",
"documentation" : "",
"simpleType" : "StaleSecurityGroup",
"variableSetterType" : "StaleSecurityGroup"
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"simple" : false,
"vardargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "StaleSecurityGroup",
"variableName" : "member",
"variableType" : "StaleSecurityGroup",
"documentation" : ":",
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"variableSetterType" : "StaleSecurityGroup"
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"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "StaleSecurityGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleSecurityGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
"templateType" : "java.util.List<StaleSecurityGroup>
}
},
"map" : false,
"mapModel" : null,
"name" : "StaleSecurityGroupSet",
"setterDocumentation" : "/**\n<p>Information about the stale security groups.</p>
@param staleSecurityGroupSet Information about the stale security groups.</param\n*/
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"setterModel" : {
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"variableName" : "staleSecurityGroupSet",
"variableType" : "java.util.List<StaleSecurityGroup>",
"documentation" : ":",
"simpleType" : "List<StaleSecurityGroup>",
"variableSetterType" : "java.util.Collection<StaleSecurityGroup>
"},
"simple" : false,
"vardargSetterDocumentation" : "/**<p>Information about the stale security groups.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setStaleSecurityGroupSet(java.util.Collection) \} or \{ @link #withStaleSecurityGroupSet(java.util.Collection) \} if
you want to override the existing values.</p>

@overrideToStaleSecurityGroupSet Information about the stale security groups.

@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
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  "variableName" : "staleSecurityGroupSet",
  "variableType" : "java.util.List<StaleSecurityGroup>",
  "documentation" : "Information about the stale security groups.",
  "simpleType" : "List<StaleSecurityGroup>",
  "variableSetterType" : "java.util.Collection<StaleSecurityGroup>"
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"deprecated" : false,
"documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.",
"enumType" : null,
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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"list" : false,
"listModel" : null,
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"mapModel" : null,
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.<p>
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p> @param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p> @return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/";
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  "documentation" : null
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  "header" : false,
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  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
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"list" : false,
"listModel" : null,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.@return Returns a reference to this object so that method calls can be chained together.*%/",
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : ""<p>The token to use when requesting the next set of items. If there are no additional"
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"simpleType" : "String",
"variableSetterType" : "String"
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"StaleSecurityGroupSet" : {
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"c2jShape" : "StaleSecurityGroupSet",
"deprecated" : false,
"documentation" : "<p>Information about the stale security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Information about the stale security groups.</p>*/
@param staleSecurityGroupSet Information about the stale security groups.*/
@return Returns a reference to this object so that method calls can be chained together.</returns",
"fluentSetterMethodName" : "withStaleSecurityGroupSet",
"getterDocumentation" : "/** <p>Information about the stale security groups.</p>*/
@return Information about the stale security groups.*/

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"getterModel" : {
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"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"uri" : false
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"interfaceType" : "java.util.List",
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"c2jShape" : "StaleSecurityGroup",
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"map" : false,
"mapModel" : null,
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"setterModel" : {
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"variableType" : "StaleSecurityGroup",
"documentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"http" : {
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"documentation" : "",
"simpleType" : "StaleSecurityGroup",
"variableSetterType" : "StaleSecurityGroup"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "StaleSecurityGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleSecurityGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
"templateType" : "java.util.List<StaleSecurityGroup>"
},
"map" : false,
"mapModel" : null,
"name" : "StaleSecurityGroupSet",
"setterDocumentation" : "/*\<p>Information about the stale security groups.\</p>*/\n@param staleSecurityGroupSet Information about the stale security groups.*/",
"setterMethodName" : "setStaleSecurityGroupSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
  "variableName" : "staleSecurityGroupSet",
  "variableType" : "java.util.List<StaleSecurityGroup>",
  "documentation" : "",
  "simpleType" : "List<StaleSecurityGroup>",
  "variableSetterType" : "java.util.Collection<StaleSecurityGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/*\<p>Information about the stale security groups.\</p>*/\n\<b>NOTE: </b>This method appends the values to the existing list (if any). Use \{@link #setStaleSecurityGroupSet(java.util.Collection)} or \{@link #withStaleSecurityGroupSet(java.util.Collection)} if you want to override the existing values.\</p>*/\n\n\n@param staleSecurityGroupSet Information about the stale security groups.\n\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "staleSecurityGroupSet",
  "variableType" : "java.util.List<StaleSecurityGroup>",
  "documentation" : "<p>Information about the stale security groups.\</p>"",
  "simpleType" : "List<StaleSecurityGroup>",
  "variableSetterType" : "java.util.Collection<StaleSecurityGroup>"
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"xmlNameSpaceUri" : null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeStaleSecurityGroupsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeStaleSecurityGroupsResult",
  "variableName" : "describeStaleSecurityGroupsResult",
  "variableType" : "DescribeStaleSecurityGroupsResult",
  "documentation" : null,
  "simpleType" : "DescribeStaleSecurityGroupsResult",
  "variableSetterType" : "DescribeStaleSecurityGroupsResult"
},
"wrapper" : false
},
"DescribeSubnetsRequest" : {
  "c2jName" : "DescribeSubnetsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSubnets.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlnsNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "SubnetIds",
    "c2jShape" : "SubnetIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more subnet IDs.</p> Default: Describes all your subnets.</p>",
  },
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>
@param subnetIds One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetIds",
"getterDocumentation" : "/**<p>One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>
@return One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>*/",
"getterMethodName" : "getSubnetIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/*@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"memberLocationName" : "SubnetId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "SubnetIds",
"setterDocumentation": "/**
 * One or more subnet IDs.
 * Default: Describes all your subnets.
 */
@param subnetIds One or more subnet IDs.
 * Default: Describes all your subnets.
 */
.setterMethodName": "setSubnetIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "subnetIds",
  "variableType": "java.util.List<String>",
  "documentation": ",",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**
 * One or more subnet IDs.
 * Default: Describes all your subnets.
 **/ This method appends the values to the existing list (if any). Use{@link #setSubnetIds(java.util.Collection)} or{.@link #withSubnetIds(java.util.Collection)} if you want to override the existing values.
@param subnetIds One or more subnet IDs.
 * Default: Describes all your subnets.
@return Returns a reference to this object so that method calls can be chained together.*/
", variable}: {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "subnetIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more subnet IDs.
 * Default: Describes all your subnets.</p>
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p>
<code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.
<code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.
<code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.
<code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.
<code>ipv6-cidr-block-association.ipv6-cidr-block-set.association.subnet-id</code> - Associate the IPv6 CIDR block set with the subnet. You can also use <code>ipv6-cidr-block-set.association.subnet-id</code> as the filter names.
cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose=X</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li> </ul>

```

enumType" : null,
"fluentSetterDocumentation" : "# One or more filters." <ul> <li> <p> <code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li> <li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li> <li> <p> <code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter name.</p> </li> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li> ```
block associated with the subnet.</p>
<li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p>
<li> <p> <code>state</code> - The state of the subnet.</p>
<li> <p> <code>subnet-id</code> - The ID of the subnet.</p>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p>
<li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p>

```
ある@return Returns a reference to this object so that method calls can be chained together.*/

/*SetterMethodName" : "withFilters",
"get FilterDocumentation" : "/**
One or more filters.</p>
<li> <p> <code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p>
<li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p>
<li> <p> <code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p>
<li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p>
<li> <p> <code>ipv6-cidr-block-association</code> - An IPv6 CIDR block associated with the subnet.</p>
<li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p>
<li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p>
<li> <p> <code>state</code> - The state of the subnet (<code>pending</code> | <code>available</code>).</p>
<li> <p> <code>subnet-id</code> - The ID of the subnet.</p>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p>
<li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p>
```
an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>state</code> - The state of the subnet (pending | available).</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li>*/

"getterMethodName" : "getFilters",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@\n@return Returns a reference to this object so that method calls can be chained together.*/"
  },
  "getterDocumentation" : "",
  "getterMethodName" : "getMember",
 ="/
\n@\n@return Returns a reference to this object so that method calls can be chained together.*/"
  },
  "getterMethodName" : "getMember",
 ="/
\n@\n@return Returns a reference to this object so that method calls can be chained together.*/"
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "\/**
  \param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
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Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li>
<li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li>
<li> <p> <code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p> </li>
<li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li>
<li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li>
<li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li>
<li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li>
<li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li>
<li> <p> <code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li>
<li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li>
<li> <p> <code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p> </li>
<li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li>
<li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li>
<li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li>
<li> <p> <code>ipv6-cidr-block-association.state</code> - The state of
an IPv6 CIDR block associated with the subnet. <p> <li> <p> <code>state</code> - The state of the subnet (<code>pending</code> | <code>available</code>).</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li></ul><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values.</p><p><b>Note</b>: This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. 

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The number of IPv4 addresses in the subnet that are available.

The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use `cidrBlock` or `cidr-block` as the filter names.

Indicates whether this is the default subnet for the Availability Zone. You can also use `default-for-az` as the filter name.

An IPv6 CIDR block associated with the subnet.

The state of the subnet (pending | available).

The ID of the subnet.

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `tag:Purpose` for the filter name and `X` for the filter value.

The key of a tag assigned to the resource. This filter is independent of the `tag-value` filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag:Purpose` filter.

The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter.

The ID of the VPC for the subnet.

Returns a reference to this object so that method calls can be chained together.
Availability Zone for the subnet. You can also use `<code>availability-zone</code>` as the filter name.</p> 

- The number of IPv4 addresses in the subnet that are available.</p> 

- The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use `<code>cidr</code>` or `<code>cidr-block</code>` as the filter names.</p> 

- Indicates whether this is the default subnet for the Availability Zone. You can also use `<code>default-for-az</code>` as the filter name.</p> 

- An IPv6 CIDR block associated with the subnet.</p> 

- An association ID for an IPv6 CIDR block associated with the subnet.</p> 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=barcode, specify `<code>tag:Purpose</code>` for the filter name and `<code>barcode</code>` for the filter value.</p> 

- The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=barcode", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value barcode (regardless of what the tag's key is). If you want to list only resources where Purpose is barcode, see the `<code>tag</code>` filter. Example: `<code>tag:Purpose=barcode</code>` filter.</p> 

- The ID of the VPC for the subnet.</p> 

- The Availability Zone for the subnet. You can also use `<code>availability-zone</code>` as the filter name.</p> 

- The number of IPv4 addresses in the subnet that are available.</p> 

- The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use `<code>cidr</code>` or `<code>cidr-block</code>` as the filter names.</p> 

- Indicates whether this is the default subnet for the Availability Zone. You can also use `<code>default-for-az</code>` as the filter name.</p> 

- An IPv6 CIDR block associated with the subnet.</p> 

- An association ID for an IPv6 CIDR block associated with the subnet.</p> 

- The ID of the VPC for the subnet.
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.

- `<code>vpc-id</code>` - The ID of the VPC for the subnet.

- `<code>availabilityZone</code>` - The Availability Zone for the subnet.

You can also use `<code>availability-zone</code>` as the filter name.

- `<code>available-ip-address-count</code>` - The number of IPv4 addresses in the subnet that are available.

- `<code>vpc-id</code>` - The ID of the VPC for the subnet.

The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use `<code>cidr</code>` or `<code>cidr-block</code>` as the filter names.

- `<code>availability-zone</code>` as the filter name.

- `<code>default-for-az</code>` as the filter name.

- `<code>ipv6-cidr-block-association.ipv6-cidr-block</code>` - An IPv6 CIDR block associated with the subnet.

- `<code>ipv6-cidr-block-association.association-id</code>` - An association ID for an IPv6 CIDR block associated with the subnet.

- `<code>ipv6-cidr-block-association.state</code>` - The state of an IPv6 CIDR block associated with the subnet.

- `<code>subnet-id</code>` - The ID of the subnet.

- `<code>tag:key=value</code>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag:tag-key</code>` filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.

- `<code>vpc-id</code>` - The ID of the VPC for the subnet.
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the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. If you use both the filter `<code>tag-key=Purpose</code>` and the filter `<code>tag-value=X</code>`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter. For example, if you use both the filter `<code>tag-key=Purpose</code>` and the filter `<code>tag-value=X</code>`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.

The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `<code>tag-key=Purpose</code>` and the filter `<code>tag-value=X</code>`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.

The value of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `<code>tag-key=Purpose</code>` and the filter `<code>tag-value=X</code>`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.
also use `<code>default-for-az</code>` as the filter name. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.ipv6-cidr-block</code>` - An IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.association-id</code>` - An association ID for an IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.state</code>` - The state of an IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>state</code>` - The state of the subnet. `<p>` `<li>` `<p>` `<code>subnet-id</code>` - The ID of the subnet. `<p>` `<li>` `<p>` `<code>tag</code>`:`<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. `<p>` `<li>` `<p>` `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>`:`<i>key</i>=<i>value</i>` filter. `<p>` `<li>` `<p>` `<code>tag-value</code>` - The value of a tag assigned to the resource. `<p>` `<li>` `<p>` `<code>vpc-id</code>` - The ID of the VPC for the subnet. `<p>` `<li>` `<p>` `<code>availabilityZone</code>` - The Availability Zone for the subnet. You can also use `<code>availability-zone</code>` as the filter name. `<p>` `<li>` `<p>` `<code>available-ip-address-count</code>` - The number of IPv4 addresses in the subnet that are available. `<p>` `<li>` `<p>` `<code>cidrBlock</code>` - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use `<code>cidr</code>` or `<code>cidr-block</code>` as the filter names. `<p>` `<li>` `<p>` `<code>defaultForAz</code>` - Indicates whether this is the default subnet for the Availability Zone. You can also use `<code>default-for-az</code>` as the filter name. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.ipv6-cidr-block</code>` - An IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.association-id</code>` - An association ID for an IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.state</code>` - The state of an IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>state</code>` - The state of the subnet. `<p>` `<li>` `<p>` `<code>tag</code>`:`<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. `<p>` `<li>` `<p>` `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>`:`<i>key</i>=<i>value</i>` filter. `<p>` `<li>` `<p>` `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>`:`<i>key</i>=<i>value</i>` filter. `<p>` `<li>` `<p>` `<code>vpc-id</code>` - The ID of the VPC for the subnet. `<p>` `<li>` `<p>` `<code>availabilityZone</code>` - The Availability Zone for the subnet. You can also use `<code>availability-zone</code>` as the filter name. `<p>` `<li>` `<p>` `<code>available-ip-address-count</code>` - The number of IPv4 addresses in the subnet that are available. `<p>` `<li>` `<p>` `<code>cidrBlock</code>` - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use `<code>cidr</code>` or `<code>cidr-block</code>` as the filter names. `<p>` `<li>` `<p>` `<code>defaultForAz</code>` - Indicates whether this is the default subnet for the Availability Zone. You can also use `<code>default-for-az</code>` as the filter name. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.ipv6-cidr-block</code>` - An IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.association-id</code>` - An association ID for an IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>ipv6-cidr-block-association.state</code>` - The state of an IPv6 CIDR block associated with the subnet. `<p>` `<li>` `<p>` `<code>state</code>` - The state of the subnet. `<p>` `<li>` `<p>` `<code>tag</code>`:`<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. `<p>` `<li>` `<p>` `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>`:`<i>key</i>=<i>value</i>` filter. `<p>` `<li>` `<p>` `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>`:`<i>key</i>=<i>value</i>` filter.
available. </li> <li> <p> <code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use </p> </li> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use </p> </li> <li> <p> <code>cidr-block</code> as the filter name. </p> </li> <li> <p> <code>cidr</code> or <code>cidr-block</code> as the filter name. </p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet. </p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet. </p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet. </p> </li> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use </p> </li> <li> <p> <code>default-for-az</code> as the filter name. </p> </li> <li> <p> <code>key</code> and <code>value</code> of a tag assigned to the resource. Specifying the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> for the filter name and </p> </li> <li> <p> <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the </p> </li> <li> <p> <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> filter. </p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet. </p> </li> <p>

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"variableSetterType" : "java.util.Collection&lt;Filter&gt;"
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"SubnetIds" : {
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",
"enumType" : null,
"fluentSetterDocumentation" : "One or more subnet IDs. Default: Describes all your subnets."
",
"getterDocumentation" : "One or more subnet IDs. Default: Describes all your subnets."
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"variableSetterType" : "java.util.Collection&lt;Filter&gt;"
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"c2jShape" : "SubnetIdStringList",
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"fluentSetterDocumentation" : "One or more subnet IDs. Default: Describes all your subnets."
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"getterDocumentation" : "One or more subnet IDs. Default: Describes all your subnets."
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
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"setterDocumentation" : "/**\n@param member */",
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"setterModel" : {
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 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "xmlNameSpaceUri" : null
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 "memberType" : "String",
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 "marshallNonAutoConstructedEmptyLists" : false,
 "memberAdditionalMarshallingPath" : null,
 "memberAdditionalUnmarshallingPath" : null,
 "sendEmptyQueryString" : false,
 "simple" : true,
 "simpleType" : "String",
 "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
 "templateType" : "java.util.List<String>",
 "map" : false,
 "mapModel" : null,
 "name" : "SubnetIds",
 "setterDocumentation" : "/**\n@value One or more subnet IDs. <p>
Default: Describes all your subnets.
@value One or more subnet IDs. <p>
Default: Describes all your subnets. */",
 "setterMethodName" : "setSubnetIds",
 "setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
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 "variableType" : "subnetIds",
 "variableType" : "java.util.List<String>",
 "documentation" : ""}
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use [setSubnetIds(java.util.Collection)] or [withSubnetIds(java.util.Collection)] if you want to override the existing values.</p> <p>@param subnetIds One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p> <p>@return Returns a reference to this object so that method calls can be chained together. */",
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"documentation" : "<p>One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>
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"variableSetterType" : "java.util.Collection<String>",
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
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"unmarshaller" : null,
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"variableType" : "DescribeSubnetsRequest",
"documentation" : null,
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"DescribeSubnetsResult" : {
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
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"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
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"marshaller" : null,
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  "c2jShape" : "SubnetList",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Information about one or more subnets.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;Information about one or more subnets.&lt;/p&gt;n@param subnets Information about one or more subnets.n@return Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
  "fluentSetterMethodName" : "withSubnets",
  "getterDocumentation" : "/**&lt;p&gt;Information about one or more subnets.&lt;/p&gt;n@return Information about one or more subnets.&lt;/p&gt;n
  "getterMethodName" : "getSubnets",
  "getterModel" : {
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    "documentation" : null
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  "http" : {
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "subnetSet",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : true,
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    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
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      "c2jShape" : "Subnet",
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method calls can be chained together. */

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
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    "greedy" : false,
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    "location" : null,
    "marshallLocationName" : "item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
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"map" : false,
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"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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    "variableType" : "Subnet",
    "documentation" : "",
    "simpleType" : "Subnet",
    "variableSetterType" : "Subnet"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */

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    "variableDeclarationType" : "Subnet",
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    "documentation" : "",
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],
"xmlNameSpaceUri" : null,
],
"memberLocationName" : "item",
"memberType" : "Subnet",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Subnet",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Subnet>",
"templateType" : "java.util.List<Subnet>",
],
"map" : false,
"mapModel" : null,
"name" : "Subnets",
"setterDocumentation" : "/** <p>Information about one or more subnets.</p>*/
@param subnets Information about one or more subnets.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnets",
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"variableName" : "subnets",
"variableType" : "java.util.List<Subnet>",
"documentation" : "",
"simpleType" : "List<Subnet>",
"variableSetterType" : "java.util.Collection<Subnet>",
],
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"varargSetterDocumentation" : "/** <p>Information about one or more subnets.</p>*/
@param subnets Information about one or more subnets.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "java.util.List<Subnet>",
"documentation" : "<p>Information about one or more subnets.</p>",
"simpleType" : "List<Subnet>",
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"fluentSetterDocumentation" : "/*\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnets",
"getterDocumentation" : "/*\n@returns Information about one or more subnets.*/",
"getterMethodName" : "getSubnets",
"getterModel" : {
  "returnType" : "java.util.List<Subnet>",
  "documentation" : null
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"documentation" : "",
"simpleType" : "Subnet",
"variableSetterType" : "Subnet"
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"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "Subnet",
"documentation" : "",
"simpleType" : "Subnet",
"variableSetterType" : "Subnet"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item"
"memberType" : "Subnet",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"simpleType" : "Subnet",
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"templateType" : "java.util.List<Subnet>"
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"mapModel" : null,
"name" : "Subnets",
"setterDocumentation" : "/**\n* Information about one or more subnets.\n* @param subnets Information about one or more subnets.*/",
"setterMethodName" : "setSubnets",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Subnet>",
"variableName" : "subnets",
"variableType" : "java.util.List<Subnet>",
"documentation" : "",
"simpleType" : "List<Subnet>",
"variableSetterType" : "java.util.Collection<Subnet>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* Information about one or more subnets.\n* NOTE: This method appends the values to the existing list (if any). Use {@link setSubnets(java.util.Collection)} or {@link withSubnets(java.util.Collection)} if you want to override the existing values.\n* @param subnets Information about one or more subnets.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Subnet>",
"variableName" : "subnets",
"variableType" : "java.util.List<Subnet>",
"documentation" : "<p>Information about one or more subnets.</p>",
"simpleType" : "List<Subnet>",
"variableSetterType" : "java.util.Collection<Subnet>"
},
"xmlNameSpaceUri" : null
}
"resultWrapper": null,
},
"variable": {
  "variableDeclarationType": "DescribeSubnetsResult",
  "variableName": "describeSubnetsResult",
  "variableType": "DescribeSubnetsResult",
  "documentation": null,
  "simpleType": "DescribeSubnetsResult",
  "variableSetterType": "DescribeSubnetsResult"
},
"wrapper": false
},
"DescribeTagsRequest": {
  "c2jName": "DescribeTagsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeTags.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "DescribeTags",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    "c2jName": "Filters",
    "c2jShape": "FilterList",
    "deprecated": false,
    "documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>key</code> - The tag key.</p> </li>
      <li> <p> <code>value</code> - The tag value.</p> </li> </ul>"
"enumType" : null,

@param filters One or more filters.</p> <ul>
@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withFilters",

@return One or more filters.</p> <ul>
</p> <li> <p> <code>value</code> - The tag value.</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getFilters",

"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",

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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
}
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
}


"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
}


"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
table | security-group | snapshot | spot-instances-request | subnet | vpc | vpn-connection | vpn-gateway | <br/>
<p>
@returns Returns a reference to this object so that method calls can be chained together. */

```
variable : {
    \"variableDeclarationType\" : \"com.amazonaws.internal.SdkInternalList<Filter>\",
    \"variableName\" : \"filters\",
    \"variableType\" : \"java.util.List<Filter>\",
    \"documentation\" : \"One or more filters.\" |
    \"value\" - The tag value. |<br/>
    \"simple\" : false,
    \"varargSetterDocumentation\" : \"One or more filters.\" |
    \"value\" - The tag value. |<br/>
    \"simple\" : false,
```


"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
?idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"type" : "Integer",
"toList" : false,
"typeModel" : null
}
call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.*/

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value."<p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to retrieve the next page of results.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.\n@param nextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to retrieve the next page of results.\n@param NextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "nextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "nextToken",
"setterDocumentation": "/**\n\n@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n\n@param nextToken The token to retrieve the next page of results. Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "The token to retrieve the next page of results.
  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simple": true,
  "varargSetterDocumentation": "/**\n\n@param nextToken The token to retrieve the next page of results. Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "The token to retrieve the next page of results.
  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simple": true,
  "varargSetterDocumentation": "/**\n\n@param nextToken The token to retrieve the next page of results. Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "The token to retrieve the next page of results.
  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simple": true,
  "varargSetterDocumentation": "/**\n\n@param nextToken The token to retrieve the next page of results. Returns a reference to this object so that method calls can be chained together.*/
"};
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false,
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "marshallLocationName": "Filter",
    "unmarshallLocationName": "Filter",
    "uri": false
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Filter",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Filter",
    "uri": false
  }
},
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>key</code> - The tag key.</p> </li> <li> <p> <code>resource-id</code> - The resource ID.</p> </li> <li> <p> <code>resource-type</code> - The resource type (<code>customer-gateway</code> | <code>dhcp-options</code> |
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- The tag value.

```java
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."
},
"enumType" : null
"fluentSetterDocumentation" : "The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."
"getterDocumentation" : "The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
"getterModel" : {
"returnType" : "Integer",
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to retrieve the next page of results.\n@returns {string} Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token to retrieve the next page of results.\n@returns {string} Returns a reference to this object so that method calls can be chained together.*/"}
chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@return The token to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String"}
"variableType" : "String",
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeTagsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeTagsRequest",
"variableName" : "describeTagsRequest",
"variableType" : "DescribeTagsRequest",
"documentation" : null,
"simpleType" : "DescribeTagsRequest",
"variableSetterType" : "DescribeTagsRequest"
},
"wrapper" : false
},
"DescribeTagsResult" : {
"c2jName" : "DescribeTagsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeTags.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "Tags",
"c2jShape" : "TagDescriptionList",
"deprecated" : false,
"documentation" : "<p>A list of tags.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A list of tags.</p>*/
@n@param tags A list of tags.
@n@return Returns a reference to this object so that method calls can be chained together.*/"},
"xmlNameSpaceUri" : null
}
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\p>A list of tags.<p></p><p>@return A list of tags.*\n*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<TagDescription>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "TagDescription",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\p@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return *
*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "TagDescription",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"templateType": "java.util.List<TagDescription>"
},
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>A list of tags.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setTags(java.util.Collection)\} or \{@link #withTags(java.util.Collection)\} if you want to override the existing values.</p><p>@param tags A list of tags.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setTags",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TagDescription>",
"variableName": "tags",
"variableType": "java.util.List<TagDescription>",
"documentation": "",
"simpleType": "List<TagDescription>",
"variableSetterType": "java.util.Collection<TagDescription>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>A list of tags.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setTags(java.util.Collection)\} or \{@link #withTags(java.util.Collection)\} if you want to override the existing values.</p><p>@param tags A list of tags.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TagDescription>",
"variableName": "tags",
"variableType": "java.util.List<TagDescription>",
"documentation": "A list of tags."
"simpleType": "List<TagDescription>",
"variableSetterType": "java.util.Collection<TagDescription>"
},
"xmlNameSpaceUri": null
},
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setTags(java.util.Collection)\} or \{@link #withTags(java.util.Collection)\} if you want to override the existing values.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setTags(java.util.Collection)\} or \{@link #withTags(java.util.Collection)\} if you want to override the existing values.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": ""}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**\n<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return..\n@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return..*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return..\n@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return..\n@return Returns a reference to this object so that method calls can be chained together..*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return..</p>",
  "simpleType": "String",
  "variableSetterType": "String"
}
"xmlNameSpaceUri" : null
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"membersAsMap" : {
 "NextToken" : {
 "c2jName" : "NextToken",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withNextToken",
 "getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..*/",
 "getterMethodName" : "getNextToken",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "NextToken",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "nextToken",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "NextToken",
 "setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..*/",
 "setterMethodName" : "setNextToken",
}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagDescriptionList",
  "deprecated" : false,
  "documentation" : "<p>A list of tags.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>A list of tags.</p>
@param tags A list of tags.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/** <p>A list of tags.</p>
@return A list of tags.</p>",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<TagDescription>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
  },
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "TagDescription",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "TagDescription",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n*\n@returns */",

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "TagDescription",
  "variableName" : "member",
  "variableType" : "TagDescription",
  "documentation" : "",
  "simpleType" : "TagDescription",
  "variableSetterType" : "TagDescription"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "TagDescription",
  "variableName" : "member",
  "variableType" : "TagDescription",
  "documentation" : "",
  "simpleType" : "TagDescription",
  "variableSetterType" : "TagDescription"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "TagDescription",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TagDescription",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TagDescription>",
"templateType" : "java.util.List<TagDescription>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n@param tags A list of tags.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TagDescription>",
  "variableName" : "tags",
  "variableType" : "java.util.List<TagDescription>",
  "documentation" : "",
  "simpleType" : "List<TagDescription>",
  "variableSetterType" : "java.util.Collection<TagDescription>"
},
"simple" : false,
"varargSetterDocumentation": "/**
*A list of tags.

<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setTags(java.util.Collection)] or [@link withTags(java.util.Collection)] if you want to override the existing values.

@param tags A list of tags.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TagDescription>",
  "variableName": "tags",
  "variableType": "java.util.List<TagDescription>",
  "documentation": "A list of tags.

  @return Returns a reference to this object so that method calls can be chained together.*/",

"xmlNameSpaceUri": null
},

"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeTagsResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},

"variable": {
  "variableDeclarationType": "DescribeTagsResult",
  "variableName": "describeTagsResult",
  "variableType": "DescribeTagsResult",
  "documentation": null,
  "simpleType": "DescribeTagsResult",
  "variableSetterType": "DescribeTagsResult"
},

"wrapper": false
},

"DescribeVolumeAttributeRequest": {
  "c2jName": "DescribeVolumeAttributeRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "Contains the parameters for DescribeVolumeAttribute.

  @param tags A list of tags.
  @return Returns a reference to this object so that method calls can be chained together.*/",

"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeVolumeAttribute",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "VolumeId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the volume.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n**<p>The ID of the volume.</p>\n*/\n@<param volumeId The ID of the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeId",
    "getterDocumentation" : "/*\n**<p>The ID of the volume.</p>\n*/\n@<return The ID of the volume.*/",
    "getterMethodName" : "getVolumeId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VolumeId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VolumeId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "VolumeId",
    "setterDocumentation" : "/*\n**<p>The ID of the volume.</p>\n*/\n@<param volumeId The ID of the volume.*/",
    "setterMethodName" : "setVolumeId",
    "setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the volume.</p>
@param volumeId The ID of the
volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "Attribute",
  "c2jShape" : "VolumeAttributeName",
  "deprecated" : false,
  "documentation" : "<p>The instance attribute.</p>",
  "enumType" : "VolumeAttributeName",
  "fluentSetterDocumentation" : "/**\n<p>The instance attribute.</p>
@param attribute The instance
attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/",
  "fluentSetterMethodName" : "withAttribute",
  "getterDocumentation" : "/**\n<p>The instance attribute.</p>
@return The instance attribute.
@see VolumeAttributeName*/",
  "getterMethodName" : "getAttribute",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshalLocationName" : "Attribute",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "Attribute",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@see VolumeAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The instance attribute.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}
],
"membersAsMap" : {
  "Attribute" : {
    "c2jName" : "Attribute",
    "c2jShape" : "VolumeAttributeName",
    "deprecated" : false,
    "documentation" : "<p>The instance attribute.</p>",
    "enumType" : "VolumeAttributeName",
    "fluentSetterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/",
    "fluentSetterMethodName" : "withAttribute",
    "getterDocumentation" : "/**<p>The instance attribute.</p>
@return The instance attribute.
@see VolumeAttributeName*/",
    "getterMethodName" : "getAttribute",
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Attribute",
    "setterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@see VolumeAttributeName*/",
    "setterMethodName" : "setAttribute",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "attribute",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/",
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "attribute",
      "variableType" : "String",
      "documentation" : "<p>The instance attribute.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Attribute",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@see VolumeAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The instance attribute.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>\n@param volumeId The ID of the volume.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VolumeId" ],
"shapeName" : "DescribeVolumeAttributeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVolumeAttributeRequest",
  "variableName" : "describeVolumeAttributeRequest",
  "variableType" : "DescribeVolumeAttributeRequest",
  "documentation" : null,
  "simpleType" : "DescribeVolumeAttributeRequest",
  "variableSetterType" : "DescribeVolumeAttributeRequest"
},
"wrapper" : false,
"DescribeVolumeAttributeResult" : {
  "c2jName" : "DescribeVolumeAttributeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVolumeAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "VolumeId",
    "simpleType" : "String",
    "variableDeclarationType" : "String",
    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the volume.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  ...
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>
@returns {string} The ID of the volume.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume.</p>
@returns {string} The ID of the volume.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@returns {string} The ID of the volume.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : ",",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@returns {string} The ID of the volume.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType": "String",
"variableName": "volumeId",
"variableType": "String",
"documentation": "<p>The ID of the volume.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
"c2jName": "AutoEnableIO",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>The state of <code>autoEnableIO</code> attribute.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The state of <code>autoEnableIO</code> attribute.</p>
@param autoEnableIO The state of <code>autoEnableIO</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAutoEnableIO",
"getterDocumentation": "/**<p>The state of <code>autoEnableIO</code> attribute.</p>
@return The state of <code>autoEnableIO</code> attribute.*/",
"getterMethodName": "getAutoEnableIO",
"getterModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": "Value",
"additionalUnmarshallingPath": "value",
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AutoEnableIO",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "autoEnableIO",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AutoEnableIO",
"setterDocumentation": "/**<p>The state of <code>autoEnableIO</code> attribute.</p>
@param autoEnableIO The state of <code>autoEnableIO</code> attribute.*/",
"setterMethodName": "setAutoEnableIO"
"setterMethodName" : "setAutoEnableIO",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The state of <code>autoEnableIO</code> attribute.</p>
* @param autoEnableIO The state of <code>autoEnableIO</code> attribute.
* @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "<p>The state of <code>autoEnableIO</code> attribute.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, { "c2jName" : "ProductCodes",
  "c2jShape" : "ProductCodeList",
  "deprecated" : false,
  "documentation" : "<p>A list of product codes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>A list of product codes.</p>
* @param productCodes A list of product codes.
* @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withProductCodes",
  "getterDocumentation" : "/** <p>A list of product codes.</p>
* @return A list of product codes. */",
  "getterMethodName" : "getProductCodes",
  "getterModel" : {
    "returnType" : "java.util.List<ProductCode>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductCodes",
    "queryString" : false,
"statusCode": false,
"unmarshallLocationName": "productCodes",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ProductCode",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
\n@param member
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "ProductCode",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n\n@param member
\n*/",
    "setterMethodName": "setMember",
    "setterModel": {
  
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n\n@param member
\n*/",
"setterMethodName": "setMember",
"setterModel": {


"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>"
},
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>

NOTE: This method appends
the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>

@nothrows

<p>A list of product codes.</p>

@return Returns a reference to this object so that method calls can be chained together.</p>

```

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "A list of product codes.",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
  "AutoEnableIO" : {
    "c2jName" : "AutoEnableIO",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "The state of \(\text{autoEnableIO}\) attribute.",
    "enumType" : null,
    "fluentSetterDocumentation" : "\text{The state of } \text{autoEnableIO}\text{ attribute.}\*

@throws

\text{autoEnableIO} \text{The state of } \text{autoEnableIO}\text{ attribute.}\*

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withAutoEnableIO",
"getterDocumentation" : "\text{The state of } \text{autoEnableIO}\text{ attribute.}\",
"getterMethodName" : "getAutoEnableIO",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AutoEnableIO",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "autoEnableIO",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "A list of product codes.",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
  "AutoEnableIO" : {
    "c2jName" : "AutoEnableIO",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "The state of \(\text{autoEnableIO}\) attribute.",
    "enumType" : null,
    "fluentSetterDocumentation" : "\text{The state of } \text{autoEnableIO}\text{ attribute.}\*

@throws

\text{autoEnableIO} \text{The state of } \text{autoEnableIO}\text{ attribute.}\*

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withAutoEnableIO",
"getterDocumentation" : "\text{The state of } \text{autoEnableIO}\text{ attribute.}\",
"getterMethodName" : "getAutoEnableIO",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AutoEnableIO",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "autoEnableIO",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AutoEnableIO",
"setterDocumentation": "/**\n<p>The state of <code>autoEnableIO</code> attribute.</p>\n@param autoEnableIO The state of <code>autoEnableIO</code> attribute.</param*/",
"setterMethodName": "setAutoEnableIO",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "autoEnableIO",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The state of <code>autoEnableIO</code> attribute.</p>\n@param autoEnableIO The state of <code>autoEnableIO</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.</param*/",
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "autoEnableIO",
"variableType": "Boolean",
"documentation": "<p>The state of <code>autoEnableIO</code> attribute.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"ProductCodes": {
"c2jName": "ProductCodes",
"c2jShape": "ProductCodeList",
"deprecated": false,
"documentation": "<p>A list of product codes.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>A list of product codes.</p>\n@param productCodes A list of product codes.\n@return Returns a reference to this object so that method calls can be chained together.</param*/",
"fluentSetterMethodName": "withProductCodes",
"getterDocumentation": "/**\n<p>A list of product codes.</p>\n@return A list of product codes.</param*/",
"getterMethodName": "getProductCodes",
"getterModel": {
"returnType": "java.util.List<ProductCode>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ProductCodes",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "productCodes",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ProductCode",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
null,
false,
null,
"Member",
/**
* @param member */
* @return Returns a reference to this object so that method calls can be chained together.*
*

} {

"member": "ProductCode",
"member": "member",
"member": "ProductCode",
"member": "",
"member": "ProductCode",
"member": "ProductCode"

null

"item",
"ProductCode",
false,
false,
null,
null,
false,
"ProductCode",
"com.amazonaws.internal.SdkInternalList<ProductCode>",
"java.util.List<ProductCode>"

false,
null,
"ProductCodes",
/**
* A list of product codes.*/
* param productCodes A list of product codes.*
*

"setProductCodes",
null,
"ProductCodes",
"com.amazonaws.internal.SdkInternalList<ProductCode>",
"productCodes",
"variableDeclarationType": "ProductCode",
"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
"variableSetterType": "ProductCode"

null

"item",
"ProductCode",
false,
null,
null,
false,
"ProductCode",
"com.amazonaws.internal.SdkInternalList<ProductCode>",
"java.util.List<ProductCode>"

false,
null,
"ProductCodes",
/**
* A list of product codes.*/
* param productCodes A list of product codes.*
* 

"setProductCodes",
null,
"ProductCodes",
"com.amazonaws.internal.SdkInternalList<ProductCode>",
"productCodes",
"variableDeclarationType": "ProductCode",
"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
"variableSetterType": "ProductCode"}
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>",

"simple" : false,
"varargSetterDocumentation" : "*/
"varargSetterMethodName" : "withProductCodes",
"getterDocumentation" : "*/

"xmlNameSpaceUri" : null
},

"VolumeId" : {
  "c2jName" : "VolumeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the volume.",
  "enumType" : null,
  "fluentSetterDocumentation" : "*/
  "getterDocumentation" : "*/
  "getterMethodName" : "getVolumeId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeId",

NOTE: This method appends the values to the existing list (if any). Use { @link #setProductCodes(java.util.Collection)} or { @link #withProductCodes(java.util.Collection)} if you want to override the existing values.

A list of product codes.

@returns Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "A list of product codes.",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>",
},
"xmlNameSpaceUri" : null
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the
volume.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumeAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeVolumeAttributeResult",
  "variableName" : "describeVolumeAttributeResult",
  "variableType" : "DescribeVolumeAttributeResult",
  "documentation" : null,
  "simpleType" : "DescribeVolumeAttributeResult",
  "variableSetterType" : "DescribeVolumeAttributeResult"
}.
"wrapper" : false
},
"DescribeVolumeStatusRequest" : {
  "c2jName" : "DescribeVolumeStatusRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVolumeStatus.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeVolumeStatus",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "VolumeIds",
      "c2jShape" : "VolumeIdStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>
@param volumeIds One or more volume IDs.<p>Default: Describes all your volumes.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>
*",
      "fluentSetterMethodName" : "withVolumeIds",
      "getterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>
@return One or more volume IDs.<p>Default: Describes all your volumes.</p>
*",
      "getterMethodName" : "getVolumeIds",
      "getterModel" : {
        "returnType" : "java.util.List<String>"
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false
      }
    }
  ]
}
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VolumeId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VolumeId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
  }
}
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VolumeId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>\n@param volumeIds One or more volume IDs.</p> <p>Default: Describes all your volumes.*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p> <p>Note: This method appends the values to the existing list (if any). Use { @link #setVolumeIds(java.util.Collection) } or { @link #withVolumeIds(java.util.Collection) } if you want to override the existing values.</p> <p>@param volumeIds One or more volume IDs.</p> <p>@return Returns a reference to this object so that method calls can be chained together.</p> */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more volume IDs.
  Default: Describes all your volumes.
  \n  \n  @param volumeIds One or more volume IDs.
  @return Returns a reference to this object so that method calls can be chained together."
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p>
<ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p>
<ul>
"enumType" : null,
<code>action.event-id</code> - The event ID associated with the action.

<code>availability-zone</code> - The Availability Zone of the instance.

<code>event.description</code> - A description of the event.

<code>event.event-id</code> - The event ID.


<code>event.not-after</code> - The latest end time for the event.

<code>event.not-before</code> - The earliest start time for the event.


<code>volume-status.status</code> - The status of the volume (<code>ok</code> | <code>impaired</code> | <code>warning</code> | <code>insufficient-data</code>). 

```
getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
```
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n* @return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n* @param member
* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
"xmlNameSpaceUri": null,
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul>
<li><code>action.code</code> - The action code for the event (for example, <code>enable-volume-io</code>).</li>
<li><code>action.description</code> - A description of the action.</li>
<li><code>action.event-id</code> - The event ID associated with the action.</li>
<li><code>availability-zone</code> - The Availability Zone of the instance.</li>
<li><code>event.description</code> - A description of the event.</li>
<li><code>event.event-id</code> - The event ID.</li>
<li><code>event.not-after</code> - The latest end time for the event.</li>
<li><code>event.not-before</code> - The earliest start time for the event.</li>
<li><code>volume-status.status</code> - The status of the volume (<code>ok</code> | <code>impaired</code> | <code>warning</code> | <code>insufficient-data</code>).</li>
</ul>
@param filters One or more filters.
"/**<p>One or more filters.</p> <ul>
<li><code>action.code</code> - The action code for the event (for example, <code>enable-volume-io</code>).</li>
<li><code>action.description</code> - A description of the action.</li>
<li><code>action.event-id</code> - The event ID associated with the action.</li>
<li><code>availability-zone</code> - The Availability Zone of the instance.</li>
<li><code>event.description</code> - A description of the event.</li>
<li><code>event.event-id</code> - The event ID.</li>
<li><code>event.not-after</code> - The latest end time for the event.</li>
<li><code>event.not-before</code> - The earliest start time for the event.</li>
<li><code>volume-status.status</code> - The status of the volume (<code>ok</code> | <code>impaired</code> | <code>warning</code> | <code>insufficient-data</code>).</li>
</ul>
@Param filters One or more filters.
"/

```
setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
</li> <ul>
<li><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setFilters(java.util.Collection)] or [@link withFilters(java.util.Collection)] if you want to override the existing values.</li>
</ul>
</ul>
</p>
```
- The status of the volume (<code>ok</code> | <code>impaired</code> | <code>warning</code> | <code>insufficient-data</code>).\p
  \n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p> <ul>
    <li> <p> <code>action.code</code> - The action code for the event (for example, <code>enable-volume-io</code>).</p> </li>
    <li> <p> <code>action.description</code> - A description of the action.</p> </li>
    <li> <p> <code>action.event-id</code> - The event ID associated with the action.</p> </li>
    <li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li>
    <li> <p> <code>event.description</code> - A description of the event.</p> </li>
      <li> <p> <code>event.not-after</code> - The latest end time for the event.</p> </li>
      <li> <p> <code>event.not-before</code> - The earliest start time for the event.</p> </li>
      <li> <p> <code>volume-status.status</code> - The status of the volume (<code>ok</code> | <code>impaired</code> | <code>warning</code> | <code>insufficient-data</code>).\p
        </li>
    </ul>
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */",
"enumType" : null,
"fluentSetterDocumentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. Returns a reference to this object so that method calls can be chained together. */", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 5891
getterMethodName" : "getNextToken",
getterModel" : { 
"returnType" : "String",
"documentation" : null
},

"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n* The \<code>NextToken</code> value to include in a future \<code>DescribeVolumeStatus</code> request. When the results of the request exceed \<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is \<code>null</code> when there are no more results to return.*/",

setterMethodName" : "setNextToken",
setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The \<code>NextToken</code> value to include in a future \<code>DescribeVolumeStatus</code> request. When the results of the request exceed \<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is \<code>null</code> when there are no more results to return.*/",}
<code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p>
@<code>param</code> nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p>@</code>return</code> Returns a reference to this object so that method calls can be chained together.*/

```

"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": 
  "The NextToken value to include in a future DescribeVolumeStatus request. When the results of the request exceed MaxResults, this value can be used to retrieve the next page of results. This value is null when there are no more results to return."
},
"complexType": "String",
"variableSetterType": "String"
}

"xmlNameSpaceUri": null
}
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": 
  "The maximum number of volume results returned by DescribeVolumeStatus in paginated output. When this parameter is used, the request only returns results in a single page along with a NextToken response element. The remaining results of the initial request can be seen by sending another request with the returned NextToken value. This value can be between 5 and 1000; if MaxResults is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then DescribeVolumeStatus returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."

"enumType": null,
"fluentSetterDocumentation": 
  "The maximum number of volume results returned by DescribeVolumeStatus in paginated output. When this parameter is used, the request only returns results in a single page along with a NextToken response element. The remaining results of the initial request can be seen by sending another request with the returned NextToken value. This value can be between 5 and 1000; if MaxResults is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then DescribeVolumeStatus returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."

"fluentSetterMethodName": "withMaxResults",
/*<p>The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>

@return The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.*/
parameter in the same request. */
@param maxResults The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request. */

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request. */

@return Returns a reference to this object so that method calls can be chained
together. */

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request. */
@param filters One or more filters.
"/>",
"enumType" : null,
@param filters One or more filters.
"/>",
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,

```java
public void addFilters(String... filters) {
    // Add filters to the event filters list.
}
```

### Fluent Setters

- **withFilter**: Adds a filter to the list of filters.
- **withFilters**: Adds multiple filters to the list.

```java
public void withFilters(String... filters) {
    // Adds multiple filters to the event filters list.
}
```

### Fluent Method Names

- **setup**: Sets up the event filters.
- **withFilters**: Adds multiple filters to the event filters list.

```java
public void withFilters(String... filters) {
    // Adds multiple filters to the event filters list.
}
```

### Fluent Method Names

- **setup**: Sets up the event filters.
- **withFilters**: Adds multiple filters to the event filters list.

```java
public void withFilters(String... filters) {
    // Adds multiple filters to the event filters list.
}
```

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- **setup**: Sets up the event filters.
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public void withFilters(String... filters) {
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}
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public void withFilters(String... filters) {
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}
```

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- **setup**: Sets up the event filters.
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public void withFilters(String... filters) {
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}
```

### Fluent Method Names

- **setup**: Sets up the event filters.
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```java
public void withFilters(String... filters) {
    // Adds multiple filters to the event filters list.
}
```

### Fluent Method Names

- **setup**: Sets up the event filters.
- **withFilters**: Adds multiple filters to the event filters list.

```java
public void withFilters(String... filters) {
    // Adds multiple filters to the event filters list.
}
```

### Fluent Method Names

- **setup**: Sets up the event filters.
- **withFilters**: Adds multiple filters to the event filters list.

```java
public void withFilters(String... filters) {
    // Adds multiple filters to the event filters list.
}
```

### Fluent Method Names

- **setup**: Sets up the event filters.
- **withFilters**: Adds multiple filters to the event filters list.

```java
public void withFilters(String... filters) {
    // Adds multiple filters to the event filters list.
}
```
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"}
**Documentation**: 

- **class**: `com.amazonaws.model.Filter`
- **description**: One or more filters.
- **simpleType**: `List<Filter>`
- **setterMethodName**: `setFilters`
- **setterModel**: 
  ```java
  public void setFilters(java.util.Collection<Filter> filters) {
  }
  ```

- **parameter**
  ```java
  @param filters One or more filters.
  ```

**Action Code**

- **code**: `action.code`
- **description**: The action code for the event (for example, `enable-volume-io`).
- **event-id**: The event ID associated with the action.
- **availability-zone**: The Availability Zone of the instance.
- **volume-status**: The status of the volume (for `io-enabled`: `ok | impaired | warning | insufficient-data`).

**Action Event**

- **code**: `action.event-id`
- **description**: A description of the event.
- **event-id**: The event ID of the instance.
- **not-after**: The latest end time for the event.
- **not-before**: The earliest start time for the event.

**Volume Status**

- **code**: `volume-status.details-name`
- **status**: The status of the volume (for `io-enabled`: `ok | impaired | warning | insufficient-data`).
- **details-status**: The status of `volume-status.details-name` (for `io-enabled`: `ok | impaired | warning | insufficient-data`).

**Event Details**

- **code**: `event.description`
- **event-id**: The event ID of the event.
- **not-after**: The latest end time for the event.
- **not-before**: The earliest start time for the event.

**Availability Zone**

- **code**: `availability-zone`
- **status**: The Availability Zone of the instance.

**Filter**

- **code**: `filter.code`
- **description**: A description of the filter.
- **event-id**: The event ID associated with the filter.
- **availability-zone**: The Availability Zone of the instance.

---

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The action code for the event (for example, `<code>enable-volume-io</code>`).

- `<code>action.description</code>` - A description of the action.
- `<code>action.event-id</code>` - The event ID associated with the action.
- `<code>availability-zone</code>` - The Availability Zone of the instance.
- `<code>event.description</code>` - A description of the event.
- `<code>event.event-id</code>` - The event ID.
- `<code>event.not-after</code>` - The latest end time for the event.
- `<code>event.not-before</code>` - The earliest start time for the event.
- `<code>action.code</code>` - The action code for the event (for example, `<code>enable-volume-io</code>`).
- `<code>action.description</code>` - A description of the action.
- `<code>action.event-id</code>` - The event ID associated with the action.
- `<code>availability-zone</code>` - The Availability Zone of the instance.
- `<code>event.description</code>` - A description of the event.
- `<code>event.event-id</code>` - The event ID.
- `<code>event.not-after</code>` - The latest end time for the event.
- `<code>event.not-before</code>` - The earliest start time for the event.

*variable*:

```
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.
  }
```

*variable*:

```
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.
  }
```

```java
public class Filters {

    // Method append the values to the existing list (if any).
    public void append(Filter filter) {
        filters.add(filter);
    }

    // Method returns a reference to this object so that method calls can be chained together.
    public Filters withFilters(java.util.Collection<Filter> filters) {
        this.filters.addAll(filters);
        return this;
    }
}
```
<li><p><code>event.not-after</code> - The latest end time for the event.</p></li>
<li><p><code>event.not-before</code> - The earliest start time for the event.</p></li>

```java
import java.util.Collection;
import java.util.List;

public class Filter {
    private String _c2jName;
    private Integer _c2jShape;
    private boolean _deprecated;
    private String _documentation;
    private List<Filter> _simpleType;
    private java.util.Collection<Filter> _variableSetterType;

    public List<Filter> getSimpleType() {
        return _simpleType;
    }

    public java.util.Collection<Filter> getVariableSetterType() {
        return _variableSetterType;
    }

    public void setSimpleType(List<Filter> simpleType) {
        _simpleType = simpleType;
    }

    public void setVariableSetterType(java.util.Collection<Filter> variableSetterType) {
        _variableSetterType = variableSetterType;
    }

    public String getDocumentation() {
        return _documentation;
    }

    public void setDocumentation(String documentation) {
        _documentation = documentation;
    }

    public String getDirectoryName() {
        return _c2jName;
    }

    public void setDirectoryName(String c2jName) {
        _c2jName = c2jName;
    }

    public Integer getShape() {
        return _c2jShape;
    }

    public void setShape(Integer c2jShape) {
        _c2jShape = c2jShape;
    }

    public boolean isDeprecated() {
        return _deprecated;
    }

    public void setDeprecated(boolean deprecated) {
        _deprecated = deprecated;
    }

    @Override
    public String toString() {
        return _documentation;
    }
}
```

The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request. Returns a reference to this object so that method calls can be chained together.

```java
public class DescribeVolumesResult {

    private List<Filter> _simpleType;
    private java.util.Collection<Filter> _variableSetterType;
    private String _documentation;
    private Filter _simpleType;
    private java.util.Collection<Filter> _variableSetterType;

    public List<Filter> getSimpleType() {
        return _simpleType;
    }

    public java.util.Collection<Filter> getVariableSetterType() {
        return _variableSetterType;
    }

    public void setSimpleType(List<Filter> simpleType) {
        _simpleType = simpleType;
    }

    public void setVariableSetterType(java.util.Collection<Filter> variableSetterType) {
        _variableSetterType = variableSetterType;
    }

    public String getDocumentation() {
        return _documentation;
    }

    public void setDocumentation(String documentation) {
        _documentation = documentation;
    }

    public Filter getDirectoryName() {
        return _simpleType;
    }

    public void setDirectoryName(Filter c2jName) {
        _simpleType = c2jName;
    }

    public Integer getShape() {
        return _variableSetterType;
    }

    public void setShape(Integer c2jShape) {
        _variableSetterType = c2jShape;
    }

    public boolean isDeprecated() {
        return _documentation;
    }

    public void setDeprecated(boolean deprecated) {
        _documentation = deprecated;
    }

    @Override
    public String toString() {
        return _documentation;
    }
}
```

The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request. Returns a reference to this object so that method calls can be chained together.

```java
public class DescribeVolumesResult {

    private List<Filter> _simpleType;
    private java.util.Collection<Filter> _variableSetterType;
    private String _documentation;
    private Filter _simpleType;
    private java.util.Collection<Filter> _variableSetterType;

    public List<Filter> getSimpleType() {
        return _simpleType;
    }

    public java.util.Collection<Filter> getVariableSetterType() {
        return _variableSetterType;
    }

    public void setSimpleType(List<Filter> simpleType) {
        _simpleType = simpleType;
    }

    public void setVariableSetterType(java.util.Collection<Filter> variableSetterType) {
        _variableSetterType = variableSetterType;
    }

    public String getDocumentation() {
        return _documentation;
    }

    public void setDocumentation(String documentation) {
        _documentation = documentation;
    }

    public Filter getDirectoryName() {
        return _simpleType;
    }

    public void setDirectoryName(Filter c2jName) {
        _simpleType = c2jName;
    }

    public Integer getShape() {
        return _variableSetterType;
    }

    public void setShape(Integer c2jShape) {
        _variableSetterType = c2jShape;
    }

    public boolean isDeprecated() {
        return _documentation;
    }

    public void setDeprecated(boolean deprecated) {
        _documentation = deprecated;
    }

    @Override
    public String toString() {
        return _documentation;
    }
}
```
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

```
/**
 * The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

```

```
"NextToken" value. This value can be between 5 and 1000; if "MaxResults" is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request. */

setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request. */\n@param maxResults The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.\n@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "<p>The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.\n"simpleType" : "Integer",
"variableSetterType" : "Integer"
}
"xmlNameSpaceUri" : null}
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return."",
"enumType" : null,
"fluentSetterDocumentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

/*
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

/*
 * @return The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
 */

"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "NextToken",
"setterDocumentation": "/**\n<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"VolumeIds": {
  "c2jName": "VolumeIds",
  "c2jShape": "VolumeIdStringList",
  "deprecated": false,
  "documentation": "<p>One or more volume IDs. Default: Describes all your volumes.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>One or more volume IDs. Default: Describes all your volumes.</p>
@param volumeIds One or more volume IDs. Default: Describes all your volumes.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVolumeIds",
  "getterDocumentation": "/**\n<p>The <code>VolumeIds</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param volumeIds The <code>VolumeIds</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
  "getterMethodName": "getVolumeIds",
  "getterModel": {
    "variableDeclarationType": "String",
    "variableName": "volumeIds",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargGetterDocumentation": "/**\n<p>The <code>VolumeIds</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param volumeIds The <code>VolumeIds</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "varargGetterMethodName": "withVolumeIds",
  "xmlNameSpaceUri": null
}
"getterDocumentation": "/**<p>One or more volume IDs.<p> Default: Describes all your volumes.</p><p>\n@return One or more volume IDs.<p> Default: Describes all your volumes.*\*/",
"getterMethodName": "getVolumeIds",
"getterModel": {
  "returnType": "java.util.List<String>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VolumeId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VolumeId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      " returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
isPayload{"false
isStreaming{"false
location"null
marshallLocationName"VolumeId
queryString"false
statusCode"false
unmarshallLocationName"VolumeId
uri"false
idempotencyToken"false
list"false
listModel"null
map"false
mapModel"null
name"Member
setterDocumentation"/**
@param member */
setterMethodName"setMember
setterModel{"variableDeclarationType"String
variableName"member
variableType"String
documentation"
simpleType"String
variableSetterType"String
}
simple"true
varargSetterDocumentation"/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/
variable{"variableDeclarationType"String
variableName"member
variableType"String
documentation"
simpleType"String
variableSetterType"String
}
xmNameSpaceUri"null
memberLocationName"VolumeId
memberType"String
map"false
marshallNonAutoConstructedEmptyLists"false
memberAdditionalMarshallingPath"null
memberAdditionalUnmarshallingPath"null
sendEmptyQueryString"false
simple"true
simpleType"String
templateImplType"com.amazonaws.internal.SdkInternalList<String>,

"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "VolumeIds",
"setterDocumentation": "/**<p>One or more volume IDs.</p>
<p>Default: Describes all your volumes.</p>
<p>NOTE:</p>This method appends the values to the existing list (if any). Use { @link #setVolumeIds(java.util.Collection) } or { @link #withVolumeIds(java.util.Collection) } if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setVolumeIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "volumeIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
"xmlNameSpaceUri": null
},
"varargSetterDocumentation": "/**<p>One or more volume IDs.</p>
<p>Default: Describes all your volumes.</p>
<p>NOTE:</p>This method appends the values to the existing list (if any). Use { @link #setVolumeIds(java.util.Collection) } or { @link #withVolumeIds(java.util.Collection) } if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "volumeIds",
"variableType": "java.util.List<String>",
"documentation": "<p>One or more volume IDs.</p>
<p>Default: Describes all your volumes.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeVolumeStatusRequest",
"unmarshaller": null,
"variable": {
"variableDeclarationType": "DescribeVolumeStatusRequest",
"variableName": "describeVolumeStatusRequest",
"variableType": "DescribeVolumeStatusRequest",
"documentation": null,
"simpleType": "DescribeVolumeStatusRequest",
"variableSetterType": "DescribeVolumeStatusRequest"
},
"wrapper": false}
"DescribeVolumeStatusResult" : {
    "c2jName" : "DescribeVolumeStatusResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
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    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
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        "deprecated" : false,
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        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>A list of volumes.</p>\n@param volumeStatuses A list of volumes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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            "documentation" : null
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        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>A list of volumes.</p>\n@param volumeStatuses A list of volumes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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            "documentation" : null
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            "header" : false,
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            "queryString" : false,
            "statusCode" : false,
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            "uri" : false
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        "idempotencyToken" : false,
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    "getterMethodName" : "getMember",
    "getterModel" : {
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    "list" : false,
    "listModel" : null,
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      "documentation" : "",
      "simpleType" : "VolumeStatusItem",
      "documentation" : null
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      "getterDocumentation" : "/**\n@return\n*",
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        "documentation" : null
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        "simpleType" : "VolumeStatusItem",
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
      },
      "idempotencyToken" : false,
    },
  }
}

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"variableSetterType" : "VolumeStatusItem",
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableName" : "member",
 "variableType" : "VolumeStatusItem",
 "documentation" : "",
 "simpleType" : "VolumeStatusItem",
 "variableSetterType" : "VolumeStatusItem"
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"xmlNameSpaceUri" : null
].
"memberLocationName" : "item",
"memberType" : "VolumeStatusItem",
"map" : false,
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<VolumeStatusItem>"
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"map" : false,
"mapModel" : null,
"name" : "VolumeStatuses",
"setterDocumentation" : "/**
<p>A list of volumes.</p>
@param volumeStatuses A list of volumes.*/",
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 "variableName" : "volumeStatuses",
 "variableType" : "java.util.List<VolumeStatusItem>",
 "documentation" : "",
 "simpleType" : "List<VolumeStatusItem>",
 "variableSetterType" : "java.util.Collection<VolumeStatusItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>A list of volumes.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolumeStatuses(java.util.Collection)} or { @link #withVolumeStatuses(java.util.Collection)} if you want to override the existing values.*/

@param volumeStatuses A list of volumes.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>A list of volumes.</p>",
"simpleType" : "List<VolumeStatusItem>",
"variableSetterType" : "java.util.Collection<VolumeStatusItem>"
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"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@returns
A reference to this object so that method calls can be chained together.*
",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**
<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return
The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*
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"documentation" : null
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",}
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
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@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
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    "unmarshallLocationName": "nextToken",
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
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  "mapModel": null,
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  "setterDocumentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
 @param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.
  */",
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    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
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  @param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.
  */",
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    "variableName": "nextToken",
    "variableType": "String",
    "documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
  "simpleType": "String",
  "variableSetterType": "String"
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  "c2jShape" : "VolumeStatusList",
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  "documentation" : "<p>A list of volumes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of volumes.</p>
  @param volumeStatuses A list of volumes.*/
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumeStatuses",
  "getterDocumentation" : "/**<p>A list of volumes.</p>
  @return A list of volumes.*/",
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  "getterModel" : {
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    "documentation" : null
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    "unmarshallLocationName" : "volumeStatusSet",
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      "documentation" : "",
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      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n  @return */",
      "getterMethodName" : "getMember",
    }
  }
}
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  "greedy" : false,
  "header" : false,
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  "uri" : false
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\n@param member */",
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"setterModel" : {
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    "variableType" : "VolumeStatusItem",
    "documentation" : "",
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    "variableSetterType" : "VolumeStatusItem"
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    "variableType" : "VolumeStatusItem",
    "documentation" : "",
    "simpleType" : "VolumeStatusItem",
    "variableSetterType" : "VolumeStatusItem"
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"xmlNameSpaceUri" : null
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"memberType" : "VolumeStatusItem",
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"sendEmptyQueryString" : false,
"simple" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusItem>",
"templateType" : "java.util.List<VolumeStatusItem>"}
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@param volumeStatuses A list of volumes.*/",
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"documentation" : "",
"simpleType" : "List<VolumeStatusItem>",
"variableSetterType" : "java.util.Collection<VolumeStatusItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/*/p>A list of volumes.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolumeStatuses(java.util.Collection)} or {@link #withVolumeStatuses(java.util.Collection)} if you want to override the existing values.</p>
@param volumeStatuses A list of volumes.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "volumeStatuses",
"variableType" : "java.util.List<VolumeStatusItem>",
"documentation" : "A list of volumes.*",
"simpleType" : "List<VolumeStatusItem>",
"variableSetterType" : "java.util.Collection<VolumeStatusItem>"
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}
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"required" : null,
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"unmarshaller" : {null}
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"getterModel" : {
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   "documentation" : null
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
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   "unmarshallLocationName" : "VolumeId",
   "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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   "interfaceType" : "java.util.List",
   "listMemberModel" : {
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      "c2jShape" : "String",
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      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
   @param member
   @return Returns a reference to this object so that
   method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**
   @return */",
      "getterMethodName" : "getMember",
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         "documentation" : null
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         "additionalUnmarshallingPath" : null,
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         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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 "variableType" : "String",
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 "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**
@returns a reference to this object so that method calls can be chained together. */",
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 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
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"templateType" : "java.util.List<String>"}
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"mapModel": null,
"name": "VolumeIds",
"setterDocumentation": "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>
@param volumeIds One or more volume IDs for which in-progress modifications will be described.*!/",
"setterMethodName": "setVolumeIds",
"setterModel": {
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  "variableName": "volumeIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,

"varargSetterDocumentation": "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>

\n@ param volumeIds One or more volume IDs for which in-progress modifications will be described.\n@ return Returns a reference to this object so that method calls can be chained together.*!/",
"varargSetterMethodName": "withVolumeIds",

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "volumeIds",
  "variableType": "java.util.List<String>",
  "documentation": "One or more volume IDs for which in-progress modifications will be described.\n\n@ return Returns a reference to this object so that method calls can be chained together.*!/",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},

"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,

@ return Returns a reference to this object so that method calls can be chained together.*!/",
"enumType": null,
"fluentSetterDocumentation": "One or more filters. Supported filters: <code>volume-id</code>, <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. \n@ return Returns a reference to this object so that method calls can be chained together.*!/",
"fluentSetterMethodName": "withFilters",


@return One or more filters. Supported filters: <code>volume-id</code>, <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>.*/",

"getterMethodName" : "getFilters",

"getterModel" : {
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  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
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"listModel" : null,
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"mapModel" : null,
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"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
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"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
@param filters One or more filters. Supported filters: <code>volume-id</code>, <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. */",
"setterMethodName" : "setFilters",
"setterModel" : {
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  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>",
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. </p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values. </p><p>@param filters One or more filters. Supported filters: <code>volume-id</code>, <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "filters",
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  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>",
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The &lt;code&gt;nextToken&lt;/code&gt; value returned by a previous paginated request.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The &lt;code&gt;nextToken&lt;/code&gt; value returned by a previous paginated request.&lt;/p&gt;
@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**&lt;p&gt;The &lt;code&gt;nextToken&lt;/code&gt; value returned by a previous paginated request.&lt;/p&gt;
@returns The &lt;code&gt;nextToken&lt;/code&gt; value returned by a previous paginated request.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**&lt;p&gt;The &lt;code&gt;nextToken&lt;/code&gt; value returned by a previous paginated request.&lt;/p&gt;
@returns A reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
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    "variableType" : "String",
    "documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String",

"variable" : {
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"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The <code>nextToken</code> value returned by a previous paginated request.
@param nextToken The <code>nextToken</code> value returned by a previous paginated request.
@return Returns a reference to this object so that method calls can be chained together.
"simpleType" : "String",
"variableSetterType" : "String"
},
"variableDocumentation" : "The <code>nextToken</code> value returned by a previous paginated request.
@param nextToken The <code>nextToken</code> value returned by a previous paginated request.
@return Returns a reference to this object so that method calls can be chained together.
"enumType" : "Number",
"getterDocumentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated request.

@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.
@return The maximum number of results (up to a limit of 500) to be returned in a paginated request.
"getterModel" : {"returnType" : "Number"},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults"}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : /**<p>The maximum number of results (up to a limit of 500) to be returned in a
paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned
in a paginated request.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>The maximum number of results (up to a limit of 500) to be returned in
a paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned
in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated
request.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "type" : "FilterList",
  "varargSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "simple" : true,
  "varargSetterDocumentation" : /**<p>The maximum number of results (up to a limit of 500) to be returned in
a paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned
in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
  "documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated
request.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
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  "varargSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
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  "varargSetterDocumentation" : /**<p>The maximum number of results (up to a limit of 500) to be returned in
a paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned
in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated
request.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "type" : "FilterList",
  "varargSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
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  "varargSetterDocumentation" : /**<p>The maximum number of results (up to a limit of 500) to be returned in
a paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned
in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated
request.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
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  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "type" : "FilterList",
  "varargSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
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  "simple" : true,
  "varargSetterDocumentation" : /**<p>The maximum number of results (up to a limit of 500) to be returned in
a paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned
in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
  "documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated
request.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, 
  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>, <code>modification-
state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>,
"fluentSetterMethod Name": "withFilters",
"getterDocumentation": "/**
@param filters One or more filters. Supported filters: <code>volume-id</code>,
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>,
<code>start-time</code>
*/",
"getterMethodName": "getFilters",
"getterModel": {
"returnType": "java.util.List<Filter>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": false,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Filter",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@name Returns a reference to this object so that method calls can be chained together.
*/",
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"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
"setterDocumentation" : /**<p>One or more filters. Supported filters: <code>volume-id</code>,
@param filters One or more filters. Supported filters: <code>volume-id</code>,
@return Returns a reference to this object so that method calls can be chained together.*/
return
filters
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters. Supported filters: <code>volume-id</code>,

Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.

@<p>\n@override
</p>\n@override


\n@override
Returns a reference to this object so that method calls can be chained together.*/
return
filters
"variable" : {
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  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "<p>One or more filters. Supported filters: <code>volume-id</code>,
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"templateType" : "java.util.List<Filter>",
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters. Supported filters: <code>volume-id</code>,
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, 
<code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. </p>
@param filters One or more filters. Supported filters: <code>volume-id</code>,
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, 
<code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>.
@return Returns a reference to this object so that method calls can be chained together.*/
return
filters
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"simpleType" : "List&lt;Filter&gt;",
"variableSetterType" : "java.util.Collection&lt;Filter&gt;"
},
"xmlnsSpaceUri" : null
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated request.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated request.\</p>\n@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.\</p>\n@return Returns a reference to this object so that method calls can be chained together.\</p>",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated request.\</p>\n@return The maximum number of results (up to a limit of 500) to be returned in a paginated request.\</p>",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"nullValue" : null,
"parameterType" : null,
"shapeName" : null,
"syntax" : null,
"variableSetterName" : null,
"variableSetName" : null,
"variableType" : null,
"xmlNameSpaceUri" : null
}
"setterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request.</p>@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request.</p>@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request."
  @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,

"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The <code>nextToken</code> value returned by a previous paginated request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.</p>@param nextToken The <code>nextToken</code> value returned by a previous paginated request."
    @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.</p>@return The <code>nextToken</code> value returned by a previous paginated request.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.</p>
@param nextToken The <code>nextToken</code> value returned by a previous paginated request.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.</p>
@param nextToken The <code>nextToken</code> value returned by a previous paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The <code>nextToken</code> value returned by a previous paginated request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"VolumeIds" : {
  "c2jName" : "VolumeIds",
  "c2jShape" : "VolumeIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more volume IDs for which in-progress modifications will be described.</p>",
"
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@\n One or more volume IDs for which in-progress modifications will be described.\n\n@\n@param volumeIds One or more volume IDs for which in-progress modifications will be described.\n\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeIds",
"getterDocumentation" : "/**\n One or more volume IDs for which in-progress modifications will be described.\n\n@\n@param volumeIds One or more volume IDs for which in-progress modifications will be described.\n\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getVolumeIds",
"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VolumeId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "VolumeId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n @\n member \n @\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n @\n return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {

"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>
@param volumeIds One or more volume IDs for which in-progress modifications will be described.*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>
@param volumeIds One or more volume IDs for which in-progress modifications will be described.<br>Note: This method appends the values to the existing list (if any). Use {@link #setVolumeIds(java.util.Collection)} or {@link #withVolumeIds(java.util.Collection)} if you want to override the existing values.<br@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more volume IDs for which in-progress modifications will be described.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
),
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumesModificationsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeVolumesModificationsRequest",
"variableName" : "describeVolumesModificationsRequest",
"mapModel" : null,
"map" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>
@param volumeIds One or more volume IDs for which in-progress modifications will be described.*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.<br>Note: This method appends the values to the existing list (if any). Use {@link #setVolumeIds(java.util.Collection)} or {@link #withVolumeIds(java.util.Collection)} if you want to override the existing values.<br@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more volume IDs for which in-progress modifications will be described.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
)
"variableType" : "DescribeVolumesModificationsRequest",
"documentation" : null,
"simpleType" : "DescribeVolumesModificationsRequest",
"variableSetterType" : "DescribeVolumesModificationsRequest"
},
"wrapper" : false
},
"DescribeVolumesModificationsResult" : {
"c2jName" : "DescribeVolumesModificationsResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "VolumesModifications",
  "c2jShape" : "VolumeModificationList",
  "deprecated" : false,
  "documentation" : "<p>A list of returned &lt;a&gt;VolumeModification&lt;/a&gt; objects.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of returned &lt;a&gt;VolumeModification&lt;/a&gt; objects.&lt;/p&gt;
   * @param volumesModifications A list of returned &lt;a&gt;VolumeModification&lt;/a&gt; objects.&lt;/p&gt;
   * @return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withVolumesModifications",
  "getterDocumentation" : "/**<p>A list of returned &lt;a&gt;VolumeModification&lt;/a&gt; objects.&lt;/p&gt;
   * @return A list of returned &lt;a&gt;VolumeModification&lt;/a&gt; objects.*\*/",
  "getterMethodName" : "getVolumesModifications",
  "getterModel" : {
    "returnType" : "java.util.List&lt;VolumeModification&gt;",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VolumeModification",
  "variableName" : "member",
  "variableType" : "VolumeModification",
  "documentation" : "",
  "simpleType" : "VolumeModification",
  "variableSetterType" : "VolumeModification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "VolumeModification",
  "variableName" : "member",
  "variableType" : "VolumeModification",
  "documentation" : "",
  "simpleType" : "VolumeModification",
  "variableSetterType" : "VolumeModification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeModification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeModification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
"templateType" : "java.util.List<VolumeModification>",
"name" : "VolumesModifications",
"setterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
@param volumesModifications A list of returned <a>VolumeModification</a> objects. */",
"setterMethodName" : "setVolumesModifications",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
  "variableName" : "volumesModifications",
  "variableType" : "java.util.List<VolumeModification>",
  "documentation" : "",
  "simpleType" : "List<VolumeModification>"
"variableSetterType" : "java.util.Collection<VolumeModification>" 
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolumesModifications(java.util.Collection)} or {@link #withVolumesModifications(java.util.Collection)} if you want to override the existing values.</p>\n@var volumesModifications A list of returned <a>VolumeModification</a> objects.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
 "variableName" : "volumesModifications",
 "variableType" : "java.util.List<VolumeModification>",
 "documentation" : "<p>A list of returned <a>VolumeModification</a> objects.</p>

"simpleType" : "List<VolumeModification>",
 "variableSetterType" : "java.util.Collection<VolumeModification>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Token for pagination, null if there are no more results </p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@param nextToken Token for pagination, null if there are no more results\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@return Token for pagination, null if there are no more results\n@return Token for pagination, null if there are no more results*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallingLocationName" : "NextToken",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallingLocationName" : "nextToken",
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@param nextToken Token for pagination, null if there are no more results*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@param nextToken Token for pagination, null if there are no more results\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "Token for pagination, null if there are no more results",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "Token for pagination, null if there are no more results",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@internetToken for pagination, null if there are no more results\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@internetToken for pagination, null if there are no more results\n@return Token for pagination, null if there are no more results*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>Token for pagination, null if there are no more results \n@param nextToken Token for pagination, null if there are no more results*/\n@param
token for pagination, null if there are no more results \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Token for pagination, null if there are no more results \n@param
nextToken Token for pagination, null if there are no more results
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Token for pagination, null if there are no more results</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"VolumesModifications" : {
  "c2jName" : "VolumesModifications",
  "c2jShape" : "VolumeModificationList",
  "deprecated" : false,
  "documentation" : "<p>A list of returned <a>VolumeModification</a> objects.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
@param
volumesModifications A list of returned <a>VolumeModification</a> objects.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withVolumesModifications",
  "getterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
@return A list of returned <a>VolumeModification</a> objects. */",
  "getterMethodName" : "getVolumesModifications",
  "getterModel" : {
    "returnType" : "java.util.List<VolumeModification>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeModificationSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeModificationSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "VolumeModification",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "VolumeModification",
        "documentation" : null
      }
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "VolumeModification",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "VolumeModification",
    "variableName" : "member",
    "variableType" : "VolumeModification",
    "documentation" : "",
    "simpleType" : "VolumeModification",
    "variableSetterType" : "VolumeModification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "VolumeModification",
    "variableName" : "member",
    "variableType" : "VolumeModification",
    "documentation" : "",
    "simpleType" : "VolumeModification",
    "variableSetterType" : "VolumeModification"
},
"xmlNameSpaceUri" : null
"setterDocumentation" : "/**
 * A list of returned <a>VolumeModification</a> objects.
 * @param volumesModifications A list of returned <a>VolumeModification</a> objects.
 * @return Returns a reference to this object so that method calls can be chained together. */
 */
",
"setterMethodName" : "setVolumesModifications",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
  "variableName" : "volumesModifications",
  "variableType" : "java.util.List<VolumeModification>",
  "documentation" : "",
  "simpleType" : "List<VolumeModification>",
  "variableSetterType" : "java.util.Collection<VolumeModification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * A list of returned <a>VolumeModification</a> objects.
 * <b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVolumesModifications(java.util.Collection)} or { @link #withVolumesModifications(java.util.Collection)} if you want to override the existing values.
 * @param volumesModifications A list of returned <a>VolumeModification</a> objects.
 * @return Returns a reference to this object so that method calls can be chained together. */
 */
",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
  "variableName" : "volumesModifications",
  "variableType" : "java.util.List<VolumeModification>",
  "documentation" : "A list of returned <a>VolumeModification</a> objects.</p>
",
"xmlNameSpaceUri" : null
}
"shapeName" : "DescribeVolumesModificationsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeVolumesModificationsResult",
  "variableName" : "describeVolumesModificationsResult",
  "variableType" : "DescribeVolumesModificationsResult",
  "documentation" : null,
  "simpleType" : "DescribeVolumesModificationsResult",
  "variableSetterType" : "DescribeVolumesModificationsResult"
},
"wrapper" : false
},
"DescribeVolumesRequest" : {
  "c2jName" : "DescribeVolumesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVolumes.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeVolumes",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "VolumeIds",
      "c2jShape" : "VolumeIdStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more volume IDs.</p>",
      "enumType" : null,
      "fluuentSetterDocumentation" : "/**<p>One or more volume IDs.</p>
      @param volumeIds One or more volume IDs.
      @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluuentSetterMethodName" : "withVolumeIds",
      "parameterType" : "VolumeIds",
      "parameterUsageType" : ":list",
      "required" : false,
      "shapeName" : "VolumeIdStringList",
      "variableDeclarationType" : "VolumeIdStringList",
      "variableName" : "volumeIds",
      "variableType" : "VolumeIdStringList",
      "variableSetterType" : "VolumeIdStringList"
    }
  ]
}
"getterDocumentation" : "/**<p>One or more volume IDs.</p>@returns One or more volume IDs.*/",
"getterMethodName" : "getVolumeIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VolumeId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
One or more volume IDs.

```java
public void setVolumeIds(List<String> volumeIds)
```

### Filters

- `attachment.attach-time` - The time stamp when the attachment initiated.
- `attachment.delete-on-termination` - Whether the volume is deleted on instance termination.
- `attachment.device` - The device name that is exposed to the instance (for example, `/dev/sdal`).
- `attachment.instance-id` - The ID of the instance the volume is attached to.
- `attachment.status` - The attachment state (attaching | attached | detaching | detached).
- `availability-zone` - The Availability Zone in which the volume was created.
- `create-time` - The time stamp when the volume was created.
- `encrypted` - The encryption status of the volume.
- `size` - The size of the volume, in GiB.
- `snapshot-id` - The snapshot from which the volume was created.
- `status` - The status of the volume (creating | available | in-use | deleting | deleted | error).
- `tag` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X,
specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 
</li> 
<li> <p> <code>attachment</code>:<code>attach-time</code> - The time stamp when the attachment initiated.</p> 
<li> <p> <code>attachment</code>:<code>delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> 
<li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> 
<li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> 
<li> <p> <code>attachment.status</code> - The attachment state (attaching | attached | detaching | detached).</p> 
<li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> 
<li> <p> <code>encrypted</code> - The encryption status of the volume.</p> 
<li> <p> <code>size</code> - The size of the volume, in GiB.</p> 
<li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> 
<li> <p> <code>status</code> - The status of the volume (creating | available | in-use | deleting | deleted | error).</p> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 

"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> 
<li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> 
<li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> 
<li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> 
<li> <p> <code>attachment.status</code> - The attachment state (attaching | attached | detaching | detached).</p> 
<li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> 
<li> <p> <code>encrypted</code> - The encryption status of the volume.</p> 
<li> <p> <code>size</code> - The size of the volume, in GiB.</p> 
<li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> 
<li> <p> <code>status</code> - The status of the volume (creating | available | in-use | deleting | deleted | error).</p> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
from which the volume was created.</p> 

**<li>** <p> <code>status</code> - The status of the volume (\texttt{creating} | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>). \</p> 

**<li>** <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag \texttt{Purpose=X}, specify \texttt{<code>tag:Purpose</code>} for the filter name and \texttt{\langle i\texttt{key}\rangle=\langle i\texttt{value}\rangle} for the filter value.</p> 

**<li>** <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the \texttt{<code>tag-value</code>} filter. For example, if you use both the filter \texttt{"tag-key=Purpose"} and the filter \texttt{"tag-value=X"}, you get any resources assigned both the tag key \texttt{Purpose} (regardless of what the tag's value is), and the tag value \texttt{X} (regardless of what the tag's key is). If you want to list only resources where \texttt{Purpose} is \texttt{X}, see the \texttt{\langle i\texttt{key}\rangle=\langle i\texttt{value}\rangle} filter.</p> 

**<li>** <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 

**<li>** <p> <code>volume-id</code> - The volume ID.</p> 

**<li>** <p> <code>volume-type</code> - The Amazon EBS volume type. This can be \texttt{<code>gp2</code>} for General Purpose SSD, \texttt{<code>io1</code>} for Provisioned IOPS SSD, \texttt{<code>st1</code>} for Throughput Optimized HDD, \texttt{<code>sc1</code>} for Cold HDD, or \texttt{<code>standard</code>} for Magnetic volumes.</p> 

*return* Returns a reference to this object so that method calls can be chained together.*"/

"getterDocumentation": "://"*/p>One or more filters.</p> 

**<ul>** 

**<li>** <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> 

**<li>** <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> 

**<li>** <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, \texttt{/dev/sda1}).</p> 

**<li>** <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> 

**<li>** <p> <code>attachment.status</code> - The attachment state (\texttt{attaching} | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> 

**<li>** <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> 

**<li>** <p> <code>create-time</code> - The time stamp when the volume was created.</p> 

**<li>** <p> <code>encrypted</code> - The encryption status of the volume.</p> 

**<li>** <p> <code>size</code> - The size of the volume, in GiB.</p> 

**<li>** <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> 

**<li>** <p> <code>status</code> - The status of the volume (\texttt{creating} | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>).</p> 

**<li>** <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag \texttt{Purpose=X}, specify \texttt{<code>tag:Purpose</code>} for the filter name and \texttt{\langle i\texttt{key}\rangle=\langle i\texttt{value}\rangle} for the filter value.</p> 

**<li>** <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the \texttt{<code>tag-value</code>} filter. For example, if you use both the filter \texttt{"tag-key=Purpose"} and the filter \texttt{"tag-value=X"}, you get any resources assigned both the tag key \texttt{Purpose} (regardless of what the tag's value is), and the tag value \texttt{X} (regardless of what the tag's key is). If you want to list only resources where \texttt{Purpose} is \texttt{X}, see the \texttt{\langle i\texttt{key}\rangle=\langle i\texttt{value}\rangle} filter.</p> 

**<li>** <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 

**<li>** <p> <code>volume-id</code> - The volume ID.</p> 

**<li>** <p> <code>volume-type</code> - The Amazon EBS volume type. This can be \texttt{<code>gp2</code>} for General Purpose SSD, \texttt{<code>io1</code>} for Provisioned IOPS SSD, \texttt{<code>st1</code>} for Throughput Optimized HDD, \texttt{<code>sc1</code>} for Cold HDD, or \texttt{<code>standard</code>} for Magnetic volumes.</p>
The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> |<code>detached</code>),</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>volume-id</code> - The volume ID.</p> </li> <li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> </li>
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "Filter",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
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"statusCode": false,
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"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Filter",
"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Filter"
"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/*<p>One or more filters.</p><ul>
<li><code>attachment.attach-time</code> - The timestamp when the attachment initiated.</li>
<li><code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</li>
<li><code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</li>
<li><code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</li>
<li><code>attachment.status</code> - The attachment state.</li>
<li><code>create-time</code> - The timestamp when the volume was created.</li>
<li><code>encrypted</code> - The encryption status of the volume.</li>
<li><code>size</code> - The size of the volume, in GiB.</li>
<li><code>snapshot-id</code> - The snapshot from which the volume was created.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value.</li>
<li><code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter \"tag:Purpose=X\".

- The encryption status of the volume.

- The time stamp when the attachment initiated.

- The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

- The time stamp when the volume was created.

- The encryption status of the volume.

- The time stamp when the attachment initiated.

- The volume ID.

- The time stamp when the attachment initiated.

- The key of the tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter \"tag:Purpose=X\".

- The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

- One or more filters.
time stamp when the attachment initiated.\</li>\</li><p>\code{attachment.delete-on-termination}\</p> - Whether the volume is deleted on instance termination.\</li>\</li><p>\code{attachment.device}\</p> - The device name that is exposed to the instance (for example, \code{/dev/sdal}).\</li>\</li><p>\code{attachment.instance-id}\</p> - The ID of the instance the volume is attached to.\</li>\</li><p>\code{attachment.status}\</p> - The attachment state (\code{attaching} | \code{attached} | \code{detaching} | \code{detached}).\</li>\</li><p>\code{availability-zone}\</p> - The Availability Zone in which the volume was created.\</li>\</li><p>\code{create-time}\</p> - The time stamp when the volume was created.\</li>\</li><p>\code{encrypted}\</p> - The encryption status of the volume.\</li>\</li><p>\code{size}\</p> - The size of the volume, in GiB.\</li>\</li><p>\code{snapshot-id}\</p> - The snapshot from which the volume was created.\</li>\</li><p>\code{status}\</p> - The status of the volume (\code{creating} | \code{available} | \code{in-use} | \code{deleting} | \code{deleted} | \code{error}).\</li>\</li><p>\code{tag:<i>key</i>:<i>value</i>}\</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify \code{tag:Purpose} for the filter name and \code{X} for the filter value.\</li>\</li><p>\code{tag-key}\</p> - The key of a tag assigned to the resource. This filter is independent of the \code{tag-value} filter. For example, if you use both the filter \code{tag-key=Purpose} and the filter \code{tag-value=X}, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \code{tag:<i>key</i>:<i>value</i>\</li>\</li><p>\code{tag-value}\</p> - The value of a tag assigned to the resource. This filter is independent of the \code{tag-key} filter.\</li>\</li><p>\code{volume-id}\</p> - The volume ID.\</li>\</li><p>\code{volume-type}\</p> - The Amazon EBS volume type. This can be \code{gp2} for General Purpose SSD, \code{iol} for Provisioned IOPS SSD, \code{standard} for Magnetic volumes.\</p>\</li><ul>\</li>\</ul>
"getterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@return The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",

"getterMethodName" : "getNextToken",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "NextToken",

"setterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",

"setterMethodName" : "setNextToken",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "getterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@return The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",

"getterMethodName" : "getNextToken",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "NextToken",

"setterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",

"setterMethodName" : "setNextToken",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "getterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@return The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",

"getterMethodName" : "getNextToken",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "NextToken",

"setterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",

"setterMethodName" : "setNextToken",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "getterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

@return The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",

"getterMethodName" : "getNextToken",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return. 
 */

@param nextToken
 * The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
 */

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request. 
 */

"enumType" : null,
"fluentSetterDocumentation" : "The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request. 
 */

"enumType" : null,
The remaining results of the initial request can be seen by sending another DescribeVolumes request with the returned `NextToken` value. This value can be between 5 and 500; if `MaxResults` is given a value larger than 500, only 500 results are returned. If this parameter is not used, then DescribeVolumes returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

The maximum number of volume results returned by DescribeVolumes in paginated output. When this parameter is used, only returns DescribeVolumes results in a single page along with a `NextToken` response element. The remaining results of the initial request can be seen by sending another DescribeVolumes request with the returned `NextToken` value. This value can be between 5 and 500; if `MaxResults` is given a value larger than 500, only 500 results are returned. If this parameter is not used, then DescribeVolumes returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.
"setterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>
@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>
@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "complexType" : "SimpleType",
  "simpleType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>
@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "complexType" : "SimpleType",
  "simpleType" : "Integer"
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "complexType" : "SimpleType",
  "simpleType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.
@return Returns a reference to this object so that method calls can be chained together.*/"}
remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>"},
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>).</p> </li> <li> <p> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose=X</code> for the filter name and <code>tag:Purpose=X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter. 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time</code> - The time stamp when the attachment initiated.</p> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>attachment.status</code> - The attachment state (attaching | attached | detaching | detached).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume (creating | available | in-use | deleting | deleted | error).</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key=Purpose</code> filter. For example, <code>tag:tag-key=Purpose</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>volume-id</code> - The volume ID.</p> </li> <li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> </li> <li> <p> <code>@return</code> One or more filters.</p> </li> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>attachment.status</code> - The attachment state (attaching | attached | detaching | detached).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume (creating | available | in-use | deleting | deleted | error).</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key=Purpose</code> filter. For example, <code>tag:tag-key=Purpose</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>volume-id</code> - The volume ID.</p> </li> <li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose
SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> </li>*/

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@param member 
@return Returns a reference to this object so that
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Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  5967
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 * One or more filters.
 */
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time
- The time stamp when the attachment initiated.
@<param name="filters" class="java.util.List">Attachment Delete On
termination
- Whether the volume is deleted on instance termination.
@<param name="filters" class="java.util.List">Attachment Device
- The device name that is exposed to the instance (for example, <code>/dev/sda1</code>.
@<param name="filters" class="java.util.List">Attachment Instance ID
- The ID of the instance the volume is attached to.
@<param name="filters" class="java.util.List">Attachment Status
- The attachment state
@<param name="filters" class="java.util.List">Availability Zone
- The Availability Zone in which the volume was created.
@<param name="filters" class="java.util.List">Create Time
- The time stamp when the volume was created.
@<param name="filters" class="java.util.List">Encrypted
- The encryption status of the volume.
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- The size of the volume, in GiB.
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- The snapshot from which the volume was created.
@<param name="filters" class="java.util.List">Status
- The status of the volume
@<param name="filters" class="java.util.List">Availability Zone
- The Availability Zone in which the volume was created.
@<param name="filters" class="java.util.List">Create Time
- The time stamp when the volume was created.
@<param name="filters" class="java.util.List">Encrypted
- The encryption status of the volume.
@<param name="filters" class="java.util.List">Size
- The size of the volume, in GiB.
@<param name="filters" class="java.util.List">Snapshot ID
- The snapshot from which the volume was created.
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to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the
<code>tag-key</code> filter. </p> </li> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated. </p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination. </p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example,
<code>/dev/sda1</code>). </p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the
volume is attached to. </p> </li> <li> <p> <code>attachment.status</code> - The attachment state
(<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created. </p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created. </p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume. </p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB. </p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created. </p> </li> <li> <p> <code>status</code> - The status of the volume (<code>creating</code> |<code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> |<code>error</code> ). </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value
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(regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list
only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the
<code>tag-key</code> filter. </p> </li> <li> <p> <code>attachment.delete-on-termination</code> - The time stamp when the attachment initiated. </p> </li>
Whether the volume is deleted on instance termination.</p> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sdal</code>). </p> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to. </p> <li> <p> <code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created. </p> <li> <p> <code>create-time</code> - The time stamp when the volume was created. </p> <li> <p> <code>encrypted</code> - The encryption status of the volume. </p> <li> <p> <code>size</code> - The size of the volume, in GiB. </p> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created. </p> <li> <p> <code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>). </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. 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This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPSSSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. </p> </ul> <!-- END attachment --> <!-- Filters --> <p>One or more filters.</p> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated. </p> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination. </p> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sdal</code>). </p> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to. </p> <li> <p> <code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created. </p> <li> <p> <code>create-time</code> - The time stamp when the volume was created. </p> <li> <p> <code>encrypted</code> - The encryption status of the volume. </p> <li> <p> <code>size</code> - The size of the volume, in GiB. </p> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created. </p> <li> <p> <code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>). </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. 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This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPSSSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. </p> </ul> <!-- END filters --> <!-- Other Attributes --> <p>@return Returns a reference to this object so that method calls can be chained together.*";
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag</code> filter. The volume ID. The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

- <code>tag-value</code> - The value of a tag assigned to the resource.
  This filter is independent of the <code>tag-key</code> filter.
- <code>volume-id</code> - The volume ID.
- <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.
If this parameter is not used, then `<code>DescribeVolumes</code>` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

@returns The maximum number of volume results returned by `<code>DescribeVolumes</code>` in paginated output. When this parameter is used, `<code>DescribeVolumes</code>` only returns `<code>MaxResults</code>` results in a single page along with a `<code>NextToken</code>` response element. The remaining results of the initial request can be seen by sending another `<code>DescribeVolumes</code>` request with the returned `<code>NextToken</code>` value. This value can be between 5 and 500; if `<code>MaxResults</code>` is given a value larger than 500, only 500 results are returned. If this parameter is not used, then `<code>DescribeVolumes</code>` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.*/*

```

"getterMethodName" : "getMaxResults",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "maxResults",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>\n\n\n\n@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. */
```

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If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.*/",
                "setterMethodName" : "setMaxResults",
                "setterModel" : {
                    "variableDeclarationType" : "Integer",
                    "variableName" : "maxResults",
                    "variableType" : "Integer",
                    "documentation" : "",
                    "simpleType" : "Integer",
                    "variableSetterType" : "Integer"
                },
                "simple" : true,
                "varargSetterDocumentation" : "/*<p>The maximum number of volume results returned by
<code>DescribeVolumes</code> in paginated output. When this parameter is used,
<code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can
be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this
parameter and the volume IDs parameter in the same request.<p>
@param maxResults The maximum number of volume results returned by
<code>DescribeVolumes</code> in paginated output. When this parameter is used,
<code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can
be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this
parameter and the volume IDs parameter in the same request.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
                "variable" : {
                    "variableDeclarationType" : "Integer",
                    "variableName" : "maxResults",
                    "variableType" : "Integer",
                    "documentation" : "The maximum number of volume results returned by
<code>DescribeVolumes</code> in paginated output. When this parameter is used,
<code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can
be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this
parameter and the volume IDs parameter in the same request.<p>
"complexType" : "Integer",
                "variableSetterType" : "Integer"
            },
            "xmlNameSpaceUri" : null
        },
        "NextToken" : {
            "c2jName" : "NextToken",
            "c2jShape" : "String",
            "complexType" : "String",
            "variableDeclarationType" : "String",
            "variableName" : "NextToken",
            "variableType" : "String",
            "documentation" : "The next page token for paginated results.
This marker is present only when the results include a subset of all
available results. The value is a URL that can be used to retrieve
the next page of results. When the value is an empty string, there
are no additional pages.
<p>
By default, each response contains only one "NextToken".
When you start the pagination process, the first response
contains a "NextToken". Use this token to retrieve the next page.
If the response was received from a previous call, then the
value of the "NextToken" represents the token that was returned
on the initial response. When there are no more results available,
the "NextToken" is an empty string.
<p>
You can specify this parameter only when the request includes
a "MaxResults" parameter. If you do not specify the "NextToken", you
will receive only one "NextToken" response, even if you could fit
more results in the response body. When there is no more
results available, the "NextToken" becomes an empty string.
<p>
To receive more than one page, you can use the "MaxResults" and "NextToken" parameters to
"paginate" the results. The response to the initial request includes a "NextToken" with a valid
value. Use this value as the "NextToken" in a subsequent request to receive the next page of
results. Each subsequent request must specify the "MaxResults" parameter to receive the
appropriate number of results.
<p>
You can specify this parameter only when the request includes
a "MaxResults" parameter.
<p>
For more information, see "<a href="#pagination">Paginated Output</a>" in the
<code>DescribeVolumes</code> page of the CloudFormation API Reference.
"maxResults" parameter in the same request.
</p>
"NextToken" parameter in the same request.
</p>"
"deprecated" : false,
"documentation" : "<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>

@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withNextToken",

"getterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>

@return The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

*/",

"getterMethodName" : "getNextToken",

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated<code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated<code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The <code>NextToken</code> value returned from a previous paginated<code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>"
},
"xmlNameSpaceUri" : null,
"VolumeIds" : {
    "c2jName" : "VolumeIds",
    "c2jShape" : "VolumeIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more volume IDs.</p>"
},
"enumType" : null}
"fluentSetterDocumentation" : "*/p><p>One or more volume IDs.<p></p>
@param volumeIds One or more volume IDs.<p>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withVolumeIds",
"getterDocumentation" : "*/p><p>One or more volume IDs.<p></p>
@return One or more volume IDs.<p />
"getterMethodName" : "getVolumeIds",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VolumeId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "*/n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "*/n@return 
"getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VolumeId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs.</p>
@param volumeIds One or more volume IDs.*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolumeIds(java.util.Collection)} or {@link #withVolumeIds(java.util.Collection)} if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more volume IDs.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVolumesRequest",
  "variableName" : "describeVolumesRequest",
  "variableType" : "DescribeVolumesRequest",
  "documentation" : null,
  "simpleType" : "DescribeVolumesRequest",
  "variableSetterType" : "DescribeVolumesRequest"
},
"wrapper" : false
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Volume",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Volume",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Volume",
      "variableName" : "member",
      "variableType" : "Volume",
      "variableDeclaratorId" : null,
      "variableId" : "member",
      "variableNameScope" : "member"}}}}

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"documentation": "",
"simpleType": "Volume",
"variableSetterType": "Volume"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Volume",
"variableName": "member",
"variableType": "Volume",
"documentation": "",
"simpleType": "Volume",
"variableSetterType": "Volume"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Volume",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Volume",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Volume>",
"templateType": "java.util.List<Volume>
",
"map": false,
"mapModel": null,
"name": "Volumes",
"setterDocumentation": "/**<p>Information about the volumes.</p>
@param volumes Information about the
volumes.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVolumes",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Volume>",
"variableName": "volumes",
"variableType": "java.util.List<Volume>",
"documentation": "",
"simpleType": "List<Volume>",
"variableSetterType": "java.util.Collection<Volume>
"},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the volumes.</p>
<b>NOTE:</b> This method
appends the values to the existing list (if any). Use {@link #setVolumes(java.util.Collection)} or {@link
#withVolumes(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Volume>",
  "variableName" : "volumes",
  "variableType" : "java.util.List<Volume>",
  "documentation" : "<p>Information about the volumes.</p>",
  "simpleType" : "List<Volume>",
  "variableSetterType" : "java.util.Collection<Volume>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.</p>",
"getterDocumentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.</p>",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*\*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

### Setter Documentation

@code

```
public void setNextToken(String nextToken) {
    this.nextToken = nextToken;
}
```

@returns Returns a reference to this object so that method calls can be chained together.

### Simple Type

```
String
```

### Variable Documentation

The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

### XML NameSpace Uri

```
null
```
"deprecated" : false,
"documentation" : "<p>Information about the volumes.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the volumes.</p>\n@param volumes Information about the volumes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumes",
"getterDocumentation" : "/**<p>Information about the volumes.</p>\n@return Information about the volumes.*/",
"getterMethodName" : "getVolumes",
"getterModel" : {
 "returnType" : "java.util.List<Volume>",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VolumeSet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "volumeSet",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "Volume",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member member\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "Volume",
 "documentation" : null
 },
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocationName": "Item",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "item",  
"uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "Member",  
"setterDocumentation": "/**
@param member */",  
"setterMethodName": "setMember",  
"setterModel": {  
"variableDeclarationType": "Volume",  
"variableName": "member",  
"variableType": "Volume",  
"documentation": "",  
"simpleType": "Volume",  
"variableSetterType": "Volume"  
},  
"simple": false,  
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*\n\*/",  
"variable": {  
"variableDeclarationType": "Volume",  
"variableName": "member",  
"variableType": "Volume",  
"documentation": "",  
"simpleType": "Volume",  
"variableSetterType": "Volume"  
},  
"xmlNameSpaceUri": null  
},  
"memberLocationName": "item",  
"memberType": "Volume",  
"map": false,  
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Volume",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Volume>",
"templateType" : "java.util.List<Volume>"
},
"map" : false,
"mapModel" : null,
"name" : "Volumes",
"setterDocumentation" : "/**\n<p>Information about the volumes.</p>\n@param volumes Information about the volumes.*/",
"setterMethodName" : "setVolumes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Volume>",
"variableName" : "volumes",
"variableType" : "java.util.List<Volume>",
"documentation" : "",
"simpleType" : "List<Volume>",
"variableSetterType" : "java.util.Collection<Volume>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the volumes.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolumes(java.util.Collection)} or {@link #withVolumes(java.util.Collection)} if you want to override the existing values.</p>\n@param volumes Information about the volumes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Volume>",
"variableName" : "volumes",
"variableType" : "java.util.List<Volume>",
"documentation" : "<p>Information about the volumes.</p>",
"simpleType" : "List<Volume>",
"variableSetterType" : "java.util.Collection<Volume>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Volume>",
"variableName" : "volumes",
"variableType" : "java.util.List<Volume>",
"documentation" : "<p>Information about the volumes.</p>",
"simpleType" : "List<Volume>",
"variableSetterType" : "java.util.Collection<Volume>"}
"variableDeclarationType" : "DescribeVolumesResult",
"variableName" : "describeVolumesResult",
"variableType" : "DescribeVolumesResult",
"documentation" : null,
"simpleType" : "DescribeVolumesResult",
"variableSetterType" : "DescribeVolumesResult"
},
"wrapper" : false
},
"DescribeVpcAttributeRequest" : {
"c2jName" : "DescribeVpcAttributeRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeVpcAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeVpcAttribute",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>@return The ID of the VPC.*/",
  "getMethod" : [ 
    "returnType" : "String",
    "documentation" : null
  ],
  "memberName" : "VpcId",
  "memberType" : "DescribeVpcAttributeRequest",
  "simpleType" : "String",
  "variableDeclarationType" : "DescribeVpcAttributeRequest",
  "variableName" : "describeVpcAttributeRequest",
  "variableType" : "DescribeVpcAttributeRequest",
  "documentation" : null,
  "simpleType" : "DescribeVpcAttributeRequest",
  "variableSetterType" : "DescribeVpcAttributeRequest"
}];
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VpcId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VpcId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Attribute",
"c2jShape": "VpcAttributeName",
"deprecated": false,
"documentation": "<p>The VPC attribute.</p>"
"enumType": "VpcAttributeName",
"fluentSetterDocumentation": "/**<p>The VPC attribute.</p>
@param attribute The VPC attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcAttributeName*/",
"fluentSetterMethodName": "withAttribute",
"getterDocumentation": "/**<p>The VPC attribute.</p>
@return The VPC attribute.
@see
VpcAttributeName*/",
"getterMethodName": "getAttribute",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Attribute",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Attribute",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Attribute",
"setterDocumentation": "/**<p>The VPC attribute.</p>
@param attribute The VPC attribute.
@see
VpcAttributeName*/",
"setterMethodName": "setAttribute",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "attribute",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The VPC attribute.</p>
@param attribute The VPC attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see
VpcAttributeName*/",  "variable": {  }
"variableDeclarationType": "String",
"variableName": "attribute",
"variableType": "String",
"documentation": "<p>The VPC attribute.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {

"Attribute": {
  "c2jName": "Attribute",
  "c2jShape": "VpcAttributeName",
  "deprecated": false,
  "documentation": "<p>The VPC attribute.</p>",
  "enumType": "VpcAttributeName",
  "fluentSetterDocumentation": "/**<p>The VPC attribute.</p>
@paraattribute The VPC attribute.<p>@</para>
@return Returns a reference to this object so that method calls can be chained together.
@see VpcAttributeName*/",
  "fluentSetterMethodName": "withAttribute",
  "getterDocumentation": "/**<p>The VPC attribute.</p>
@return The VPC attribute.<p>@</para>
@see VpcAttributeName*/",
  "getterMethodName": "getAttribute",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Attribute",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Attribute",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Attribute"
"location": null,
"marshallLocationName": "VpcId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VpcId",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**\n<p>The ID of the VPC.</p>/\n@param vpcId The ID of the VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the VPC.</p>/\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "The ID of the VPC.\
", "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [
  "VpcId",
  "Attribute"
],
"shapeName": "DescribeVpcAttributeRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeVpcAttributeRequest",
  "variableName": "describeVpcAttributeRequest",
  "variableType": "DescribeVpcAttributeRequest",
  "documentation": null,
  "simpleType": "DescribeVpcAttributeRequest"
"variableSetterType" : "DescribeVpcAttributeRequest",
],
"wrapper" : false
],
"DescribeVpcAttributeResult" : {
"c2jName" : "DescribeVpcAttributeResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpcAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.</param>*/
setterMethodName" : "setVpcId",
setterModel" : {
  
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : ":",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : ":p>"The ID of the VPC.</p>
  "variableName" : "EnableDnsSupport",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP
addresses; otherwise, it does not.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP
addresses; otherwise, it does not.</p>*/
  "getterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP
addresses; otherwise, it does not.</p>*/",  }

addresses; otherwise, it does not.

@returns Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.*/

"getterMethodName" : "getEnableDnsSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enableDnsSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsSupport",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>*/

@returns Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.*/

"getterMethodName" : "getEnableDnsSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enableDnsSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsSupport",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>*/

@returns Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.*/

"getterMethodName" : "getEnableDnsSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enableDnsSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsSupport",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.

```xml
<variable>
  <variableDeclarationType>Boolean</variableDeclarationType>
  <variableName>enableDnsSupport</variableName>
  <variableType>Boolean</variableType>
  <documentation>
    Indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.
  </documentation>
</variable>
```

Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.

```xml
<c2jName>EnableDnsHostnames</c2jName>
<c2jShape>Boolean</c2jShape>
<deprecated>false</deprecated>
<documentation>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.</documentation>
```

Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.

```xml
<param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.>
  <marshallLocationName>enableDnsHostnames</marshallLocationName>
</param>
```
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsHostnames",
"setterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>*/",
"setterMethodName" : "setEnableDnsHostnames",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsHostnames",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsHostnames",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "EnableDnsHostnames" : {
    "c2jName" : "EnableDnsHostnames",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>*/",
    "setterDocumentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>*/"
  }
}
not.\n
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.\n
@return Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.\n
@see GetDnsHostnames\n
"fluentSetterMethodName" : "withEnableDnsHostnames",\n"getterDocumentation" : "Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.\n
@return Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.\n
"getterMethodName" : "getEnableDnsHostnames",\n"getterModel" : {\n  "returnType" : "Boolean",\n  "documentation" : null\n},\n"http" : {\n  "additionalMarshallingPath" : "Value",\n  "additionalUnmarshallingPath" : "value",\n  "flattened" : false,\n  "greedy" : false,\n  "header" : false,\n  "isPayload" : false,\n  "isStreaming" : false,\n  "location" : null,\n  "marshallLocationName" : "EnableDnsHostnames",\n  "queryString" : false,\n  "statusCode" : false,\n  "unmarshallLocationName" : "enableDnsHostnames",\n  "uri" : false\n},\n"idempotencyToken" : false,\n"list" : false,\n"listModel" : null,\n"map" : false,\n"mapModel" : null,\n"name" : "EnableDnsHostnames",\n"setterDocumentation" : "Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.\n
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.\n
"setterMethodName" : "setEnableDnsHostnames",\n"setterModel" : {\n  "variableDeclarationType" : "Boolean",\n  "variableName" : "enableDnsHostnames",\n  "variableType" : "Boolean",\n  "documentation" : "",\n  "simpleType" : "Boolean",\n  "variableSetterType" : "Boolean"\n},\n"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>*/
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsHostnames",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"EnableDnsSupport" : {
"c2jName" : "EnableDnsSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>*/
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>
@return Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.*/",
"getterMethodName" : "getEnableDnsSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enableDnsSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is 
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their
 corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is 
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your
 instances to their corresponding IP addresses; otherwise, it does not.
*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this
 attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your
 instances to their corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is 
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your
 instances to their corresponding IP addresses; otherwise, it does not.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their
 corresponding IP addresses; otherwise, it does not.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
"VpcId" : {
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enableDnsSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is 
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their
 corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is 
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your
 instances to their corresponding IP addresses; otherwise, it does not.
*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this
 attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your
 instances to their corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is 
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your
 instances to their corresponding IP addresses; otherwise, it does not.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is
<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their
 corresponding IP addresses; otherwise, it does not.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
"VpcId" : {
"isStreaming" : false,
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the VPC.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcAttributeResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeVpcAttributeResult",
    "variableName" : "describeVpcAttributeResult",
    "variableType" : "DescribeVpcAttributeResult",
    "documentation" : null,
    "simpleType" : "DescribeVpcAttributeResult",
    "variableSetterType" : "DescribeVpcAttributeResult"
},
"wrapper" : false
},
"DescribeVpcClassicLinkDnsSupportRequest" : {
    "c2jName" : "DescribeVpcClassicLinkDnsSupportRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeVpcClassicLinkDnsSupport.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeVpcClassicLinkDnsSupport",
        "locationName" : null,
        "decorators" : null,
        "customization" : {
            "skipGeneratingMarshaller" : false
        }
    }
}
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null },
"members" : [ {
  "c2jName" : "VpcIds",
  "c2jShape" : "VpcClassicLinkIdList",
  "deprecated" : false,
  "documentation" : "<p>One or more VPC IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more VPC IDs.</p>
  @param vpcIds One or more VPC IDs.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcIds",
  "getterDocumentation" : "/**
  @return One or more VPC IDs.*/",
  "getterMethodName" : "getVpcIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcIds",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpcIds",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n  @param member \n  @return Returns a reference to this object so that method calls can be chained together.*/",
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 6005"
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "isLocation" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"memberLocationName" : "VpcId",
"memberType" : "String",
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
}.
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**\n* One or more VPC IDs.
*\n* @param vpcIds One or more VPC IDs.*/",
"setterMethodName" : "setVpcIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* One or more VPC IDs.
*\n* <b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link setVpcIds(java.util.Collection) } or { @link withVpcIds(java.util.Collection) } if you want to override the existing values.\n*\n* @param vpcIds One or more VPC IDs.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more VPC IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
}.
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"deprecated" : false,
"documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."}
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withMaxResults",

"getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",

"getterMethodName" : "getMaxResults",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "MaxResults",

"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",

"setterMethodName" : "setMaxResults",

"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer"}
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, { 
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@return The token for the next set of items to return. (You received this token from a prior call.)*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "deprecated" : false,
    "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. */",
    "enumType" : null,
    "fluentSetterDocumentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. */",
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "maxResults",
      "variableType" : "String",
      "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. */",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
}
subsequent call to get the next set of results.

@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/

"getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/"
returns a token that you can specify in a subsequent call to get the next set of results. The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. Returns a reference to this object so that method calls can be chained together.

```java
public class NextToken {
    private String nextToken;

    public String getNextToken() {
        return nextToken;
    }

    public void setNextToken(String nextToken) {
        this.nextToken = nextToken;
    }

    public String withNextToken(String nextToken) {
        setNextToken(nextToken);
        return this;
    }
}
```

The token for the next set of items to return. (You received this token from a prior call.)

```java
public class NEXT_TOKEN {
    private String nextToken;

    public String getNextToken() {
        return nextToken;
    }

    public void setNextToken(String nextToken) {
        this.nextToken = nextToken;
    }

    public NEXT_TOKEN withNextToken(String nextToken) {
        setNextToken(nextToken);
        return this;
    }
}
```
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "VpcId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**<p>One or more VPC IDs.</p>
@param vpcIds One or more VPC IDs.*/"
setterMethodName" : "setVpcIds",
"setterModel" : {
  
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},

"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more VPC IDs.</p>

<pre><b>NOTE:</b> This method appends the values to the existing list (if any). Use [setVpcIds(java.util.Collection)] or [withVpcIds(java.util.Collection)] if you want to override the existing values.</p>

@<b>param</b> vpcIds One or more VPC IDs.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more VPC IDs.

\(\text{simpleType}\) List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},

"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcClassicLinkDnsSupportRequest",
"unmarshaller" : null,

"wrapper" : false
},

"DescribeVpcClassicLinkDnsSupportResult" : {
  
  "c2jName" : "DescribeVpcClassicLinkDnsSupportResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpcClassicLinkDnsSupport.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Vpcs",
  "c2jShape" : "ClassicLinkDnsSupportList",
  "documentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the ClassicLink DNS support status of the VPCs.</p>
  @param vpcs Information about the ClassicLink DNS support status of the VPCs.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcs",
  "getterDocumentation" : "/**<p>Information about the ClassicLink DNS support status of the VPCs.</p>
  @return Information about the ClassicLink DNS support status of the VPCs.*/",
  "getterMethodName" : "getVpcs",
  "getterModel" : { 
    "returnType" : "java.util.List<ClassicLinkDnsSupport>",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Vpcs",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcs",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : { 
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : { 
      "c2jName" : "member",
      ...
"c2jShape" : "ClassicLinkDnsSupport",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "ClassicLinkDnsSupport",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ClassicLinkDnsSupport",
  "variableName" : "member",
  "variableType" : "ClassicLinkDnsSupport",
  "documentation" : "",
  "simpleType" : "ClassicLinkDnsSupport",
  "variableSetterType" : "ClassicLinkDnsSupport"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
}
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkDnsSupport>",
"variableName" : "vpcs",
"variableType" : "java.util.List<ClassicLinkDnsSupport>",
"documentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>*/
@param vpcs Information about the ClassicLink DNS support status of the VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkDnsSupport>",
  "variableName" : "vpcs",
  "variableType" : "java.util.List<ClassicLinkDnsSupport>",
  "documentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>*/
"simple" : false,
"simpleType" : "List<ClassicLinkDnsSupport>",
"variableSetterType" : "java.util.Collection<ClassicLinkDnsSupport>"
"setterMethodImplementation" : {
  "setterMethodName" : "setVpcs",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkDnsSupport>",
    "variableName" : "item",
    "variableType" : "java.util.List<ClassicLinkDnsSupport>",
    "documentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>*/
  }
"setterDocumentation" : "/**<p>Information about the ClassicLink DNS support status of the VPCs.</p>*/
@n</b>NOTE:</b>
 This method appends the values to the existing list (if any). Use { @link #setVpcs(java.util.Collection)} or { @link #withVpcs(java.util.Collection)} if you want to override the existing values.*/
@n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkDnsSupport>",
  "variableName" : "vpcs",
  "variableType" : "java.util.List<ClassicLinkDnsSupport>",
  "documentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>*/
"simple" : false,
"simpleType" : "List<ClassicLinkDnsSupport>",
"variableSetterType" : "java.util.Collection<ClassicLinkDnsSupport>"
"xmlnsNameSpaceUri" : null
],
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "<p>The token to use when requesting the next set of items.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items.</p>*/
@param
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluent SetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use when requesting the next set of items.</p>*/
@return The token to use when requesting the next set of items.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items.</p>*/
@param
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items.</p>
@param
nextToken The token to use when requesting the next set of items.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use when requesting the next set of items.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "<p>The token to use when requesting the next set of items.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The token to use when requesting the next set of items.</p>
@param
nextToken The token to use when requesting the next set of items.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/*<p>The token to use when requesting the next set of items.</p>
@return The token to use when requesting the next set of items.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use when requesting the next set of items.</p>",
"simpleType" : "String",
"variableSetterType" : "String"}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "<p>The token to use when requesting the next set of items.</p>
@param
nextToken The token to use when requesting the next set of items.
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The token to use when requesting the next set of items.</p>
@param
nextToken The token to use when requesting the next set of items.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use when requesting the next set of items.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Vpcs" : {
  "c2jName" : "Vpcs",
  "c2jShape" : "ClassicLinkDnsSupportList",
  "deprecated" : false,
  "documentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>
@param
vpcs Information about the ClassicLink DNS support status of the VPCs.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "withVpcs",
  "getterDocumentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>
getterMethodName" : "getVpcs",
  "getterModel" : {
    "returnType" : "java.util.List<ClassicLinkDnsSupport>",
  
}
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ClassicLinkDnsSupport",
  "variableName" : "member",
  "variableType" : "ClassicLinkDnsSupport",
  "documentation" : "",
  "simpleType" : "ClassicLinkDnsSupport",
  "variableSetterType" : "ClassicLinkDnsSupport"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ClassicLinkDnsSupport",
  "variableName" : "member",
  "variableType" : "ClassicLinkDnsSupport",
  "documentation" : "",
  "simpleType" : "ClassicLinkDnsSupport",
  "variableSetterType" : "ClassicLinkDnsSupport"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ClassicLinkDnsSupport",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
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"simple" : false,
"simpleType" : "ClassicLinkDnsSupport",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkDnsSupport>",
"templateType" : "java.util.List<ClassicLinkDnsSupport>"
],
"map" : false,
"mapModel" : null,
"name" : "Vpcs"
"customization": {
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeVpcClassicLink.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeVpcClassicLink",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [{
  "c2jName": "VpcIds",
  "c2jShape": "VpcClassicLinkIdList",
  "deprecated": false,
  "documentation": "<p>One or more VPCs for which you want to describe the ClassicLink status.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more VPCs for which you want to describe the ClassicLink status.</p>
@param vpcIds One or more VPCs for which you want to describe the ClassicLink status.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVpcIds",
  "getterDocumentation": "/**<p>One or more VPCs for which you want to describe the ClassicLink status.</p>
@return One or more VPCs for which you want to describe the ClassicLink status.*/",
  "getterMethodName": "getVpcIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  }
},
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  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : 

"enumType" : null,
"fluentSetterDocumentation" : 

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : 

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : 

"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : 

"enumType" : null,
"fluentSetterDocumentation" : 

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : 

"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : 

"enumType" : null,
"fluentSetterDocumentation" : 

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : 

"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VpcId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**<p>One or more VPCs for which you want to describe the ClassicLink
status.</p><p></param vpcIds One or more VPCs for which you want to describe the ClassicLink status.*/",
"setterMethodName" : "setVpcIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more VPCs for which you want to describe the ClassicLink status.</p><p>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setVpcIds(java.util.Collection)\} or \{@link #withVpcIds(java.util.Collection)\} if you want to override the existing values.<p/>\n@param vpcIds One or more VPCs for which you want to describe the ClassicLink status.<p/>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "vpcIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more VPCs for which you want to describe the ClassicLink status.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>). </p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value. </p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
</ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>). </p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value. </p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
</ul>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "vpcIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more VPCs for which you want to describe the ClassicLink status.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>). </p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value. </p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
</ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>). </p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value. </p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
</ul>
\n@return Returns a reference to this object so that method calls can be chained together.*/"
value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:\<i>key</i>=\<i>value</i> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X",
 - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
</p> <li>
<p>
<code>tag-value</code> - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
</p> </li>

@return
Returns a reference to this object so that method calls can be chained together.*

, "fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;is-classic-link-enabled&lt;/code&gt;
- Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;
<code>tag</code>:\<i>key</i>=\<i>value</i> - The key/value combination of a tag assigned to the resource. Specify
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X,
specify <code>tag:Purpose</code> for the filter name and <code>\<i>value</i></code> for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:\<i>key</i>=\<i>value</i> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X",
you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:\<i>key</i>=\<i>value</i> filter.
</p> <li>
<p>
<code>tag-value</code> - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
</p> </li>*/

, "getterMethodName" : "getFilters",
"getterModel" : {
 "returnType" : "java.util.List&lt;Filter&gt;",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Filter",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Filter",
 "uri" : false


"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n     * @param member 
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Filter",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n     * @param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "Filter",
      "variableName": "member",
      "variableType": "Filter"}
One or more filters.

- Whether the VPC is enabled for ClassicLink
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose\" and the filter "\tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
tag-key - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-key filter.

tag-value - The value of a tag assigned to the resource. This filter is independent of the tag-key filter. Example:

```java
TimelineOptions timelineOptions = new TimelineOptions()
        .setFilters(
            new ArrayList<Filter>()
                .add(new Filter()
                    .setKey("tag-key")
                    .setValue("Purpose")
                )
        );
```

**NOTE:** This method appends the values to the existing list (if any). Use `{@link #setFilters(java.util.Collection)} or `{@link #withFilters(java.util.Collection)}` if you want to override the existing values.

```
@link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection)) if you want to override the existing values.
```
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  

- **<code>tag-key</code>** - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.  

- **<code>tag-value</code>** - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>::<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li>
</ul>

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**
One or more filters.
*return
Returns a reference to this object so that method calls can be chained together.*/
",
"isClassicLinkEnabled" : This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>::<i>key</i>=<i>value</i> filter.

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},

---

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"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"vargArgSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
}
,"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul><li>&lt;p&gt;&lt;code&gt;is-classic-link-enabled&lt;/code&gt; - Whether the VPC is enabled for ClassicLink (&lt;code&gt;true&lt;/code&gt; | &lt;code&gt;false&lt;/code&gt;).&lt;/p&gt;
 &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag&lt;/code&gt;:{}key&lt;/i&gt;={i}value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;:{}key&lt;/i&gt;={i}value&lt;/i&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;/ul>&lt;ul&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;is-classic-link-enabled&lt;/code&gt; - Whether the VPC is enabled for ClassicLink (&lt;code&gt;true&lt;/code&gt; | &lt;code&gt;false&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag&lt;/code&gt;:{}key&lt;/i&gt;={i}value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-
value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>

"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/*\*+p>One or more filters.</p> <ul> <li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (true/false).</p>
</li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},

"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- **<code>tag-key</code>:** The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.

- **<code>tag-value</code>:** The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

```java
public class Filter {
    private String tagKey;
    private String tagValue;

    // Setters and getters...
}
```

```java
public class VpcIds {
    private List<String> vpcIds;

    // Fluent setter...
    public VpcIds withVpcIds(String... vpcIds) {
        this.vpcIds.addAll(Arrays.asList(vpcIds));
        return this;
    }
}
```
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member 
   * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VpcId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**\n@param vpcIds One or more VPCs for which you want to describe the ClassicLink status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**\n@param vpcIds One or more VPCs for which you want to describe the ClassicLink status.\n@return Returns a reference to this object so that method calls can be chained together.*/",}

"documentation" : "<p>One or more VPCs for which you want to describe the ClassicLink status.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlnsSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeVpcClassicLinkRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeVpcClassicLinkRequest",
"variableName" : "describeVpcClassicLinkRequest",
"variableType" : "DescribeVpcClassicLinkRequest",
"documentation" : null,
"simpleType" : "DescribeVpcClassicLinkRequest",
"variableSetterType" : "DescribeVpcClassicLinkRequest"
},
"wrapper" : false
],
"DescribeVpcClassicLinkResult" : {
"c2jName" : "DescribeVpcClassicLinkResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpcClassicLink. </p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Vpcs",
"c2jShape" : "VpcClassicLinkList",
"deprecated" : false,
"documentation" : "<p>The ClassicLink status of one or more VPCs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The ClassicLink status of one or more VPCs.</p>\n@param vpcs The ClassicLink status of one or more VPCs.\n@return Returns a reference to this object so that method calls can be chained together.*/"},
"fluentSetterMethodName" : "withVpcs",
"getterDocumentation" : "/**
<p>The ClassicLink status of one or more VPCs.</p>
\n\n@return The ClassicLink status of one or more VPCs.*\*/",
"getterMethodName" : "getVpcs",
"getterModel" : {
"returnType" : "java.util.List<VpcClassicLink>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcClassicLink",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
\n\ngetterMethod" : {
"returnType" : "VpcClassicLink",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
null
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
"templateType" : "java.util.List<VpcClassicLink>

"setterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
@param vpcs The ClassicLink status of one or more VPCs.*/",
"setterMethodName" : "setVpcs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
  "variableName" : "vpcs",
  "variableType" : "java.util.List<VpcClassicLink>",
  "documentation" : "",
  "simpleType" : "List<VpcClassicLink>",
  "variableSetterType" : "java.util.Collection<VpcClassicLink>
  
"simple" : false,
  "varargSetterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {link #setVpcs(java.util.Collection)} or {link #withVpcs(java.util.Collection)} if you want to override the existing values.</p>
@param vpcs The ClassicLink status of one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
    "variableName" : "vpcs",
    "variableType" : "java.util.List<VpcClassicLink>",
    "documentation" : "<p>The ClassicLink status of one or more VPCs.</p>
    "simpleType" : "List<VpcClassicLink>",
    "variableSetterType" : "java.util.Collection<VpcClassicLink>
    
"xmlNameSpaceUri" : null
  }
},
"membersAsMap" : {
  "Vpcs" : {
    "c2jName" : "Vpcs",
    "c2jShape" : "VpcClassicLinkList",
    "deprecated" : false,
    "documentation" : "<p>The ClassicLink status of one or more VPCs.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
    @param vpcs The ClassicLink status of one or more VPCs.
    @return Returns a reference to this object so that method calls can be chained together.*"",
    "fluentSetterMethodName" : "withVpcs",
    "getterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
    @return The ClassicLink status of one or more VPCs.*/",
    "getterMethodName" : "getVpcs",
    "getterModel" : {"simple" : true,
"returnType" : "java.util.List<VpcClassicLink>",
"documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "VpcClassicLink",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "VpcClassicLink",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */
"setterMethodName" : "setMember",
"setterModel" : {
  
  "variableDeclarationType" : "VpcClassicLink",
  "variableName" : "member",
  "variableType" : "VpcClassicLink",
  "documentation" : "",
  "simpleType" : "VpcClassicLink",
  "variableSetterType" : "VpcClassicLink"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcClassicLink",
  "variableName" : "member",
  "variableType" : "VpcClassicLink",
  "documentation" : "",
  "simpleType" : "VpcClassicLink",
  "variableSetterType" : "VpcClassicLink"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcClassicLink",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcClassicLink",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
"templateType" : "java.util.List<VpcClassicLink>"
},
"map" : false,
"mapModel" : null,
"name" : "Vpcs",
"setterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
@param vpcs The ClassicLink status of one or more VPCs.*/",
"setterMethodName" : "setVpcs",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
    "variableName" : "vpcs",
    "variableType" : "java.util.List<VpcClassicLink>",
    "documentation" : "",
    "simpleType" : "List<VpcClassicLink>",
    "variableSetterType" : "java.util.Collection<VpcClassicLink>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcs(java.util.Collection)} or {@link #withVpcs(java.util.Collection)} if you want to override the existing values.</p>
@param vpcs The ClassicLink status of one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
    "variableName" : "vpcs",
    "variableType" : "java.util.List<VpcClassicLink>",
    "documentation" : "<p>The ClassicLink status of one or more VPCs.</p>
    "simpleType" : "List<VpcClassicLink>",
    "variableSetterType" : "java.util.Collection<VpcClassicLink>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeVpcClassicLinkResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeVpcClassicLinkResult",
    "variableName" : "describeVpcClassicLinkResult",
    "variableType" : "DescribeVpcClassicLinkResult",
    "documentation" : null,
    "simpleType" : "DescribeVpcClassicLinkResult",
    "variableSetterType" : "DescribeVpcClassicLinkResult"
},
"wrapper" : false
},
"DescribeVpcEndpointServicesRequest" : {

"c2jName": "DescribeVpcEndpointServicesRequest",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeVpcEndpointServices.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeVpcEndpointServices",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "MaxResults",
    "c2jShape": "Integer",
    "deprecated": false,
    "documentation": "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMaxResults",
    "getterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getMaxResults",
    "getterModel": {
      "returnType": "Integer",
      "documentation": null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxResults",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxResults",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "/**p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p><param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p><param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "documentation": "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than
1000, we return only 1000 items.

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  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>@return The token for the next set of items to return. (You received this token from a prior call.)*/",
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/"
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  "variableName": "nextToken",
  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@returns This parameter is optional. If you provide it, the request returns only the indicated number of results. If you omit it, the request returns all results.
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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    "c2jShape": "Integer",
    "deprecated": false,
    "documentation": "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>">
"fluentSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@returns This parameter is optional. If you provide it, the request returns only the indicated number of results. If you omit it, the request returns all results.
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@returns This parameter is optional. If you provide it, the request returns only the indicated number of results. If you omit it, the request returns all results.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "fluentSetterMethodName": "withMaxResults",
  "getterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@returns This parameter is optional. If you provide it, the request returns only the indicated number of results. If you omit it, the request returns all results.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "header" : false,
  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
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  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. Constraint: If the value is greater than 1000, we return only 1000 items.</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"xmlNameSpaceUri": null
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"NextToken": {
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@return The token for the next set of items to return. (You received this token from a prior call.)*/",
"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": null
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken"
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName" : "setNextToken",
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    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"required" : null,
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    "variableType" : "DescribeVpcEndpointServicesRequest",
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    "variableSetterType" : "DescribeVpcEndpointServicesRequest"
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"wrapper" : false
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"DescribeVpcEndpointServicesResult" : {
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        "skipGeneratingMarshaller" : false,
        "xmlNameSpaceUri" : null
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  "c2jShape": "String",
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  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
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    "isStreaming": false,
    "location": null,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
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  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member */",
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    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "ServiceNames",
"setterDocumentation" : "/**
<p>A list of supported AWS services.</p>
@param serviceNames A list of supported AWS services.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setServiceNames",
"setterModel" : {
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  "variableName" : "serviceNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>A list of supported AWS services.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setServiceNames(java.util.Collection)} or {@link #withServiceNames(java.util.Collection)} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "serviceNames",
  "variableType" : "java.util.List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"documentation": "<p>A list of supported AWS services.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
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"xmlNameSpaceUri": null
}, {
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation": "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
*/",
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"returnType": "String",
"documentation": null
}
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"greedy": false,
"header": false,
"isPayload": false,
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.
*/
}
set of items. If there are no additional items to return, the string is empty.*/

setterMethodName" : "setNextToken",
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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  "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
} ]

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    "enumType" : null,
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    @param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
    @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
    @return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
    @return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
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      "documentation" : null
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    "http" : {

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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no
additional items to return, the string is empty.</p>@param nextToken The token to use when requesting the next
set of items. If there are no additional items to return, the string is empty.*/",
"setterMethodName" : "setNextToken",
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  "variableName" : "nextToken",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no
additional items to return, the string is empty.</p>@param nextToken The token to use when requesting the next
set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object
so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional
items to return, the string is empty.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null}
"ServiceNames" : {
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  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>A list of supported AWS services.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of supported AWS services.</p>
  @param serviceNames A list of supported AWS services.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withServiceNames",
  "getterDocumentation" : "/**<p>A list of supported AWS services.</p>
  @return A list of supported AWS services.*/",
  "getterMethodName" : "getServiceNames",
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    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "serviceNameSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
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    "interfaceType" : "java.util.List",
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      "c2jShape" : "String",
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      "documentation" : "",
      "enumType" : null,
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      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n  @return */",
      "getterMethodName" : "getMember",
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "serviceNameSet",
        "uri" : false
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    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"memberType" : "String",
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "ServiceNames",
"setterDocumentation" : /**<p>A list of supported AWS services.</p>
@param serviceNames A list of supported AWS services.*//
,"setterMethodName" : "setServiceNames",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "serviceNames",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>A list of supported AWS services.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setServiceNames(java.util.Collection) ] or [ @link #withServiceNames(java.util.Collection) ] if you want to override the existing values.</p>
@param serviceNames A list of supported AWS services.
@return Returns a reference to this object so that method calls can be chained together.*//
,"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "serviceNames",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>A list of supported AWS services.</p>",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}.
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcEndpointServicesResult",
"unmarshaller" : null}
"flattened": false,
"resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DescribeVpcEndpointServicesResult",
  "variableName": "describeVpcEndpointServicesResult",
  "variableType": "DescribeVpcEndpointServicesResult",
  "documentation": null,
  "simpleType": "DescribeVpcEndpointServicesResult",
  "variableSetterType": "DescribeVpcEndpointServicesResult"
},
"wrapper": false
},
"DescribeVpcEndpointsRequest": {
  "c2jName": "DescribeVpcEndpointsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeVpcEndpoints.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "DescribeVpcEndpoints",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": {
    "c2jName": "VpcEndpointIds",
    "c2jShape": "ValueStringList",
    "deprecated": false,
    "documentation": "<p>One or more endpoint IDs.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>One or more endpoint IDs.</p>
   * @param vpcEndpointIds One or more endpoint IDs.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpcEndpointIds",
    "getterDocumentation": "/**<p>One or more endpoint IDs.</p>
   * @return One or more endpoint IDs.
   */",
    "getterMethodName": "getVpcEndpointIds",
  }
}
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcEndpointId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcEndpointId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return *
     */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
    }
  }
}
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"}
"setterMethodName" : "setVpcEndpointIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more endpoint IDs.
\n@returns Returns a reference to this object so that method calls can be chained together */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more endpoint IDs.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. <ul> <li>The name of the AWS service.</li> <li>The ID of the VPC in which the endpoint resides.</li> <li>The ID of the endpoint.</li> <li>The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</li> </ul>
@returns Returns a reference to this object so that method calls can be chained together.
","enumType" : null,
"fluentSetterDocumentation" : "One or more filters. <ul> <li>The name of the AWS service.</li> <li>The ID of the VPC in which the endpoint resides.</li> <li>The ID of the endpoint.</li> <li>The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</li> </ul>
@returns Returns a reference to this object so that method calls can be chained together.
"
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**
<p>One or more filters.</p>
<ul>
<li>
<p> <code>service-name</code>: The name of the AWS service.</p>
</li>
<li>
<p> <code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p>
</li>
<li>
<p> <code>vpc-endpoint-id</code>: The ID of the endpoint.</p>
</li>
<li>
<p> <code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p>
</li>
</ul>
@return One or more filters.</p>
<ul>
<li>
<p> <code>service-name</code>: The name of the AWS service.</p>
</li>
<li>
<p> <code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p>
</li>
<li>
<p> <code>vpc-endpoint-id</code>: The ID of the endpoint.</p>
</li>
<li>
<p> <code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p>
</li>
</ul>
*/",
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/
",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    }
  }
}
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@Param member \n@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter"
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul>
@param filters One or more filters.</p> <ul>
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p> <ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link 
#withFilters(java.util.Collection)} if you want to override the existing values.</p><p>@param filters One or more filters.</p> <ul>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": ""}
One or more filters.

- `service-name`: The name of the AWS service.
- `vpc-id`: The ID of the VPC in which the endpoint resides.
- `vpc-endpoint-id`: The ID of the endpoint.
- `vpc-endpoint-state`: The state of the endpoint. (pending | available | deleting | deleted)

The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value is greater than 1000, we return only 1000 items.

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The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value is greater than 1000, we return only 1000 items.
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "/**\p> The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.*"",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**\p> The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together."",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together."
},
"xmlNameSpaceUri": null,
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "The token for the next set of items to return. (You received this token from a prior call.)",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null,
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "The token for the next set of items to return. (You received this token from a prior call.)\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.
"
from a prior call.\n@return Returns a reference to this object so that method calls can be chained together.*/String",
        "fluentSetterMethodName" : "withNextToken",
        "getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@return The token for the next set of items to return. (You received this token from a prior call.)*/String",
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        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "NextToken",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "NextToken",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "NextToken",
        "setterDocumentation" : "/**\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/String",
        "setterMethodName" : "setNextToken",
        "setterModel" : {
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            "variableName" : "nextToken",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "simple" : true,
        "varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@return Returns a reference to this object so that method calls can be chained together.*/String",
        "variable" : {
            "returnType" : "String",
            "documentation" : null
        }
    },
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@return Returns a reference to this object so that method calls can be chained together.*/String",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "NextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "/**\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/String",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/String",
    "variable" : {
        "returnType" : "String",
        "documentation" : null
    }
}
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. The name of the AWS service. The ID of the VPC in which the endpoint resides. The ID of the endpoint. The state of the endpoint. (pending | available | deleting | deleted).
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterDocumentation" : "One or more filters. The name of the AWS service. The ID of the VPC in which the endpoint resides. The ID of the endpoint. The state of the endpoint. (pending | available | deleting | deleted).
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "One or more filters. The name of the AWS service. The ID of the VPC in which the endpoint resides. The ID of the endpoint. The state of the endpoint. (pending | available | deleting | deleted).
@return One or more filters.

..."
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"http2" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/"

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<code>deleting</code> | <code>deleted</code>)</p> <li><p>\n@param filters One or more filters.</p> <ul> <li><p><code>service-name</code>: The name of the AWS service.</p> </li> <li><p><code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li> <li><p><code>vpc-endpoint-id</code>: The ID of the endpoint.</p> </li> <li><p><code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p> </li></ul>
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "One or more filters.
<ul>
<li><p><code>service-name</code>: The name of the AWS service.</p> </li>
<li><p><code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li>
<li><p><code>vpc-endpoint-id</code>: The ID of the endpoint.</p> </li>
<li><p><code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p> </li></ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values.</p>

@<param filters One or more filters.
<ul>
<li><p><code>service-name</code>: The name of the AWS service.</p> </li>
<li><p><code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li>
<li><p><code>vpc-endpoint-id</code>: The ID of the endpoint.</p> </li>
<li><p><code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p>
</li>
</ul>

@return Returns a reference to this object so that method calls can be chained together.
*/
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.
<ul>
<li><p><code>service-name</code>: The name of the AWS service.</p> </li>
<li><p><code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li>
<li><p><code>vpc-endpoint-id</code>: The ID of the endpoint.</p> </li>
<li><p><code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p>
</li>
</ul>

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null,
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
<p><code>Constraint: If the value is greater than 1000, we return only 1000 items.</code>
*/

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is greater than 1000, we return only 1000 items.</p><p>@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is greater than 1000, we return only 1000 items.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is greater than 1000, we return only 1000 items.</p><p>@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/",
"getterDocumentation" : "/**
<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**
<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults"}
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
],
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "Integer",
"variableName": "maxResults",
"variableType": "Integer",
"documentation": "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value is greater than 1000, we return only 1000 items.
",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"NextToken": {
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "The token for the next set of items to return. (You received this token from a prior call.)",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "The token for the next set of items to return. (You received this token from a prior call.)",
"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p><p>@param nextToken The token for the next set of items to return. (You received this token from a prior call.)</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p><p>@param nextToken The token for the next set of items to return. (You received this token from a prior call.)</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"VpcEndpointIds" : {
  "c2jName" : "VpcEndpointIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more endpoint IDs.</p>"}
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>One or more endpoint IDs.</p>\n@param vpcEndpointIds One or more endpoint IDs.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/
"fluentSetterMethodName": "withVpcEndpointIds",
"getterDocumentation": "/**\n<p>One or more endpoint IDs.</p>\n@return One or more endpoint IDs.*\n*/
"getterMethodName": "getVpcEndpointIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcEndpointId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VpcEndpointId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": "",
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getMethod": "getMember",
"getModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
],
"map": false,
"mapModel": null,
"name": "VpcEndpointIds",
"setterDocumentation": "**<p>One or more endpoint IDs.</p>\n@param vpcEndpointIds One or more endpoint IDs.*/",
"setterMethodName": "setVpcEndpointIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "vpcEndpointIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "**<p>One or more endpoint IDs.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setVpcEndpointIds(java.util.Collection) \} or \{ @link #withVpcEndpointIds(java.util.Collection) \} if you want to override the existing values.\n@param vpcEndpointIds One or more endpoint IDs.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "vpcEndpointIds",
"variableType": "java.util.List<String>",
"documentation": "<p>One or more endpoint IDs.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeVpcEndpointsRequest",
"unmarshaller": null,
"variable": {
"variableDeclarationType": "DescribeVpcEndpointsRequest",
"variableName": "describeVpcEndpointsRequest",
"variableType": "DescribeVpcEndpointsRequest",
"documentation": null,
"simpleType": "DescribeVpcEndpointsRequest",
"variableSetterType": "DescribeVpcEndpointsRequest"
"DescribeVpcEndpointsResult" : {
  "c2jName" : "DescribeVpcEndpointsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpcEndpoints.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "VpcEndpoints",
    "c2jShape" : "VpcEndpointSet",
    "deprecated" : false,
    "documentation" : "<p>Information about the endpoints.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the endpoints.</p>
@param vpcEndpoints
Information about the endpoints.
@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withVpcEndpoints",
    "getterDocumentation" : "/**<p>Information about the endpoints.</p>
@return Information about the endpoints.
*/",
    "getterMethodName" : "getVpcEndpoints",
    "getterModel" : {
      "returnType" : "java.util.List<VpcEndpoint>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcEndpointSet",
      "queryString" : false,
      "defaultResponseInlineSchema" : null
    }
  }
}
"statusCode" : false,
"unmarshallLocationName" : "vpcEndpointSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcEndpoint",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VpcEndpoint",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
*/",
"setterMethodName" : "setMember",
"setterModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcEndpoint",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VpcEndpoint",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"variableDeclarationType" : "VpcEndpoint",
"variableName" : "member",
"variableType" : "VpcEndpoint",
"documentation" : "",
"simpleType" : "VpcEndpoint",
"variableSetterType" : "VpcEndpoint"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VpcEndpoint",
"variableName" : "member",
"variableType" : "VpcEndpoint",
"documentation" : "",
"simpleType" : "VpcEndpoint",
"variableSetterType" : "VpcEndpoint"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcEndpoint",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcEndpoint",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
"templateType" : "java.util.List<VpcEndpoint>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcEndpoints",
"setterDocumentation" : "/**<p>Information about the endpoints.</p>
@param vpcEndpoints Information about the endpoints.*/",
"setterMethodName" : "setVpcEndpoints",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
"variableName" : "vpcEndpoints",
"variableType" : "java.util.List<VpcEndpoint>",
"documentation" : "",
"simpleType" : "List<VpcEndpoint>",
"variableSetterType" : "java.util.Collection<VpcEndpoint>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the endpoints.</p>
@param vpcEndpoints Information about the endpoints.*/"
method appends the values to the existing list (if any). Use [link setVpcEndpoints(java.util.Collection)] or [link #withVpcEndpoints(java.util.Collection)] if you want to override the existing values.</p>

@returns

@returns Returns a reference to this object so that method calls can be chained together.*"/

/**<p>Information about the endpoints.
@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>"",
  "variableName" : "vpcEndpoints",
  "variableType" : "java.util.List<VpcEndpoint>"",
  "documentation" : "<p>Information about the endpoints.</p>",
  "simpleType" : "List<VpcEndpoint>"",
  "variableSetterType" : "java.util.Collection<VpcEndpoint>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty."",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty."",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
};
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/** <p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. </p>@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. */",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. </p>@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
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"membersAsMap" : {
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. \n\n@returns Returns a reference to this object so that method calls can be chained together."",
    "enumType" : null,
    "fluentSetterDocumentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. \n\n@returns Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. \n\n@returns Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. \n\n@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty. */",
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      "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together. */",
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      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlnsNameSpaceUri" : null
  }
};
additional items to return, the string is empty./p>
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty./p>

```
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    "documentation" : null
},
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "NextToken",
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@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
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    "variableSetterType" : "String"
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"simple" : true,
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@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableSetterType" : "String"
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    "variableType" : "String",
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"queryString" : false,
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"list" : false,
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@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
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@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
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    "documentation" : "",
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    "variableSetterType" : "String"
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"simple" : true,
"vargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
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"variableType" : "String",
"documentation" : "&lt;p&gt;The token to use when requesting the next set of items. If there are no additional
items to return, the string is empty.&lt;/p&gt;",
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"variableSetterType" : "String"
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"VpcEndpoints" : {
"c2jName" : "VpcEndpoints",
"c2jShape" : "VpcEndpointSet",
"deprecated" : false,
"documentation" : "&lt;p&gt;Information about the endpoints.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;Information about the endpoints.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withVpcEndpoints",
"getterDocumentation" : "/*&lt;p&gt;Information about the endpoints.&lt;/p&gt;\n@returns Information about the endpoints.*/",
"getterMethodName" : "getVpcEndpoints",
"getterModel" : {
"returnType" : "java.util.List&lt;VpcEndpoint&gt;",
"documentation" : null
},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcEndpointSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcEndpointSet",
"uri" : false
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "VpcEndpoint",
"documentation" : "&lt;p&gt;The token to use when requesting the next set of items. If there are no additional
items to return, the string is empty.&lt;/p&gt;",
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
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"returnType" : "VpcEndpoint",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member *
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "VpcEndpoint",
"documentation" : "",
"simpleType" : "VpcEndpoint",
"variableSetterType" : "VpcEndpoint"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
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"documentation" : "",
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"variableType": "VpcEndpoint",
"documentation": "",
"simpleType": "VpcEndpoint",
"variableSetterType": "VpcEndpoint"
},
"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "VpcEndpoint",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VpcEndpoint",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
"templateType": "java.util.List<VpcEndpoint>"
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"map": false,
"mapModel": null,

"name": "VpcEndpoints",

"setterDocumentation": "/**<p>Information about the endpoints.</p>
@param vpcEndpoints Information about the endpoints.</*/",
"setterMethodName": "setVpcEndpoints",
"setterModel": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
"variableName": "vpcEndpoints",
"variableType": "java.util.List<VpcEndpoint>",
"documentation": "",
"simpleType": "List<VpcEndpoint>",
"variableSetterType": "java.util.Collection<VpcEndpoint>"
},

"simple": false,

"varargSetterDocumentation": "/**<p>Information about the endpoints.</p>

@param vpcEndpoints Information about the endpoints.</*/<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcEndpoints(java.util.Collection)} or {
 @link #withVpcEndpoints(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.
*/",

"variable": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",

"variableName": "vpcEndpoints",

"variableType": "java.util.List<VpcEndpoint>",

"documentation": "<p>Information about the endpoints.</p>

"simpleType": "List<VpcEndpoint>",

"variableSetterType": "java.util.Collection<VpcEndpoint>"
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"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "describeVpcEndpointsResult",
  "variableType" : "DescribeVpcEndpointsResult",
  "documentation" : null,
  "simpleType" : "DescribeVpcEndpointsResult",
  "variableSetterType" : "DescribeVpcEndpointsResult"
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"wrapper" : false,
"DescribeVpcPeeringConnectionsRequest" : {
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  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
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  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVpcPeeringConnections.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "VpcPeeringConnectionIds",
    "c2jShape" : "ValueStringList"}]}
"deprecated" : false,
"documentation" : "<p>One or more VPC peering connection IDs.</p> <p>Default: Describes all your VPC peering connections.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*\n@param vpcPeeringConnectionIds One or more VPC peering connection IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionIds",
"getterDocumentation" : "/*\n@return One or more VPC peering connection IDs.
Default: Describes all your VPC peering connections.*/",
"getterMethodName" : "getVpcPeeringConnectionIds",
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  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
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"idempotencyToken" : false,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "String",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*\n@return *
Default: Describes all your VPC peering connections.*/",
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
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  "uri" : false
},
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"mapModel" : null,
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@param member */",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"map" : false,
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionIds",
"setterDocumentation" : "/**<p>One or more VPC peering connection IDs.</p> <p>Default: Describes all your VPC peering connections.</p><p>Note: This method appends the values to the existing list (if any). Use { @link #setVpcPeeringConnectionIds(java.util.Collection)} or { @link #withVpcPeeringConnectionIds(java.util.Collection)} if you want to override the existing values.</p><p>@param vpcPeeringConnectionIds One or more VPC peering connection IDs.</p> <p>Default: Describes all your VPC peering connections.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcPeeringConnectionIds",
"setterModel" : {
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  "variableName" : "vpcPeeringConnectionIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
  ",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more VPC peering connection IDs.</p> <p>Default: Describes all your VPC peering connections.</p> <p>Note: This method appends the values to the existing list (if any). Use { @link #setVpcPeeringConnectionIds(java.util.Collection)} or { @link #withVpcPeeringConnectionIds(java.util.Collection)} if you want to override the existing values.</p><p>@param vpcPeeringConnectionIds One or more VPC peering connection IDs.</p> <p>Default: Describes all your VPC peering connections.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
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    "variableName" : "vpcPeeringConnectionIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more VPC peering connection IDs.</p> <p>Default: Describes all your VPC peering connections.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
    ",
  "xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.<p>\</p> <ul> <li> \p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</li> <li> \p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</li> <li> \p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</li> <li> \p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</li> <li> \p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</li> <li> \p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</li> <li> \p> <code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).\</li> <li> \p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> \p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose\" and the filter \tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:key</code>:<i>value</i> filter.\</li> <li> \p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.\</li> <li> \p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.\</li> </ul>
@param filters One or more filters.<p>\</p> <ul> <li> \p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</li> <li> \p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</li> <li> \p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</li> <li> \p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</li> <li> \p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</li> <li> \p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</li> <li> \p> <code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).\</li> <li> \p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> \p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose\" and the filter \tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:key</code>:<i>value</i> filter.\</li> <li> \p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.\</li> <li> \p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.\</li> </ul>
<li><p>&lt;code&gt;requester-vpc-info.owner-id&lt;/code&gt; - The AWS account ID of the owner of the requester VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;requester-vpc-info.vpc-id&lt;/code&gt; - The ID of the requester VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;status-code&lt;/code&gt; - The status of the VPC peering connection (&lt;code&gt;pending-acceptance&lt;/code&gt; | &lt;code&gt;failed&lt;/code&gt; | &lt;code&gt;expired&lt;/code&gt; | &lt;code&gt;provisioning&lt;/code&gt; | &lt;code&gt;active&lt;/code&gt; | &lt;code&gt;deleted&lt;/code&gt; | &lt;code&gt;rejected&lt;/code&gt;).&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;status-message&lt;/code&gt; - A message that provides more information about the status of the VPC peering connection, if applicable.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; filter.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;vpc-peering-connection-id&lt;/code&gt; - The ID of the VPC peering connection.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;vpc-peering-connection-id&lt;/code&gt; - One or more filters.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;accepter-vpc-info.cidr-block&lt;/code&gt; - The IPv4 CIDR block of the peer VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;accepter-vpc-info.owner-id&lt;/code&gt; - The AWS account ID of the owner of the peer VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;accepter-vpc-info.vpc-id&lt;/code&gt; - The ID of the peer VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;expiration-time&lt;/code&gt; - The expiration date and time for the VPC peering connection.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;requester-vpc-info.cidr-block&lt;/code&gt; - The IPv4 CIDR block of the requester's VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;requester-vpc-info.owner-id&lt;/code&gt; - The AWS account ID of the owner of the requester VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;requester-vpc-info.vpc-id&lt;/code&gt; - The ID of the requester VPC.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;status-code&lt;/code&gt; - The status of the VPC peering connection (&lt;code&gt;pending-acceptance&lt;/code&gt; | &lt;code&gt;failed&lt;/code&gt; | &lt;code&gt;expired&lt;/code&gt; | &lt;code&gt;provisioning&lt;/code&gt; | &lt;code&gt;active&lt;/code&gt; | &lt;code&gt;deleted&lt;/code&gt; | &lt;code&gt;rejected&lt;/code&gt;).&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;status-message&lt;/code&gt; - A message that provides more information about the status of the VPC peering connection, if applicable.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; filter.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt;  
&lt;/li&gt;  
&lt;li&gt;  
&lt;p&gt; &lt;code&gt;vpc-peering-connection-id&lt;/code&gt; - The ID of the VPC peering connection.&lt;/p&gt;  
&lt;/li&gt;
A message that provides more information about the status of the VPC peering connection, if applicable.

The key/value combination of a tag assigned to the resource. Specify
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

The key of a tag assigned to the resource. This filter is independent of the `tag-value` filter. For example, if you use both the filter `<tag-key=Purpose>` and the filter `<tag-value=X>`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag-value` filter.

The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter. For example, if you use both the filter `<tag-key=Purpose>` and the filter `<tag-value=X>`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag-value` filter.
"getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAddtionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",

"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p><code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p><code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p> </li> <li> <p><code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p> </li> <li> <p><code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p> </li> <li> <p><code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p> </li> <li> <p><code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p> </li> <li> <p><code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p> </li> <li> <p><code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).</p> </li> <li> <p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p><code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.</p> </li> </ul>
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter.

- `<code>vpc-peering-connection-id</code>` - The ID of the VPC peering connection.

```java
setterMethodName" : "setFilters",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
   "variableName" : "filters",
   "variableType" : "java.util.List<Filter>",
   "documentation" : "",
   "simpleType" : "List<Filter>",
   "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p> </li> <li> <p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p> </li> <li> <p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p> </li> <li> <p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p> </li> <li> <p> <code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p> </li> <li> <p> <code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>). </p> </li> <li> <p> <code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter.

```
owner of the requester VPC.

- The ID of the requester VPC.
- The status of the VPC peering connection.
- A message that provides more information about the status of the VPC peering connection, if applicable.

The IPv4 CIDR block of the peer VPC.
- The AWS account ID of the owner of the peer VPC.
- The expiration date and time for the VPC peering connection.
- The IPv4 CIDR block of the requester's VPC.
- The AWS account ID of the owner of the requester VPC.
- The ID of the peer VPC.
- The ID of the requester VPC.

Key/value combination of a tag assigned to the resource.

The key/value combination of a tag assigned to the resource.

The key/value combination of a tag assigned to the resource.

The ID of the VPC peering connection.
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters.
- The IPv4 CIDR block of the peer VPC.
- The AWS account ID of the owner of the peer VPC.
- The ID of the peer VPC.
- The expiration date and time for the VPC peering connection.
- The IPv4 CIDR block of the requester's VPC.
- The AWS account ID of the owner of the requester VPC.
- The ID of the requester VPC.
- The status of the VPC peering connection
- The value of a tag assigned to the resource. This filter is independent of the
  \"tag-key\" filter. For example, if you use both the filter \"tag-key=Purpose\" and
  the filter \"tag-value=\$X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's
  value is), and the tag value \$X (regardless of what the tag's key is). If you want to list only resources where Purpose
  is \$X, see the \"tag\$key=\$X\" filter.
- The value of a tag assigned to the resource. This filter is independent of the
  \"tag-key\" filter. For example, if you use both the filter \"tag-key=Purpose\" and
  the filter \"tag-value=\$X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's
  value is), and the tag value \$X (regardless of what the tag's key is). If you want to list only resources where Purpose
  is \$X, see the \"tag\$key=\$X\" filter.
- The value of a tag assigned to the resource. This filter is independent of the
  \"tag-key\" filter. For example, if you use both the filter \"tag-key=Purpose\" and
  the filter \"tag-value=\$X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's
  value is), and the tag value \$X (regardless of what the tag's key is). If you want to list only resources where Purpose
  is \$X, see the \"tag\$key=\$X\" filter.
- The ID of the VPC peering connection."
owner of the peer VPC.

```xml
<code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.
<code>vpc-info.vpc-id</code> - The ID of the peer VPC.
<code>vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.
<code>vpc-info.vpc-id</code> - The ID of the requester VPC.
<code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>). A message that provides more information about the status of the VPC peering connection, if applicable.
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag=value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. If you want to list resources with the tag key Purpose and any value, you can use the tag-key filter.
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
<code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.
```

"fluentSetterMethodName": "withFilters",

"getterDocumentation": "/**
 * One or more filters.
 */
<code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.
<code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.
<code>expiration-time</code> - The expiration date and time for the VPC peering connection.
<code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.
<code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.
<code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.
<code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable.
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. If you want to list resources with the tag key Purpose and any value, you can use the tag-key filter.
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
<code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.
```

```
```

```xml
<code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.
<code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.
<code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.
```

```xml
<code>vpc-info.vpc-id</code> - The ID of the peer VPC.
<code>vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.
<code>vpc-info.vpc-id</code> - The ID of the requester VPC.
<code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>). A message that provides more information about the status of the VPC peering connection, if applicable.
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. If you want to list resources with the tag key Purpose and any value, you can use the tag-key filter.
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
```
<li><p><code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p></li>
<li><p><code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable.</p></li>
<li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p></li>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter \"tag-value=X\" filter.</p></li>
<li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p></li>
<li><p><code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.<br></p></li>
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p> </li> <li> <p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p> </li> <li> <p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p> </li> <li> <p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p> </li> <li> <p> <code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <code>tag</code>:<i>key</i>=<i>value</i> filter filters One or more filters.</p> </li> <li> <p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.</p> </li> <li> <p> <code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
</ul>
@param filters One or more filters.

"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p> </li> <li> <p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p> </li> <li> <p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p> </li> <li> <p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p> </li> <li> <p> <code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <code>tag</code>:<i>key</i>=<i>value</i> filter filters One or more filters.</p> </li> <li> <p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.</p> </li> <li> <p> <code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).</p> </ul>
@param filters One or more filters.
the peer VPC. </p> 
<li> <p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection. </p> 
<li> <p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester’s VPC. </p> 
<li> <p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC. </p> 
<li> <p> <code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC. </p> 
<li> <p> <code>status-code</code> - The status of the VPC peering connection (pending-acceptance | failed | expired | provisioning). </p> 
<li> <p> <code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable. </p> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> 
<li> <p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection. </p> 
</li>

```java
@Retention(AnnotationRetention.RUNTIME)
@Target({ElementType.METHOD})
public @interface VPCPeeringConnectionFilter {
    Filter[] value();
}
```

Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters."
}
"VpcPeeringConnectionIds" : {
    "c2jName" : "VpcPeeringConnectionIds",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "One or more VPC peering connection IDs. Default: Describes all your VPC peering connections. */",
    "enumType" : null,
    "fluentSetterDocumentation" : "One or more VPC peering connection IDs. Default: Describes all your VPC peering connections. */
    "getterDocumentation" : "One or more VPC peering connection IDs. Default: Describes all your VPC peering connections. */
    "getterMethodName" : "getVpcPeeringConnectionIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "VpcPeeringConnectionId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "VpcPeeringConnectionId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "Param member \n@return Returns a reference to this object so that

method calls can be chained together.*/
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@\n@param member
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n@\n@param member\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String"}
<variable type="String">
</variable>

"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionIds",
"setterDocumentation" : /**<p>One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.</p>*/
@param vpcPeeringConnectionIds One or more VPC peering connection IDs.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setVpcPeeringConnectionIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcPeeringConnectionIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.</p>*/
parameters vpcPeeringConnectionIds java.util.Collection if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcPeeringConnectionIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcPeeringConnectionsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVpcPeeringConnectionsRequest",
  "variableName" : "describeVpcPeeringConnectionsRequest",
  "variableType" : "DescribeVpcPeeringConnectionsRequest",
  "documentation" : null,
  "simpleType" : "DescribeVpcPeeringConnectionsRequest",
  "variableSetterType" : "DescribeVpcPeeringConnectionsRequest"
}
},
"wrapper" : false,
},
"DescribeVpcPeeringConnectionsResult" : {
  "c2jName" : "DescribeVpcPeeringConnectionsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpcPeeringConnections.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "VpcPeeringConnections",
    "c2jShape" : "VpcPeeringConnectionList",
    "deprecated" : false,
    "documentation" : "<p>Information about the VPC peering connections.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the VPC peering connections.</p><p>@param vpcPeeringConnections Information about the VPC peering connections.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withVpcPeeringConnections",
    "getterDocumentation" : "/**<p>Information about the VPC peering connections.</p><p>@return Information about the VPC peering connections.</p>*/",
    "getterMethodName" : "getVpcPeeringConnections",
    "getterModel" : 
  ]
"returnType" : "java.util.List<VpcPeeringConnection>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcPeeringConnection",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VpcPeeringConnection",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "member",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "member",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcPeeringConnection",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcPeeringConnection",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
"templateType" : "java.util.List<VpcPeeringConnection>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnections",
"setterDocumentation" : "/**
 * Information about the VPC peering connections.
 */",
"setterMethodName" : "setVpcPeeringConnections",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
    "variableName" : "vpcPeeringConnections",
    "variableType" : "java.util.List<VpcPeeringConnection>",
    "documentation" : "",
    "simpleType" : "List<VpcPeeringConnection>",
    "variableSetterType" : "java.util.Collection<VpcPeeringConnection>",
}
"simple" : false,
"varargSetterDocumentation" : "/**
 * Information about the VPC peering connections.
 * 
 * NOTE: This method appends the values to the existing list (if any). Use @link
 * #setVpcPeeringConnections(java.util.Collection) or @link #withVpcPeeringConnections(java.util.Collection)
 * if you want to override the existing values.
 */

 * @return Returns a reference to this object so that method calls can be chained together.
 */

 "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
    "variableName" : "vpcPeeringConnections",
    "variableType" : "java.util.List<VpcPeeringConnection>",
    "documentation" : "Information about the VPC peering connections.
    * 
    * @return Information about the VPC peering connections.
    */

    "getVpcPeeringConnections",
    "getterModel" : {
    "returnType" : "java.util.List<VpcPeeringConnection>",
    "documentation" : null
    },
    "http" : {
    "additionalMarshallingPath" : null,
    "fluentSetterMethodName" : "withVpcPeeringConnections",
    "fluentSetterDocumentation" : "/**
     * Information about the VPC peering connections.
     * 
     * Returns a reference to this object so that method calls can be chained together.
     */

     "variable" : {
     "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
     "variableName" : "vpcPeeringConnections",
     "variableType" : "java.util.List<VpcPeeringConnection>",
     "documentation" : "Information about the VPC peering connections.
     */

     "getVpcPeeringConnections",
     "getterModel" : {
     "returnType" : "java.util.List<VpcPeeringConnection>",
     "documentation" : null
     },
     "http" : {
     "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionSet",
"uri" : false,
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcPeeringConnection",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VpcPeeringConnection",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
null
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "member",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "member",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcPeeringConnection",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcPeeringConnection",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
"templateType" : "java.util.List<VpcPeeringConnection>" 
},
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnections",
"setterDocumentation" : "/**
@param vpcPeeringConnections Information about the VPC peering connections.*/",
"setterMethodName" : "setVpcPeeringConnections",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
"variableName" : "vpcPeeringConnections",
"variableType" : "java.util.List<VpcPeeringConnection>",
"documentation" : "",
"simpleType" : "List<VpcPeeringConnection>",
"variableSetterType" : "java.util.Collection<VpcPeeringConnection>
",
"simple" : false,
"varargSetterDocumentation" : "/**\n*p>Information about the VPC peering connections.<\n
*NOTE:* This method appends the values to the existing list (if any). Use [@link
#setVpcPeeringConnections(java.util.Collection)](java.util.Collection) or [@link #withVpcPeeringConnections(java.util.Collection)] if
you want to override the existing values.<\n
*return* Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
"variableName" : "vpcPeeringConnections",
"variableType" : "java.util.List<VpcPeeringConnection>",
"documentation" : "<\n
*p>Information about the VPC peering connections.<\n
",
"simpleType" : "List<VpcPeeringConnection>",
"variableSetterType" : "java.util.Collection<VpcPeeringConnection>
"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcPeeringConnectionsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeVpcPeeringConnectionsResult",
"variableName" : "describeVpcPeeringConnectionsResult",
"variableType" : "DescribeVpcPeeringConnectionsResult",
"documentation" : null,
"simpleType" : "DescribeVpcPeeringConnectionsResult",
"variableSetterType" : "DescribeVpcPeeringConnectionsResult"
},
"wrapper" : false
",
"DescribeVpcsRequest" : {
"c2jName" : "DescribeVpcsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeVpcs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeVpcs",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : 'POST",
  "xmlnsNamespaceUri" : null
},
"members" : [ {
  "c2jName" : "VpcIds",
  "c2jShape" : "VpcIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more VPC IDs.</p> Default: Describes all your VPCs.<p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more VPC IDs.</p> Default: Describes all your VPCs.<p>@param vpcIds One or more VPC IDs.</p> Default: Describes all your VPCs.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcIds",
  "getterDocumentation" : "/**<p>One or more VPC IDs.</p> Default: Describes all your VPCs.<p>@return One or more VPC IDs.</p> Default: Describes all your VPCs.</p>
  "getterMethodName" : "getVpcIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpcId",
```
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VpcId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : " One or more VPC IDs. 

@p Default: Describes all your VPCs."
"setterMethodName" : "setVpcIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : " One or more VPC IDs. 

@p Default: Describes all your VPCs.
"varargMethodName" : "withVpcIds",
"varargModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : " One or more VPC IDs. 

@p Default: Describes all your VPCs.
"varargMethodName" : "withVpcIds",
"varargModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
values.</p>

**Parameter**: `vpCIds`<br>
One or more VPC IDs.<br>
**Default**: Describes all your VPCs.<br>
**Returns**: A reference to this object so that method calls can be chained together.*

```java
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "vpCIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more VPC IDs.<br>
    Default: Describes all your VPCs.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
}
```

**Values**<br>
**Default**: Describes all your VPCs.

```java
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.<br>
- The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, \"/28\").<br>
- The ID of a set of DHCP options.<br>
- An IPv6 CIDR block associated with the VPC.<br>
- The association ID for an IPv6 CIDR block associated with the VPC.<br>
- The state of an IPv6 CIDR block associated with the VPC.<br>
- Indicates whether the VPC is the default VPC.<br>
- The state of the VPC (pending | available).<br>
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify \"tag:Purpose\" for the filter name and \"X\" for the filter value.<br>
- The key of a tag assigned to the resource. This filter is independent of the \"tag-value\" filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \"tag\" filter with the filter name \"tag\" and the filter value \"X\".
```

```java
"enumType" : null,
"fluentSetterDocumentation" : "/**One or more filters.<br>
- The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, \"/28\\").<br>
- The ID of a set of DHCP options.<br>
- An IPv6 CIDR block associated with the VPC.<br>
- The association ID for an IPv6 CIDR block associated with the VPC.<br>
- The state of an IPv6 CIDR block associated with the VPC.<br>
- Indicates whether the VPC is the default VPC.<br>
- The state of the VPC (pending | available).<br>
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify \"tag:Purpose\" for the filter name and \"X\" for the filter value.<br>
```

```java
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose\" and the filter "\tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.  

The value of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter.  

- The ID of the VPC.  

- The ID of a set of DHCP options.  

- An IPv6 CIDR block associated with the VPC.  

- The association ID for an IPv6 CIDR block associated with the VPC.  

- The state of an IPv6 CIDR block associated with the VPC.  

- Indicates whether the VPC is the default VPC.  

- The state of the VPC (<code>pending</code> | <code>available</code>).  

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  

- The key of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter "\tag-key=Purpose\" and the filter "\tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.  

- The value of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter.  

- The ID of the VPC.  

- The ID of a set of DHCP options.  

- An IPv6 CIDR block associated with the VPC.  

- The association ID for an IPv6 CIDR block associated with the VPC.  

- The state of an IPv6 CIDR block associated with the VPC.  

- Indicates whether the VPC is the default VPC.  

- The state of the VPC (<code>pending</code> | <code>available</code>).  

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  

- The key of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter "\tag-key=Purpose\" and the filter "\tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
specify must exactly match the VPC’s CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>).<p> </li> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC.</p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.</p> </li> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.</p> </li> <li> <p> <code>isDefault</code> - Indicates whether the VPC is the default VPC.</p> </li> <li> <p> <code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>).</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC.</p> </li>
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>).</p> </li> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC.</p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.</p> </li> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.</p> </li> </ul>
@param filters

One or more filters.
<p><code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>). </p></li> <li> <p><code>tag</code>:<i>key</i> = <i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p></li> <li> <p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i> = <i>value</i> filter. </p></li> <li> <p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p></li> <li> <p><code>vpc-id</code> - The ID of the VPC. </p></li> /*</code>}</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {link #setFilters(java.util.Collection)} or {link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
@param filters One or more filters.</ul><p><code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </p></li> <li> <p><code>dhcp-options-id</code> - The ID of a set of DHCP options. </p></li> <li> <p><code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC. </p></li> <li> <p><code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC. </p></li> <li> <p><code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC. </p></li> <li> <p><code>isDefault</code> - Indicates whether the VPC is the default VPC. </p></li> <li> <p><code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>). </p></li> <li> <p><code>vpc-id</code> - The ID of the VPC. </p></li> <li> <p><code>tag</code>:<i>key</i> = <i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p></li> <li> <p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i> = <i>value</i> filter. </p></li> <li> <p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p></li> <li> <p><code>vpc-id</code> - The ID of the VPC. </p></li>
"documentation": "One or more filters. 

- **cidr** - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, /28).

- **dhcp-options-ids** - The ID of a set of DHCP options.

- **ipv6-cidr-block-association.ipv6-cidr-block** - An IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.association-id** - The association ID for an IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.state** - The state of an IPv6 CIDR block associated with the VPC.

- **isDefault** - Indicates whether the VPC is the default VPC.

- **state** - The state of the VPC (pending, available).

- **tag:key=value** - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

- **tag-key** - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag filter.

- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the tag-key filter.

- **vpc-id** - The ID of the VPC.

@/**

- **pending** - Indicates whether the VPC is the default VPC.

@/**

@param filters One or more filters.

- **cidr** - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, /28).

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- **ipv6-cidr-block-association.ipv6-cidr-block** - An IPv6 CIDR block associated with the VPC.

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- **ipv6-cidr-block-association.state** - The state of an IPv6 CIDR block associated with the VPC.

- **isDefault** - Indicates whether the VPC is the default VPC.

- **state** - The state of the VPC (pending, available).

- **tag:key=value** - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

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- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the tag-key filter.

- **vpc-id** - The ID of the VPC.

@/**

- **pending** - Indicates whether the VPC is the default VPC.

@/**

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- **cidr** - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, /28).

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- **ipv6-cidr-block-association.ipv6-cidr-block** - An IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.association-id** - The association ID for an IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.state** - The state of an IPv6 CIDR block associated with the VPC.

- **isDefault** - Indicates whether the VPC is the default VPC.

- **state** - The state of the VPC (pending, available).

@/**

@param filters One or more filters.

- **cidr** - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, /28).

- **dhcp-options-ids** - The ID of a set of DHCP options.

- **ipv6-cidr-block-association.ipv6-cidr-block** - An IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.association-id** - The association ID for an IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.state** - The state of an IPv6 CIDR block associated with the VPC.

- **isDefault** - Indicates whether the VPC is the default VPC.

- **state** - The state of the VPC (pending, available).

@/**

@param filters One or more filters.

- **cidr** - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, /28).

- **dhcp-options-ids** - The ID of a set of DHCP options.

- **ipv6-cidr-block-association.ipv6-cidr-block** - An IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.association-id** - The association ID for an IPv6 CIDR block associated with the VPC.

- **ipv6-cidr-block-association.state** - The state of an IPv6 CIDR block associated with the VPC.

- **isDefault** - Indicates whether the VPC is the default VPC.
The state of the VPC (<code>pending</code> | <code>available</code>).<p> </p></li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> tag:X</code> for the filter value.<p> </p></li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<p> </p></li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<p> </p></li> <li> <p> <code>vpc-id</code> - The ID of the VPC.<p> </p></li> <li> <p> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>).<p> </p></li> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.<p> </p></li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.<p> </p></li> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.<p> </p></li> <li> <p> <code>isDefault</code> - Indicates whether the VPC is the default VPC.<p> </p></li> <li> <p> <code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>).<p> </p></li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> tag:X</code> for the filter value.<p> </p></li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<p> </p></li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>::<i>key</i>=<i>value</i> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- <code>vpc-id</code> - The ID of the VPC.
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </p> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options. </p> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC. </p> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC. </p> <li> <p> <code>isDefault</code> - Indicates whether the VPC is the default VPC. </p> <li> <p> <code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>). </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value=X</code> for the filter value. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> <li> <p> <code>vpc-id</code> - The ID of the VPC. </p> <p> <ul> <li> <p> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </p> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options. </p> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC. </p> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC. </p> <li> <p> <code>isDefault</code> - Indicates whether the VPC is the default VPC. </p> <li> <p> <code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>). </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value=X</code> for the filter value. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li></ul> </p>"
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
One or more filters.</p> <ul>
<li> <p> 
<code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>).</li>
<li> <p> 
<code>dhcp-options-id</code> - The ID of a set of DHCP options.</li>
<li> <p> 
<code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC.</li>
<li> <p> 
<code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.</li>
<li> <p> 
<code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.</li>
<li> <p> 
<code>isDefault</code> - Indicates whether the VPC is the default VPC.</li>
<li> <p> 
<code>state</code> - The state of the VPC (pending | available) .</li>
<li> <p> 
<code>tag:key</code>:<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li> <p> 
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li> <p> 
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li> <p> 
<code>vpc-id</code> - The ID of the VPC.</li>
</ul>
<p>
NOTE: This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
</ul>

return Returns a reference to this object so that method calls can be chained together."/"}
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.\n
    - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, \"/28\")\n    - The ID of a set of DHCP options.\n    - An IPv6 CIDR block associated with the VPC.\n    - Indicates whether the VPC is the default VPC.\n    - The state of the VPC (\"pending\", \"available\", etc.)\n    - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify \"tag:Purpose\" for the filter name and \"X\" for the filter value.\n    - The key of a tag assigned to the resource. This filter is independent of the \"tag-value\" filter. For example, if you use both the filter \"Purpose=V\" and the filter \"tag-value=V\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \"tag:Purpose\" filter.\n    - The value of a tag assigned to the resource. This filter is independent of the \"tag-key\" filter.\n
    \"simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"VpcIds" : {
    "c2jName" : "VpcIds",
    "c2jShape" : "VpcIdStringList",
    "deprecated" : false,
    "documentation" : "One or more VPC IDs.\nDefault: Describes all your VPCs.\n\n\"simpleType" : "List<String>",
    "enumType" : null,
    "fluentSetterDocumentation" :="/**\n\n    * One or more VPC IDs.\n    * Default: Describes all your VPCs.\n    \*/",
    "fluentSetterMethodName" : "withVpcIds",
    "getterDocumentation" :="/**\n\n    * One or more VPC IDs.\n    * Default: Describes all your VPCs.\n    \*/",
    "getterMethodName" : "getVpcIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null
    }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
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"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "VpcId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"},
"map": false,
"mapModel": null,
"name": "VpcIds",
"setterDocumentation": "/**<p>One or more VPC IDs.</p> <p>Default: Describes all your VPCs.</p> <p>@param vpcIds One or more VPC IDs.</p> <p>Default: Describes all your VPCs.</p>*/",
"setterMethodName": "setVpcIds",
"setterModel": {
  "variableDeclarationType": "$com.amazonaws.internal.SdkInternalList<String>$",
  "map": false,
  "mapModel": null,
  "name": "VpcIds",
  "setterDocumentation": "/**<p>One or more VPC IDs.</p> <p>Default: Describes all your VPCs.</p> <p>@param vpcIds One or more VPC IDs.</p> <p>Default: Describes all your VPCs.</p>*/
}"}}
"variableName" : "vpcIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "*/<p>One or more VPC IDs.</p> <p>Default: Describes all your VPCs.</p><br>NOTE: This method appends the values to the existing list (if any). Use [@link #setVpcIds(java.util.Collection)] or [@link #withVpcIds(java.util.Collection)] if you want to override the existing values.<br>@param vpcIds One or more VPC IDs.<br>Default: Describes all your VPCs.<br>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more VPC IDs.</p> <p>Default: Describes all your VPCs.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeVpcsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVpcsRequest",
  "variableName" : "describeVpcsRequest",
  "variableType" : "DescribeVpcsRequest",
  "documentation" : null,
  "simpleType" : "DescribeVpcsRequest",
  "variableSetterType" : "DescribeVpcsRequest",
  "wrapper" : false
},
"DescribeVpcsResult" : {
  "c2jName" : "DescribeVpcsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpcs.</p>"
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Vpc",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
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"map" : false,
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"variableSetterType" : "Vpc"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "Vpc"
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  "variableName" : "vpcs",
  "variableType" : "java.util.List<Vpc>",
  "documentation" : "",
  "simpleType" : "List<Vpc>",
  "variableSetterType" : "java.util.Collection<Vpc>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more VPCs.</p>
@param vpcs Information about one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "vpcs",
  "variableType" : "java.util.List<Vpc>",
  "documentation" : "<p>Information about one or more VPCs.</p>",
  "simpleType" : "List<Vpc>",
  "variableSetterType" : "java.util.Collection<Vpc>"
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@param vpcs Information about one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**<p>Information about one or more VPCs.</p>
@return Information about one or more VPCs.*/",
    "getterMethodName": "getVpcs",
    "getterModel": {
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      "documentation": null
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
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      "isPayload": false,
      "isStreaming": false,
      "location": null,
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      "unmarshallLocationName": "vpcSet",
      "uri": false
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      "interfaceType": "java.util.List",
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        "c2jShape": "Vpc",
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        "documentation": "",
        "enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withMember",
        "getterDocumentation": "/**\n@return */",
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        "getterModel": {
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          "documentation": null
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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"setterDocumentation" : "/**
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"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
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  "simpleType" : "Vpc",
  "variableSetterType" : "Vpc"
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"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "Vpc",
  "documentation" : "",
  "simpleType" : "Vpc",
  "variableSetterType" : "Vpc"
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"memberType" : "Vpc",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<Vpc>",
"map" : false,
"mapModel" : null,
"name" : "Vpcs",
"setterDocumentation" : "/**<p>Information about one or more VPCs.</p>
@param vpcs Information about one or more VPCs.*/",
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"setterModel" : {
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"variableName" : "vpcs",
"variableType" : "java.util.List<Vpc>",
"documentation" : "",
"simpleType" : "List<Vpc>",
"variableSetterType" : "java.util.Collection<Vpc>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more VPCs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcs(java.util.Collection)} or {@link #withVpcs(java.util.Collection)} if you want to override the existing values.</p>
@param vpcs Information about one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "Information about one or more VPCs.<p>
"simpleType" : "List<Vpc>",
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  "variableType" : "DescribeVpcsResult",
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  "simpleType" : "DescribeVpcsResult",
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"wrapper" : false
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVpnConnections.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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  "members" : [
    "c2jName" : "VpnConnectionIds",
    "c2jShape" : "VpnConnectionIdStringList",
    "deprecated" : false,
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connections.</p>",
    "enumType" : null,
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VPN connections.</p>
    "@param vpnConnectionIds One or more VPN connection IDs.</p> Default: Describes your VPN
connections.</p>
    "@return Returns a reference to this object so that method calls can be chained together.*/",
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    "fluentSetterType" : "VpnConnectionIds"
  ]
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<p>Default: Describes your VPN connections.</p>\n@returns One or more VPN connection IDs.</p>
*/",
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"header" : false,
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "VpnConnectionId",
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"c2jShape" : "String",
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"getterDocumentation" : "/**\n@returns */",
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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@param member */",
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"variableType" : "String",
"documentation" : "",
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"sendEmptyQueryString" : false,
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"templateType": "java.util.List<String>",

"map": false,
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"name": "VpnConnectionIds",
"setterDocumentation": "/**<p>One or more VPN connection IDs.</p> 
Default: Describes your VPN connections.</p>

@param vpnConnectionIds One or more VPN connection IDs.
Default: Describes your VPN connections.
*/

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    "variableName": "vpnConnectionIds",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>",
},
"simple": false,

"varargSetterDocumentation": "*/

@param vpnConnectionIds One or more VPN connection IDs.
Default: Describes your VPN connections.

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable": {
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    "variableName": "vpnConnectionIds",
    "variableType": "java.util.List<String>",
    "documentation": "One or more VPN connection IDs.
Default: Describes your VPN connections.
",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>",
},
"xmlnsNameSpaceUri": null
},
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,

"documentation": "One or more filters." <ul> <li> <p> <code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</p> 
</li> <li> <p> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</p> 
</li> <li> <p> <code>state</code> - The state of the VPN connection (pending | available | deleting | deleted). The destination CIDR block for the destination CIDR block. This corresponds to the subnet used in a customer data center. <p> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.</p> 
</li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The
key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag:Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter <code>tag:Purpose=X</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag:Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag:Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.

- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code> - The ID of the VPN connection. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter <code>tag:Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.
value='X1', you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>/<i>value</i> filter. If you want to list only resources where Purpose is X and the tag value is X, see the <code>tag</code>:<i>key</i>/X filter.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.

- The ID of the VPN connection.

- The ID of a virtual private gateway associated with the VPN connection.

- The ID of a customer gateway associated with the VPN connection.

- Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).

- The destination CIDR block. This corresponds to the subnet used in a customer data center.

- The BGP Autonomous System Number (ASN) associated with a BGP device.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).

- Indicates whether the connection is terminated. This corresponds to the subnet used in a customer data center.

- The BGP Autonomous System Number (ASN) associated with a BGP device.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.

- The ID of the VPN connection.

- The ID of a virtual private gateway associated with the VPN connection.

- The configuration information for the customer gateway.

- The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).

- The destination CIDR block. This corresponds to the subnet used in a customer data center.

- The BGP Autonomous System Number (ASN) associated with a BGP device.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X" you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>/<i>value</i> filter.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
<code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</li> <li> <p> <code>vpn-connection-id</code> - The ID of the VPN connection.</p> <li> <p> <code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.</p> */

```
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"getterModel" : {
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  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**",
    "getterMethodName" : "getMember",
    "getterModel" : {
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"unmarshallLocationName" : "Filter",
"uri" : false}
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"list" : false,
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"name" : "Member",
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQuerystring" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
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"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "*/" One or more filters." <ul> <li> <p>"customer-gateway-configuration"</p> - The configuration information for the customer gateway. </li> <li> <p>"customer-gateway-id"</p> - The ID of a customer gateway associated with the VPN connection. </li> <li> <p>"state"</p> - The state of the VPN connection ("pending" | </li> <li> <p>"available"</p> | | "deleting" | | "deleted" ).</li> <li> <p>"option.static-routes-only"</p> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP). </li> <li> <p>"route.destination-cidr-block"</p> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <p>"bgp-asn"</p> - The BGP Autonomous System Number (ASN) associated with a BGP device. </li> <li> <p>"tag"</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value. </li> <li> <p>"tag-key"</p> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the "tag:tag". </li> <li> <p>"route.destination-cidr-block"</p> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <p>"bgp-asn"</p> - The BGP Autonomous System Number (ASN) associated with a BGP device. </li> <li> <p>"tag"</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value. </li> <li> <p>"tag-key"</p> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the "tag:tag". </li> <li> <p>"route.destination-cidr-block"</p> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <p>"bgp-asn"</p> - The BGP Autonomous System Number (ASN) associated with a BGP device. </li> <li> <p>"tag"</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value. </li> <li> <p>"tag-key"</p> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the "tag:tag". </li> <li> <p>"route.destination-cidr-block"</p> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <p>"bgp-asn"</p> - The BGP Autonomous System Number (ASN) associated with a BGP device. </li> <li> <p>"tag"</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value. </li> <li> <p>"tag-key"</p> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the "tag:tag". </li> <li> <p>"route.destination-cidr-block"</p> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <p>"bgp-asn"</p> - The BGP Autonomous System Number (ASN) associated with a BGP device. </li> <li> <p>"tag"</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value. </li> <li> <p>"tag-key"</p> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the "tag:tag". </li> <li> <p>"route.destination-cidr-block"</p> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <p>"bgp-asn"</p> - The BGP Autonomous System Number (ASN) associated with a BGP device. </li> <li> <p>"tag"</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value. </li> <li> <p>"tag-key"</p> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the "tag:tag". "ipsec.1"</p> - The type of VPN connection. Currently the only supported type is
setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>customer-gateway-configuration</code> - The configuration information for the customer gateway. </p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection. </p> </li> <li> <p> <code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). </p> </li> <li> <p> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP). </p> </li> <li> <p> <code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center. </p> </li> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=Purpose", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>. </p> </li> <li> <p> <code>vpn-connection-id</code> - The ID of the VPN connection. </p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection. </p> </li> <li> <p> <code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center. </p> </li> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. </p> </li> <li> <p> <code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>. </p> </li> <li> <p> <code>vpn-connection-id</code> - The ID of the VPN connection. </p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection. </p> </li> <li> <p> <code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center. </p> </li> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the
<code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <p>\li> <i>{}:</i> <p>\li> <i>{}:</i><p>\li> <i>{}:</i> <p>\li> <i>{}:</i><p>\li> \li>@<i>returns</i> Returns a reference to this object so that method calls can be chained together. */

```
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</p> </li> <li> <i>{}:</i><p>\li> <i>{}:</i><p>\li> <i>{}:</i> <p>\li> <i>{}:</i> 
    \li> <i>{}:</i> <p>\li> \li>@returns</i> Returns a reference to this object so that method calls can be chained together. */

```

```
\li> <i>{}:</i> <p>\li> <i>{}:</i><p>\li> <i>{}:</i> <p>\li> <i>{}:</i> <p>\li> <i>{}:</i>
```
<p>The state of the VPN connection (pending | available | deleting | deleted).
</p>
<li><p>state - The state of the VPN connection (pending | available | deleting | deleted).
</p></li>
<li><p>route.destination-cidr-block - The destination CIDR block. This corresponds to the subnet used in a customer data center.
</p></li>
<li><p>bgp-asn - The BGP Autonomous System Number (ASN) associated with a BGP device.
</p></li>
<li><p>static-routes-only - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).
</p></li>
<li><p>tag - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.
</p></li>
<li><p>static-routes-only - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).
</p></li>
<li><p>route.destination-cidr-block - The destination CIDR block. This corresponds to the subnet used in a customer data center.
</p></li>
<li><p>bgp-asn - The BGP Autonomous System Number (ASN) associated with a BGP device.
</p></li>
<li><p>tag - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.
</p></li>
<li><p>static-routes-only - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).
</p></li>
- The destination CIDR block. This corresponds to the subnet used in a customer data center.

- The BGP Autonomous System Number (ASN) associated with a BGP device.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is).

- The type of VPN connection. Currently the only supported type is

- One or more filters.

- The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). Returns a reference to this object so that method calls can be chained together.
The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag-key` filter.

The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter.

The type of VPN connection. Currently the only supported type is `ipsec`. The ID of the VPN connection. The ID of a virtual private gateway associated with the VPN connection.
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImpleType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p>
<ul>
<li>
<p>
<code>customer-gateway-configuration</code> - The configuration information for the customer gateway.
</p>
</li> <li>
<p>
<code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.
</p>
</li> <li>
<p>
<code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.
</p>
</li> <li>
<p>
<code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).<p></p>
</p>
</li> <li>
<p>
<code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).
</p>
</li> <li>
<p>
<code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center.
</p>
</li> <li>
<p>
<code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.
</p>
</li> <li>
<p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag <code>Purpose</code>=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
</p>
</li> <li>
<p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>\tag-key=Purpose\</code> and the filter <code>\tag-value=X\</code>, you get any resources assigned both the tag key <code>Purpose</code> (regardless of what the tag's value is), and the tag value <code>X</code> (regardless of what the tag's key is). If you want to list only resources where Purpose is <code>X</code>, see the filter <code>tag:Purpose</code>=<code>X</code>.
</p>
</li> <li>
<p>
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<p></p>
</p>
</li> <li>
<p>
<code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.
</p>
</li> <li>
<p>
<code>vpn-connection-id</code> - The ID of the VPN connection.
</p>
</li> <li>
<p>
<code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.
</p>
</li> <li>
<p>
<code>customer-gateway-configuration</code> - The configuration information for the customer gateway.
</p>
</li> <li>
<p>
<code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).
</p>
</li> <li>
<p>
<code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center.
</p>
</li> <li>
<p>
<code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.
</p>
</li> <li>
<p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag <code>Purpose</code>=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
</p>
</li> <li>
<p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the
filter. For example, if you use both the filter `\tag-key=Purpose` and the filter `\tag-value=X` , you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `\tag-key=Purpose` filter. This filter is independent of the `\tag-value` filter. - The value of a tag assigned to the resource. This filter is independent of the `\tag-key` filter. For example, if you use both the filter `\tag-key=Purpose` and the filter `\tag-value=X` , you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `\tag-key` filter. - The type of VPN connection. Currently the only supported type is `\ipsec.1` . - The ID of the VPN connection. - The ID of a virtual private gateway associated with the VPN connection. - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP). - The state of the VPN connection ( `\pending` | `\available` | `\deleting` | `\deleted` ). - The destination CIDR block. This corresponds to the subnet used in a customer data center. - The BGP Autonomous System Number (ASN) associated with a BGP device. - The type of VPN connection. Currently the only supported type is `\ipsec.1` . - The ID of the VPN connection. - The ID of a virtual private gateway associated with the VPN connection. This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values. NOTE: This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values. One or more filters. - The configuration information for the customer gateway. - The ID of a customer gateway associated with the VPN connection. - The ID of a customer gateway associated with the VPN connection. - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP). - The state of the VPN connection ( `\pending` | `\available` | `\deleting` | `\deleted` ). - The type of VPN connection. Currently the only supported type is `\ipsec.1` . - The ID of the VPN connection. - The ID of a virtual private gateway associated with the VPN connection. - The configuration information for the customer gateway.
that do not support Border Gateway Protocol (BGP).<p><li> <code>route.destination-cidr-block</code>- The destination CIDR block. This corresponds to the subnet used in a customer data center.</p></li> <li> <code>bgp-asn</code>- The BGP Autonomous System Number (ASN) associated with a BGP device.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i>- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code>- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code>- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <code>type</code>- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</li> <li> <code>customer-gateway-configuration</code>- The configuration information for the customer gateway.</li> <li> <code>customer-gateway-id</code>- The ID of a customer gateway associated with the VPN connection.</li> <li> <code>state</code>- The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</li> <li> <code>option.static-routes-only</code>- Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</li> <li> <code>route.destination-cidr-block</code>- The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <code>bgp-asn</code>- The BGP Autonomous System Number (ASN) associated with a BGP device.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i>- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code>- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code>- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <code>type</code>- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</li> <li> <code>connection-id</code>- The ID of a virtual private gateway associated with the VPN connection.</li> 

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> <code>customer-gateway-configuration</code>- The configuration information for the customer gateway.</li> <li> <code>customer-gateway-id</code>- The ID of a customer gateway associated with the VPN connection.</li> <li> <code>state</code>- The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</li> <li> <code>option.static-routes-only</code>- Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</li> <li> <code>route.destination-cidr-block</code>- The destination CIDR block. This corresponds to the subnet used in a customer data center.</li> <li> <code>bgp-asn</code>- The BGP Autonomous System Number (ASN) associated with a BGP device.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i>- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code>- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code>- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <code>type</code>- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</li> 

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"VpnConnectionIds" : 

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"c2jName" : "VpnConnectionIds",
"c2jShape" : "VpnConnectionIdStringList",
"deprecated" : false,
"documentation" : "One or more VPN connection IDs. Default: Describes your VPN connections."
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more VPN connection IDs. Default: Describes your VPN connections.</p>
@param vpnConnectionIds One or more VPN connection IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnConnectionIds",
"getterDocumentation" : "/**<p>One or more VPN connection IDs. Default: Describes your VPN connections.</p>
@return One or more VPN connection IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getVpnConnectionIds",
"getterModel" : {
   "returnType" : "java.util.List<String>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "VpnConnectionId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "VpnConnectionId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**
@return */"}
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VpnConnectionId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VpnConnectionId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"memberLocationName" : "VpnConnectionId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"

"map" : false,
"mapModel" : null,
"name" : "VpnConnectionIds",
"setterDocumentation" : "/**<p>One or more VPN connection IDs.</p> <p>Default: Describes your VPN connections.</p>\n@param vpnConnectionIds One or more VPN connection IDs.</p> <p>Default: Describes your VPN connections.*/",
"setterMethodName" : "setVpnConnectionIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpnConnectionIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more VPN connection IDs.</p> <p>Default: Describes your VPN connections.</p>\n@param vpnConnectionIds One or more VPN connection IDs.</p> <p>Default: Describes your VPN connections.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpnConnectionIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more VPN connection IDs.</p> <p>Default: Describes your VPN connections.</p>\n
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpnConnectionsRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeVpnConnectionsRequest",
    "variableName" : "describeVpnConnectionsRequest",
    "variableType" : "DescribeVpnConnectionsRequest",
    "documentation" : null,
    "simpleType" : "DescribeVpnConnectionsRequest",
    "variableSetterType" : "DescribeVpnConnectionsRequest"
},
"wrapper" : false,
"DescribeVpnConnectionsResult" : {
    "c2jName" : "DescribeVpnConnectionsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeVpnConnections.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "VpnConnections",
        "c2jShape" : "VpnConnectionList",
        "deprecated" : false,
        "documentation" : "<p>Information about one or more VPN connections.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about one or more VPN connections.</p>
@param\nvpnConnections Information about one or more VPN connections.\n@return\nReturns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withVpnConnections",
        "getterDocumentation" : "/**<p>Information about one or more VPN connections.</p>
@return Information about one or more VPN connections.\n*/",
        "getterMethodName" : "getVpnConnections",
        "getterModel" : {
            "returnType" : "java.util.List<VpnConnection>",
            "documentation" : null
        }
    },
    ...
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpnConnection",
  "variableName" : "member",
  "variableType" : "VpnConnection",
  "documentation" : "",
  "simpleType" : "VpnConnection",
  "variableSetterType" : "VpnConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpnConnection",
  "variableName" : "member",
  "variableType" : "VpnConnection",
  "documentation" : "",
  "simpleType" : "VpnConnection",
  "variableSetterType" : "VpnConnection"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpnConnection",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpnConnection",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpnConnection>",
"templateType" : "java.util.List<VpnConnection>"
},
"map" : false,
"mapModel" : null,
"name" : "VpnConnections",
"setterDocumentation" : "/**\n<p>Information about one or more VPN connections.</p>\n@param vpncConnections Information about one or more VPN connections.*/"
"setterMethodName" : "setVpnConnections",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnConnection>",
  "variableName" : "vpnConnections",
  "variableType" : "java.util.List<VpnConnection>",
  "documentation" : "",
  "simpleType" : "List<VpnConnection>",
  "variableSetterType" : "java.util.Collection<VpnConnection>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more VPN connections.</p>
<p>NOTE: This method appends the values to the existing list (if any). Use [link #setVpnConnections(java.util.Collection)] or [link #withVpnConnections(java.util.Collection)] if you want to override the existing values.</p>
@param vpnConnections Information about one or more VPN connections.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnConnection>",
  "variableName" : "vpnConnections",
  "variableType" : "java.util.List<VpnConnection>",
  "documentation" : "p>Information about one or more VPN connections.
@param vpnConnections Information about one or more VPN connections.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about one or more VPN connections.</p>
@param vpnConnections Information about one or more VPN connections.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpnConnections",
  "getterDocumentation" : "/**<p>Information about one or more VPN connections.</p>
@return Information about one or more VPN connections.*/",
  "getterMethodName" : "getVpnConnections",
  "getterModel" : {
    "returnType" : "java.util.List<VpnConnection>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpnConnectionSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpnConnectionSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpnConnection",
"deprecated" : false,
"documentation" : "",
"enumType" : false,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getModel" : {
"returnType" : "VpnConnection",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "VpnConnection",
"variableName" : "member",
"variableType" : "VpnConnection",
"documentation" : "",
"simpleType" : "VpnConnection",
"variableSetterType" : "VpnConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VpnConnection",
"variableName" : "member",
"variableType" : "VpnConnection",
"documentation" : "",
"simpleType" : "VpnConnection",
"variableSetterType" : "VpnConnection"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpnConnection",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpnConnection",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpnConnection>",
"templateType" : "java.util.List<VpnConnection>"
},
"map" : false,
"mapModel" : null,
"name" : "VpnConnections",
"setterDocumentation" : "/**\p>Information about one or more VPN connections.*/",
"setterMethodName" : "setVpnConnections",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnConnection>",
"variableName" : "vpnConnections",
"variableType" : "java.util.List<VpnConnection>"
Information about one or more VPN connections. **NOTE:** This method appends the values to the existing list (if any). Use [setVpnConnections(java.util.Collection)](link) or [withVpnConnections(java.util.Collection)](link) if you want to override the existing values.

```java
@param vpnConnections Information about one or more VPN connections.
@return Returns a reference to this object so that method calls can be chained together.
```

```java
variable {
  variableDeclarationType: com.amazonaws.internal.SdkInternalList<VpnConnection>,
  variableName: vpnConnections,
  variableType: java.util.List<VpnConnection>,
  documentation: Information about one or more VPN connections.
}
```

```java
xmlNameSpaceUri: null
```

```java
requestSignerAware: false,
requestSignerClassFqn: null,
required: null,
shapeName: DescribeVpnConnectionsResult,
unmarshaller: {
  flattened: false,
  resultWrapper: null
}
```

```java
variable {
  variableDeclarationType: DescribeVpnConnectionsResult,
  variableName: describeVpnConnectionsResult
}
```

```java
wrapper: false
```

```java
DescribeVpnGatewaysRequest: {
  c2jName: DescribeVpnGatewaysRequest,
  customization: {
    artificialResultWrapper: null,
    skipGeneratingMarshaller: false,
    skipGeneratingModelClass: false,
    skipGeneratingUnmarshaller: false
  }
}
```

```java
deprecated: false,
```

```java
"documentation": ",
"simpleType": "List<VpnConnection>",
"variableSetterType": "java.util.Collection<VpnConnection>
",
"simple": false,
"varargSetterDocumentation": "

Information about one or more VPN connections. **NOTE:** This method appends the values to the existing list (if any). Use [setVpnConnections(java.util.Collection)](link) or [withVpnConnections(java.util.Collection)](link) if you want to override the existing values.

```java
@param vpnConnections Information about one or more VPN connections.
@return Returns a reference to this object so that method calls can be chained together.
```

```java
variable {
  variableDeclarationType: com.amazonaws.internal.SdkInternalList<VpnConnection>,
  variableName: vpnConnections,
  variableType: java.util.List<VpnConnection>,
  documentation: Information about one or more VPN connections.
}
```

```java
xmlNameSpaceUri: null
```

```java
requestSignerAware: false,
requestSignerClassFqn: null,
required: null,
shapeName: DescribeVpnConnectionsResult,
unmarshaller: {
  flattened: false,
  resultWrapper: null
}
```

```java
variable {
  variableDeclarationType: DescribeVpnConnectionsResult,
  variableName: describeVpnConnectionsResult
}
```

```java
wrapper: false
```

```java
DescribeVpnGatewaysRequest: {
  c2jName: DescribeVpnGatewaysRequest,
  customization: {
    artificialResultWrapper: null,
    skipGeneratingMarshaller: false,
    skipGeneratingModelClass: false,
    skipGeneratingUnmarshaller: false
  }
}
```

```java
deprecated: false,
```
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpnGatewayId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpnGatewayId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpnGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpnGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
}

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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "VpnGatewayId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String"
},
"map": false,
"mapModel": null,
"name": "VpnGatewayIds",
"setterDocumentation": "/**
<p>One or more virtual private gateway IDs.\n<p>Default: Describes all your virtual private gateways.\n<p><b>NOTE:</b> This method appends the values to the existing list (if any).",
"setterMethodName": "setVpnGatewayIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "vpnGatewayIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>One or more virtual private gateway IDs.\n<p>Default: Describes all your virtual private gateways.\n<p><b>NOTE:</b> This method appends the values to the existing list (if any)."}
Use {@link #setVpnGatewayIds(java.util.Collection)} or {@link #withVpnGatewayIds(java.util.Collection)} if you want to override the existing values. &lt;p&gt;\n@param vpnGatewayIds One or more virtual private gateway IDs.&lt;/p&gt;
&lt;p&gt;Default: Describes all your virtual private gateways.&lt;/p&gt;
@returns Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;

```
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;String&gt;",
        "variableName" : "vpnGatewayIds",
        "variableType" : "java.util.List&lt;String&gt;",
        "documentation" : "&lt;p&gt;One or more virtual private gateway IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your virtual private gateways.&lt;/p&gt;",
        "simpleType" : "List&lt;String&gt;",
        "variableSetterType" : "java.util.Collection&lt;String&gt;"
    },
    "xmlNameSpaceUri" : null
}, {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;attachment.state&lt;/code&gt; - The current state of the attachment between the gateway and the VPC &lt;code&gt;attaching&lt;/code&gt; | &lt;code&gt;attached&lt;/code&gt; | &lt;code&gt;detaching&lt;/code&gt; | &lt;code&gt;detached&lt;/code&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;attachment.vpc-id&lt;/code&gt; - The ID of an attached VPC.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;availability-zone&lt;/code&gt; - The Availability Zone for the virtual private gateway (if applicable).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the virtual private gateway &lt;code&gt;pending&lt;/code&gt; | &lt;code&gt;available&lt;/code&gt; | &lt;code&gt;deleting&lt;/code&gt; | &lt;code&gt;deleted&lt;/code&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag&lt;/code&gt;::&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter "\tag-key=Purpose" and the filter "\tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;::&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;type&lt;/code&gt; - The type of virtual private gateway. Currently the only supported type is &lt;code&gt;ipsec.1&lt;/code&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;vpn-gateway-id&lt;/code&gt; - The ID of the virtual private gateway.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt;

    "enumType" : null,
    "fluentSetterDocumentation" : "/**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;attachment.state&lt;/code&gt; - The current state of the attachment between the gateway and the VPC &lt;code&gt;attaching&lt;/code&gt; | &lt;code&gt;attached&lt;/code&gt; | &lt;code&gt;detaching&lt;/code&gt; | &lt;code&gt;detached&lt;/code&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;attachment.vpc-id&lt;/code&gt; - The ID of an attached VPC.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;availability-zone&lt;/code&gt; - The Availability Zone for the virtual private gateway (if applicable).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the virtual private gateway &lt;code&gt;pending&lt;/code&gt; | &lt;code&gt;available&lt;/code&gt; | &lt;code&gt;deleting&lt;/code&gt; | &lt;code&gt;deleted&lt;/code&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag&lt;/code&gt;::&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter
"tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

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If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 

If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
state of the virtual private gateway (<code>pending</code>) | <code>available</code>) | <code>deleting</code>) | <code>deleted</code>).</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=\textit{X}, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key\"=\textit{Purpose}\" and the filter \"tag-value\"=\textit{X}\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:\textit{key}=\textit{value} filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li>*/

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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
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"unmarshallLocationName" : "Filter",
"uri" : false
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"deprecated" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**\n@return */",}
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  "documentation" : null
},

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  "uri" : false
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"idempotencyToken" : false,
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  "documentation" : "",
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  "variableSetterType" : "Filter"
},

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"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",

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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},

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"memberType" : "Filter",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : /*<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC ("attaching","detaching","attached","detached").</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> </li> <li> <p> <code>state</code> - The state of the virtual private gateway ("pending","available","deleting","deleted").</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Name, specify <code>tag:Name</code> for the filter name and <code>Name</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Name" and the filter "tag-value=Value", you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Name" and the filter "tag-value=Value", you get any resources assigned both the tag value Name (regardless of what the tag's key is), and the tag key X (regardless of what the tag's value is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is "ipsec.1".</p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li> </ul>
@param filters One or more filters.*/

The current state of the attachment between the gateway and the VPC ("attaching","detaching","attached","detached"). The ID of an attached VPC. The Availability Zone for the virtual private gateway (if applicable). The state of the virtual private gateway ("pending","available","deleting","deleted"). The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Name, specify <code>tag:Name</code> for the filter name and <code>Name</code> for the filter value. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Name" and the filter "tag-value=Value", you get any resources assigned both the tag value Name (regardless of what the tag's key is), and the tag key X (regardless of what the tag's value is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
tag assigned to the resource. This filter is independent of the tag-key filter.

- The type of virtual private gateway. Currently the only supported type is ipsec.1.
- The ID of the virtual private gateway.

This filter is independent of the tag-key filter.

The current state of the attachment between the gateway and the VPC (attaching | detaching | detached).
- The ID of an attached VPC.
- The Availability Zone for the virtual private gateway (if applicable).
- The state of the virtual private gateway (pending | available | deleting | deleted).
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter "tag:Purpose=X".

The value of a tag assigned to the resource. This filter is independent of the tag-key filter.

The type of virtual private gateway. Currently the only supported type is ipsec.1.
- The ID of the virtual private gateway.

This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.

The current state of the attachment between the gateway and the VPC (attaching | attaching | detaching | detached).
- The ID of an attached VPC.
- The Availability Zone for the virtual private gateway (if applicable).
- The state of the virtual private gateway (pending | available | deleting | deleted).
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

The value of a tag assigned to the resource. This filter is independent of the tag-key filter.

The type of virtual private gateway. Currently the only supported type is ipsec.1.
- The ID of the virtual private gateway.

This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.

One or more filters.

The current state of the attachment between the gateway and the VPC (attaching | attaching | detaching | detached).
- The ID of an attached VPC.
- The Availability Zone for the virtual private gateway (if applicable).
- The state of the virtual private gateway (pending | available | deleting | deleted).
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.

The value of a tag assigned to the resource. This filter is independent of the tag-key filter.

The type of virtual private gateway. Currently the only supported type is ipsec.1.
- The ID of the virtual private gateway.
key</code> filter.</p> </li> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li> 

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tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
\<code>tag</code>:\<i>key</i>=\<i>value</i> filter.\</p> \<li> \<i>value</i> \<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the \<code>tag-key</code> filter.\</p> \<li> \<i>value</i> \<code>type</code> - The type of virtual private gateway. Currently the only supported type is
\<code>ipsec.1</code>.\</p> \<li> \<code>vpn-gateway-id</code> - The ID of the virtual private gateway.\</p> \<li> \<ul">

"enumType" : null,

"fluentSetterDocumentation" : "/**\<p>One or more filters.\</p> \<ul> \<li> \<i>key</i>=\<i>value</i> filter.\</p> \<li> \<i>value</i> \<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the \<code>tag-key</code> filter.\</p> \<li> \<i>value</i> \<code>type</code> - The type of virtual private gateway. Currently the only supported type is
\<code>ipsec.1</code>.\</p> \<li> \<code>vpn-gateway-id</code> - The ID of the virtual private gateway.\</p> \<li> \<ul">

"enumType" : null,

"fluentSetterDocumentation" : "/**\<p>One or more filters.\</p> \<ul> \<li> \<i>key</i>=\<i>value</i> filter.\</p> \<li> \<i>value</i> \<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the \<code>tag-key</code> filter.\</p> \<li> \<i>value</i> \<code>type</code> - The type of virtual private gateway. Currently the only supported type is
\<code>ipsec.1</code>.\</p> \<li> \<code>vpn-gateway-id</code> - The ID of the virtual private gateway.\</p> \<li> \<ul>

"enumType" : null,

"fluentSetterDocumentation" : "/**\<p>One or more filters.\</p> \<ul> \<li> \<i>key</i>=\<i>value</i> filter.\</p> \<li> \<i>value</i> \<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the \<code>tag-key</code> filter.\</p> \<li> \<i>value</i> \<code>type</code> - The type of virtual private gateway. Currently the only supported type is
\<code>ipsec.1</code>.\</p> \<li> \<code>vpn-gateway-id</code> - The ID of the virtual private gateway.\</p> \<li> \<ul>

"enumType" : null,

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\<code>ipsec.1</code>.\</p> \<li> \<code>vpn-gateway-id</code> - The ID of the virtual private gateway.\</p> \<li> \<ul>

"enumType" : null,

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\<code>ipsec.1</code>.\</p> \<li> \<code>vpn-gateway-id</code> - The ID of the virtual private gateway.\</p> \<li> \<ul>

"enumType" : null,

"fluentSetterDocumentation" : "/**\<p>One or more filters.\</p> \<ul> \<li> \<i>key</i>=\<i>value</i> filter.\</p> \<li> \<i>value</i> \<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the \<code>tag-key</code> filter.\</p> \<li> \<i>value</i> \<code>type</code> - The type of virtual private gateway. Currently the only supported type is
\<code>ipsec.1</code>.\</p> \<li> \<code>vpn-gateway-id</code> - The ID of the virtual private gateway.\</p> \<li> \<ul>
- The Availability Zone for the virtual private gateway (if applicable).<p>  
</li> <li> <p> <code>state</code> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).<p>  
</li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p>  
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter.<p>  
</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<p>  
</li> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.<p>  
</li> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.<p>  
</li>*/

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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
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"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
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"memberType" : "Filter",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> 
<ul>
<li> 
<p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code>,<code>attached</code>)
</p> 
</li>
<li> 
<p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> 
</li>
<li> 
<p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> 
</li>
<li> 
<p> <code>state</code> - The state of the virtual private gateway (<code>pending</code>,<code>available</code>,<code>deleting</code>,<code>deleted</code>) - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\"tag-key=Purpose\" and the filter "\"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.</p> 
</li>
<li> 
<p> sendsEmptyQueryStrings" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> 
<ul>
<li> 
<p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code>,<code>attached</code>) - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\"tag-key=Purpose\" and the filter "\"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.
</p> 
</li>
<li> 
<p> sendsEmptyQueryStrings" : false,
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"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> 
<ul>
<li> 
<p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code>,<code>attached</code>)
</p> 
</li>
<li> 
<p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> 
</li>
<li> 
<p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> 
</li>
<li> 
<p> <code>state</code> - The state of the virtual private gateway (<code>pending</code>,<code>available</code>,<code>deleting</code>,<code>deleted</code>) - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\"tag-key=Purpose\" and the filter "\"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.
</p> 
</li>
<li> 
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"templateType" : "java.util.List<Filter>
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"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> 
<ul>
<li> 
<p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code>,<code>attached</code>)
</p> 
</li>
<li> 
<p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> 
</li>
<li> 
<p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).
</p> 
</li>
<li> 
<p> <code>state</code> - The state of the virtual private gateway (<code>pending</code>,<code>available</code>,<code>deleting</code>,<code>deleted</code>) - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\"tag-key=Purpose\" and the filter "\"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.
</p> 
</li>
<li> 
<p> sendEmptyQueryString" : false,
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 

<code>attachment.state</code> - The current state of the attachment between the gateway and the VPC.

<code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).

<code>state</code> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter.

<code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.
<code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.<p> </li> <li> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li> <liJUnit><b>NOTE:</b> This method appends the values to the existing list (if any). Use [{@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p> </li> <li>@param filters One or more filters.</p> </li> <li><code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). The availability zone for the virtual private gateway (if applicable). The ID of the virtual private gateway (if pending) | <code>available</code> | <code>deleting</code> | <code>deleted</code>). The value of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li><code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li><code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> </li> <li><code>tag</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li><code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> </li> <li><code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li> </ul>

@return Returns a reference to this object so that method calls can be chained together.*"},

"variable" : {
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    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters."<p> </li> <li><code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). The availability zone for the virtual private gateway (if applicable). The ID of the virtual private gateway (if pending) | <code>available</code> | <code>deleting</code> | <code>deleted</code>). The value of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li><code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li><code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> </li> <li><code>tag</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li><code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> </li> <li><code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li> </ul>
"xmlNameSpaceUri" : null,
"VpnGatewayIds" : {
"c2jName" : "VpnGatewayIds",
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"deprecated" : false,
"documentation" : "\p>One or more virtual private gateway IDs. \p>Default: Describes all your virtual private gateways.\p>\p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>One or more virtual private gateway IDs.\p>\p>Default: Describes all your virtual private gateways.\p>@\p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**\p>One or more virtual private gateway IDs.\p>\p>Default: Describes all your virtual private gateways.\p>@\p>\n@return One or more virtual private gateway IDs.\p>\p>Default: Describes all your virtual private gateways.*/",
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"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpnGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : "",
"f...
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"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VpnGatewayId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
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"templateType" : "java.util.List<String>"
}
},
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayIds",
"setterDocumentation" : "/**<p>One or more virtual private gateway IDs.</p> <p>Default: Describes all your virtual private gateways.</p>
@param vpnGatewayIds One or more virtual private gateway IDs.</p> <p>Default: Describes all your virtual private gateways.</p> */",
"setterMethodName" : "setVpnGatewayIds",
"setterModel" : {
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"variableName" : "vpnGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more virtual private gateway IDs.</p> <p>Default: Describes all your virtual private gateways.</p> \n@param vpnGatewayIds One or more virtual private gateway IDs.</p> <p>Default: Describes all your virtual private gateways.</p>
@return Returns a reference to this object so that method calls can be chained together."/",
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"variableName" : "vpnGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more virtual private gateway IDs.
Default: Describes all your virtual private gateways."/"}
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},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
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"shapeName" : "DescribeVpnGatewaysRequest",
"unmarshaller" : null,
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"variableName" : "describeVpnGatewaysRequest",
"variableType" : "DescribeVpnGatewaysRequest",
"documentation" : null,
"simpleType" : "DescribeVpnGatewaysRequest",
"variableSetterType" : "DescribeVpnGatewaysRequest"
},
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},
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  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpnGateways.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
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  "marshaller" : null,
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    "c2jShape" : "VpnGatewayList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more virtual private gateways.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more virtual private gateways.</p>\
   \n   @param vpnGateways Information about one or more virtual private gateways.</param>\
   \n   @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpnGateways",
    "getterDocumentation" : "/**<p>Information about one or more virtual private gateways.</p>\
   \n   @return Information about one or more virtual private gateways.*/",
    "getterMethodName" : "getVpnGateways",
],
"getterModel" : {
  "returnType" : "java.util.List<VpnGateway>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpnGatewaySet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "VpnGateway",
    "deprecated" : false,
    "documentation" : 
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member *
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return *
     */",
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    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
}
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "VpnGateway",
  "documentation" : "",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "VpnGateway",
  "documentation" : "",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpnGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpnGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpnGateway>",
"templateType" : "java.util.List<VpnGateway>"
"mapModel" : null,
"name" : "VpnGateways",
"setterDocumentation" : "/**<p>Information about one or more virtual private gateways.</p>
@param vpnGateways Information about one or more virtual private gateways.*/",
"setterMethodName" : "setVpnGateways",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnGateway>",
"variableName" : "vpnGateways",
"variableType" : "java.util.List<VpnGateway>",
"documentation" : "",
"simpleType" : "List<VpnGateway>",
"variableSetterType" : "java.util.Collection<VpnGateway>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more virtual private gateways.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVpnGateways(java.util.Collection)} or { @link #withVpnGateways(java.util.Collection)} if you want to override the existing values.</p>
@param vpnGateways Information about one or more virtual private gateways.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "vpnGateways",
"variableType" : "java.util.List<VpnGateway>",
"documentation" : "Information about one or more virtual private gateways."
"simpleType" : "List<VpnGateway>",
"variableSetterType" : "java.util.Collection<VpnGateway>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"VpnGateways" : {
"c2jName" : "VpnGateways",
"c2jShape" : "VpnGatewayList",
"deprecated" : false,
"documentation" : "Information about one or more virtual private gateways."
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more virtual private gateways.</p>
@param vpnGateways Information about one or more virtual private gateways.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnGateways",
"getterDocumentation" : "/**<p>Information about one or more virtual private gateways.</p>
@return Information about one or more virtual private gateways.*/",
"getterMethodName" : "getVpnGateways",
"getterModel" : {
"returnType" : "java.util.List<VpnGateway>",
"documentation" : null
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"http" : {
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"header" : false,
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"isStreaming" : false,
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"uri" : false
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VpnGateway",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "VpnGateway",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
]
"idempotencyToken" : false,
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"mapModel" : null,
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"setterDocumentation" : "/**
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "VpnGateway",
  "documentation" : "",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
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"simple" : false,
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@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "VpnGateway",
  "documentation" : "",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
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"memberType" : "VpnGateway",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<VpnGateway>"
},
"map" : false,
"mapModel" : null,
"name" : "VpnGateways",
"setterDocumentation" : "/**\n<p>Information about one or more virtual private gateways.</p>
@param vpnGateways Information about one or more virtual private gateways.</p>
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setVpnGateways"
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnGateway>",
    "variableName" : "vpnGateways",
    "variableType" : "java.util.List<VpnGateway>",
    "documentation" : "",
    "simpleType" : "List<VpnGateway>",
    "variableSetterType" : "java.util.Collection<VpnGateway>",
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>Information about one or more virtual private
gateways.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVpnGateways(java.util.Collection)} or { @link #withVpnGateways(java.util.Collection)} if you want to override the existing values.</p>\n@param vpnGateways Information about one or more virtual private
gateways.\n@return Returns a reference to this object so that method calls can be chained together. */",
    "variable" : {
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        "variableName" : "vpnGateways",
        "variableType" : "java.util.List<VpnGateway>",
        "documentation" : "<p>Information about one or more virtual private
gateways.</p>
        "simpleType" : "List<VpnGateway>",
        "variableSetterType" : "java.util.Collection<VpnGateway>",
        "xmlNameSpaceUri" : null
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    "required" : null,
    "shapeName" : "DescribeVpnGatewaysResult",
    "unmarshaller" : {
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        "resultWrapper" : null
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        "variableName" : "describeVpnGatewaysResult",
        "variableType" : "DescribeVpnGatewaysResult",
        "documentation" : null,
        "simpleType" : "DescribeVpnGatewaysResult",
        "variableSetterType" : "DescribeVpnGatewaysResult"
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    "wrapper" : false
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"DetachClassicLinkVpcRequest" : {
    "c2jName" : "DetachClassicLinkVpcRequest",
    "customization" : {
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DetachClassicLinkVpc.</p>",
"enums" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {

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"xmlNameSpaceUri" : null
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"members" : [ {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance to unlink from the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance to unlink from the VPC.</p>
@param
@InstanceId The ID of the instance to unlink from the VPC.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance to unlink from the VPC.</p>
@return The ID of the instance to unlink from the VPC.*",
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"documentation" : null
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" uri" : false
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" listModel" : null,
" map" : false,
" mapModel" : null,
" name" : " InstanceId",
" setterDocumentation" : "/**<p> The ID of the instance to unlink from the VPC.</p>
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" setterMethodName" : " setInstanceId",
" setterModel" : {
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  " variableName" : " instanceId",
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  " documentation" : "",
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  " variableSetterType" : " String"
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" simple" : true,
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@return Returns a reference to this object so that method calls can be chained together. */",
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  " documentation" : "<p> The ID of the instance to unlink from the VPC. </p>",
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" c2jShape" : " String",
" deprecated" : false,
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" enumType" : null,
" fluentSetterDocumentation" : "/**<p> The ID of the VPC to which the instance is linked. </p>
@param vpcId The ID of the VPC to which the instance is linked. 
@return Returns a reference to this object so that method calls can be chained together. */",
" fluentSetterMethodName" : " withVpcId",
" getterDocumentation" : "/**<p> The ID of the VPC to which the instance is linked. </p>
@return The ID of the VPC to which the instance is linked. */",
" getterMethodName" : " getVpcId",
" getterModel" : {
  " returnType" : " String",

"documentation": null
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  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "statusCode": false,
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  "uri": false
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@param vpcId The ID of the VPC to which the instance is linked.*/",
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  "variableName": "vpcId",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The ID of the VPC to which the instance is linked.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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    "documentation": "<p>The ID of the instance to unlink from the VPC.</p>",
    "enumType": null,
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Returns a reference to this object so that
method calls can be chained together.*/",
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    "getterDocumentation": "/**<p>The ID of the instance to unlink from the VPC.</p>\n@return
The ID of the instance to unlink from the VPC.*/",
    "getterMethodName": "getInstanceId",
    "getterModel": {
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      "documentation": null
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      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "instanceId",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "InstanceId",
    "setterDocumentation": "/**<p>The ID of the instance to unlink from the VPC.</p>\n@param
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    "setterMethodName": "setInstanceId",
    "setterModel": {
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      "variableName": "instanceId",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String"}
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**The ID of the instance to unlink from the VPC.
@param instanceId The ID of the instance to unlink from the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
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  @param instanceId The ID of the instance to unlink from the VPC.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "variableSetterType" : "String"
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  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC to which the instance is linked.</p>
  @param vpcId The ID of the VPC to which the instance is linked.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "<p>The ID of the VPC to which the instance is linked.</p>
  @return The ID of the VPC to which the instance is linked. */",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n * The ID of the VPC to which the instance is linked.\n */",
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"setterModel" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/*\n * The ID of the VPC to which the instance is linked.\n */",

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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The ID of the VPC to which the instance is linked.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
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  "variableName" : "detachClassicLinkVpcRequest",
  "variableType" : "DetachClassicLinkVpcRequest",
  "documentation" : null,
  "simpleType" : "DetachClassicLinkVpcRequest",
  "variableSetterType" : "DetachClassicLinkVpcRequest"
},
"wrapper" : false
},

"DetachClassicLinkVpcResult" : {
"c2jName" : "DetachClassicLinkVpcResult",
"customization" : {
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  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DetachClassicLinkVpc.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p><p>\n@\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p><p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withReturn",
    "getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p><p>\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/",
    "getterMethodName" : "getReturn",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "return",
      "uri" : false
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  }
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"enums" : null,
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "return",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.<code>@return</code> Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean"}
"variableSetterType" : "Boolean",
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"xmlNameSpaceUri" : null
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  "resultWrapper" : null
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  "variableType" : "DetachClassicLinkVpcResult",
  "documentation" : null,
  "simpleType" : "DetachClassicLinkVpcResult",
  "variableSetterType" : "DetachClassicLinkVpcResult"
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"wrapper" : false
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"DetachInternetGatewayRequest" : {
  "c2jName" : "DetachInternetGatewayRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DetachInternetGateway.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : []
}
"c2jName" : "InternetGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInternetGatewayId",
"getterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@\n@return The ID of the Internet gateway.*/",
"getterMethodName" : "getInternetGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "internetGatewayId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayId",
"setterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@\n@param internetGatewayId The ID of the Internet gateway.*/",
"setterMethodName" : "setInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "internetGatewayId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@param internetGatewayId The ID of the Internet gateway.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/
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"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the VPC.</p><br/>
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@return Returns a reference to this object so that method calls can be chained together.*/
*/",
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@return The ID of the VPC.*/
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  "documentation": null
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  "queryString": false,
  "statusCode": false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**\n* The ID of the VPC.
* @param vpcId The ID of the VPC.
*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The ID of the VPC.
* @param vpcId The ID of the VPC.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "The ID of the VPC.
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "InternetGatewayId": {
    "c2jName": "InternetGatewayId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The ID of the Internet gateway.
",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* The ID of the Internet gateway.
* @param internetGatewayId The ID of the Internet gateway.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
    "fluentSetterMethodName": "withInternetGatewayId",
    "getterDocumentation": "/**\n* The ID of the Internet gateway.
* @return The ID of the Internet gateway.
*/",
    "getterMethodName": "getInternetGatewayId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
}
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InternetGatewayId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "internetGatewayId",
"uri": false,

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InternetGatewayId",

setterDocumentation": "/*\n\n**<p>The ID of the Internet gateway.</p>
\n@\n@param internetGatewayId The ID of the Internet gateway.*/",
setterMethodName": "setInternetGatewayId",
setterModel": {

\nvariableDeclarationType": "String",
\nvariableName": "internetGatewayId",
\nvariableType": "String",
\ndocumentation": "",
\nsimpleType": "String",
\nvariableSetterType": "String"

},

\nsimple": true,

varargSetterDocumentation": "/*\n\n**<p>The ID of the Internet gateway.</p>
\n@\n@param internetGatewayId The ID of the Internet gateway.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

\nvariable": {

\nvariableDeclarationType": "String",
\nvariableName": "internetGatewayId",
\nvariableType": "String",
\ndocumentation": "<p>The ID of the Internet gateway.</p>",
\nsimpleType": "String",
\nvariableSetterType": "String"

},

\nxmlNameSpaceUri": null

},

"VpcId": {

\nc2jName": "VpcId",
\nc2jShape": "String",
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\ndocumentation": "<p>The ID of the VPC.</p>",
\nenumType": null,

\nfluentSetterDocumentation": "/*\n\n**<p>The ID of the VPC.</p>
\n@\n@param vpcId The ID of the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

return


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"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@<p>return The ID of the VPC.</p>*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@<p>param vpcId The ID of the VPC.</p>*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@<p>param vpcId The ID of the VPC.</p>\n@<p>return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"variableName" : "detachInternetGatewayResult",
"variableType" : "DetachInternetGatewayResult",
"documentation" : null,
"simpleType" : "DetachInternetGatewayResult",
"variableSetterType" : "DetachInternetGatewayResult"
},
"wrapper" : false
},
"DetachNetworkInterfaceRequest" : {
"c2jName" : "DetachNetworkInterfaceRequest",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DetachNetworkInterface.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
    "action" : "DetachNetworkInterface",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [
    {
        "c2jName" : "AttachmentId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the attachment.</p>",
        "enumType" : null,
        "getterDocumentation" : "@return The ID of the attachment.
***
@param attachmentId The ID of the attachment.

@returns a reference to this object so that method calls can be chained together.
",
        "getterMethodName" : "getAttachmentId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "method" : "POST",
            "requestUri" : "/Attachments/\{attachmentId\}/networkInterfaces/\{attachmentId\}/detach",
            "target" : null,
            "verb" : "POST"
        }
    }
]
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachmentId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentId",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachmentId",
"setterDocumentation" : "/**<p>The ID of the attachment.</p>
@param attachmentId The ID of the attachment.*/",
"setterMethodName" : "setAttachmentId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the attachment.</p>
@param attachmentId The ID of the attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the attachment.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Force",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether to force a detachment.</p>"}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether to force a detachment.</p>
@param force Specifies whether to force a detachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withForce",
"getterDocumentation" : "/**<p>Specifies whether to force a detachment.</p>
@return Specifies whether to force a detachment.*/",
"getterMethodName" : "getForce",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Force",
"setterDocumentation" : "/**<p>Specifies whether to force a detachment.</p>
@param force Specifies whether to force a detachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setForce",
"setterModel" : {
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  "variableName" : "force",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether to force a detachment.</p>
@param force Specifies whether to force a detachment.
@return Returns a reference to this object so that method calls can be chained together.*/",}
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  "variableName" : "force",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether to force a detachment.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
},
"membersAsMap" : {
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    "c2jShape" : "String",
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    "documentation" : "<p>The ID of the attachment.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@param attachmentId The ID of the attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAttachmentId",
    "getterDocumentation" : "/*\n@return The ID of the attachment.*/",
    "getterMethodName" : "getAttachmentId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AttachmentId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "attachmentId",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AttachmentId",
    "setterDocumentation" : "/*\n@param attachmentId The ID of the attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/"
  }
}
attachment.*"},
    "setterMethodName" : "setAttachmentId",
    "setterModel" : {
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        "variableName" : "attachmentId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
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    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The ID of the attachment.</p><p>@param attachmentId The ID of the attachment.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "variable" : {
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        "variableName" : "attachmentId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the attachment.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"Force" : {
    "c2jName" : "Force",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Specifies whether to force a detachment.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Specifies whether to force a detachment.</p><p>@param force Specifies whether to force a detachment.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withForce",
    "getterDocumentation" : "/**<p>Specifies whether to force a detachment.</p><p>@return Specifies whether to force a detachment.</p>*/",
    "getterMethodName" : "getForce",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
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        "isPayload" : false,
        "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Force",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "force",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Force",
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"setterMethodName" : "setForce",
"setterModel" : {
   
   "variableDeclarationType" : "Boolean",
   "variableName" : "force",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Specifies whether to force a detachment.</p>\n@\n@param force Specifies whether to force a detachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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   "variableType" : "Boolean",
   "documentation" : "<p>Specifies whether to force a detachment.</p>",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "AttachmentId" ],
"shapeName" : "DetachNetworkInterfaceRequest",
"unmarshaller" : null,
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   "variableDeclarationType" : "DetachNetworkInterfaceRequest",
   "variableName" : "detachNetworkInterfaceRequest",
   "variableType" : "DetachNetworkInterfaceRequest",
   "variableSetterType" : "DetachNetworkInterfaceRequest",
}
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DetachVolume.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DetachVolume",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},

"members" : [
  {
    "c2jName" : "VolumeId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the volume.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>
@para volumeId The ID of the volume.</para>
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeId",
    "getterDocumentation" : "/**<p>The ID of the volume.</p>
@returns The ID of the volume.</returns>*/",
    "getterMethodName" : "getVolumeId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VolumeId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VolumeId",
      "uri" : false
    }
  }
]
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeId",
"setterDocumentation": "/**
 * The ID of the volume.
 * @param volumeId The ID of the volume.
 */",
"setterMethodName": "setVolumeId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The ID of the volume.
 * @param volumeId The ID of the volume.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable": {
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  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "The ID of the volume.
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "InstanceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the instance.
",
"enumType": null,
"fluentSetterDocumentation": "/**
 * The ID of the instance.
 * @param instanceId The ID of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "/**
 * The ID of the instance.
 * @return The ID of the instance.
 */",
"getterMethodName": "getInstanceId",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n@param instanceId The ID of the instance. */",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "The ID of the instance.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Device",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The device name.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param device The device name.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withDevice"
"getterDocumentation" : "/**<p>The device name.</p>
\n@return The device name.*/",
"getterMethodName" : "getDevice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Device",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Device",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Device",
"setterDocumentation" : "/**<p>The device name.</p>
\n@param device The device name.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDevice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name.</p>
\n@param device The device name.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simpleSetterType" : "String"
Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detach normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

@returns Returns a reference to this object so that method calls can be chained together.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detach normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detach normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.
"unmarshallLocationName": "Force",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Force",
"setterDocumentation": "/**
<p>Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.</p>
@param force Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**
<p>Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.</p>
@param force Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "Boolean",
},
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The device name.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The device name.</p>
@param device The device name.
@return
Returns a reference to this object so that method calls can be chained together.*/
",
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@return The device name.*/",
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      "documentation" : null
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@param device The device name.
@return
Returns a reference to this object so that method calls can be chained together.*/
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      "documentation" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.</p>
@param force Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.
@return Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.*/",
"fluentSetterMethodName" : "withForce",
"getterDocumentation" : "/**<p>Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.</p>
@return Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.*/",
"getterMethodName" : "getForce",
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}
/**
   * Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.*/

   @param force Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.*/

   @param force Forces detachment if the...
previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

```
\return

Returns a reference to this object so that method calls can be chained together.*/",

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  "fluentSetterDocumentation" : "*/**\param instanceId The ID of the instance.\n\return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "\return The ID of the instance.\n\return The ID of the instance.*/",
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    "unmarshallLocationName" : "InstanceId",
    "uri" : false
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param volumeId The ID of the
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"wrappedMemberSimpleType" : "VolumeAttachment"
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"enums" : null,
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@param attachment
Describes volume attachment details.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>Describes volume attachment details.</p>
@returns <p>Describes volume attachment details.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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@return Describes volume attachment details.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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volume attachment details.</p>*/",
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@param attachment Describes volume attachment details.</p>
@return Returns a reference to this object so that method calls can be
chained together.</p>*/",
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  "simpleType" : "VolumeAttachment",
  "variableSetterType" : "VolumeAttachment"
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    "c2jName" : "Attachment",
    "c2jShape" : "VolumeAttachment"} }];
Describes volume attachment details.

@return Returns a reference to this object so that method calls can be chained together.

```java

    "variable" : {
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    "hasStatusCodeMember" : false,
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  "map": false,
  "mapModel": null,
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  "documentation": "",
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* @param vpnGatewayId The ID of the virtual private gateway.
* @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType": "String",
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* @return Returns a reference to this object so that method calls can be chained together. */",
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* @return Returns a reference to this object so that method calls can be chained together. */",
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* @return The ID of the VPC.
* @return Returns a reference to this object so that method calls can be chained together. */",
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"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**\n@return The ID of the VPC.*/",
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"fluentSetterDocumentation" : "The ID of the virtual private gateway.
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@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "withVpnGatewayId",
"getterDocumentation" : "The ID of the virtual private gateway.
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"getterMethodName" : "getVpnGatewayId",
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The ID of the virtual private gateway.
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@return Returns a reference to this object so that method calls can be chained together."
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        "skipGeneratingUnmarshaller" : false
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    "documentation" : null,
    "enums" : null,
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    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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    "members" : null,
    "membersAsMap" : { },
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   "simpleType" : "DetachVpnGatewayResult",
   "variableSetterType" : "DetachVpnGatewayResult"
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      "value" : "instance-store"
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  "variableSetterType" : "DeviceType"
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      "enumType" : null,
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        "documentation" : null
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"list": false,
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@param key The name of a DHCP option.*\n*/",

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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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@param key The name of a DHCP option.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",

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@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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@return One or more values for the DHCP option.*/",
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      "documentation": null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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   "documentation" : "",
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   "variableSetterType" : "java.util.Collection<String>",

"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more values for the DHCP option.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setValues(java.util.Collection)} or { @link #withValues(java.util.Collection)} if you want to override the existing values.</p>
@param values One or more values for the DHCP option.
@return Returns a reference to this object so that method calls can be chained together.*/*",

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      "enumType" : null,
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      @return Returns a reference to this object so that method calls can be chained together.*/*",
      "fluentSetterMethodName" : "withKey",
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      @return The name of a DHCP option.*/*",
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         "documentation" : null
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@param key The name of a DHCP option.*="/",
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@return Returns a reference to this object so that method calls can be chained together.*="/",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"variableSetterType" : "String"
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"variableType" : "String",
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"variableSetterType" : "String"
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"map" : false,
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@param values One or more values for the DHCP option.*/",
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"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more values for the DHCP option.</p>
<p><b>NOTE: </b>This method appends the values to the existing list (if any). Use {@link #setValues(java.util.Collection)} or {
@link #withValues(java.util.Collection)} if you want to override the existing values.</p>
@param values One or more values for the DHCP option.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "One or more values for the DHCP option."",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DhcpConfiguration",
"unmarshalller" : {
"flattened" : false,
"resultWrapper" : null
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"wrapper" : false
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"DhcpOptions" : {
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    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
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         "enumType" : null,
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         "fluentSetterMethodName" : "withDhcpOptionsId",
         "getterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>\n@returns {String} The ID of the set of DHCP options.*/",
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"unmarshallLocationName" : "dhcOptionsId",
"uri" : false
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"list" : false,
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"map" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the set of DHCP options.</p>",
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"xmlNameSpaceUri" : null
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"c2jName" : "DhcpConfigurations",
"c2jShape" : "DhcpConfigurationList",
"deprecated" : false,
"documentation" : "<p>One or more DHCP options in the set.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>One or more DHCP options in the set.\</p>\n@param dhcpConfigurations One or more DHCP options in the set.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpConfigurations",
"getterDocumentation" : "/**\<p>One or more DHCP options in the set.\</p>\n@return One or more DHCP options in the set.*/",
"getterMethodName" : "getDhcpConfigurations",
"getterModel" : {
   "returnType" : "java.util.List<DhcpConfiguration>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "DhcpConfigurationSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "dhcpConfigurationSet",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "DhcpConfiguration",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "DhcpConfiguration",
         "documentation" : null
      }
   }
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "DhcpConfiguration",
  "variableName" : "member",
  "variableType" : "DhcpConfiguration",
  "documentation" : "",
  "simpleType" : "DhcpConfiguration",
  "variableSetterType" : "DhcpConfiguration"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "DhcpConfiguration",
  "documentation" : "",
  "simpleType" : "DhcpConfiguration",
  "variableSetterType" : "DhcpConfiguration"
},
"xmlNameSpaceUri" : null
}.
"memberLocationName" : "item",
"memberType" : "DhcpConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType" : "java.util.List<DhcpConfiguration>",
}
"map" : false,
"mapModel" : null,
"name" : "DhcpConfigurations",
"setterDocumentation" : "/**\n* One or more DHCP options in the set.
*/
@param dhcpConfigurations One or more DHCP options in the set.
*/",
"setterMethodName" : "setDhcpConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : "",
  "simpleType" : "List<DhcpConfiguration>",
  "variableSetterType" : "java.util.Collection<DhcpConfiguration>",
}
"simple" : false,
"varargSetterDocumentation" : "/**\n* One or more DHCP options in the set.
*/
@param dhcpConfigurations One or more DHCP options in the set.
*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : "One or more DHCP options in the set.
"}
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the DHCP options set.
"}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* Any tags assigned to the DHCP options set.
*/
@param tags Any tags assigned to the DHCP options set.
*/
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n* Any tags assigned to the DHCP options set.
*/
"getterMethodName" : "getTags",
"return" : Returns a reference to this object so that method calls can be chained together.
"*/",}
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : "null"
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
    },
  },
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
:idempotencyToken" : false,
:list" : false,
:listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**
\<p>Any tags assigned to the DHCP options set.</p>
@param tags Any tags assigned to the DHCP options set.*\*/",
"setterMethodName": "setTags",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**
\<p>Any tags assigned to the DHCP options set.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \@link #setTags(java.util.Collection) or \@link #withTags(java.util.Collection) if you want to override the existing values.</p>
@param tags Any tags assigned to the DHCP options set.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "Any tags assigned to the DHCP options set.",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"DhcpConfigurations": {
"c2jName": "DhcpConfigurations",
"c2jShape": "DhcpConfigurationList",
"deprecated": false,
"documentation": "\<p>One or more DHCP options in the set.</p>",
"enumType": null,
"fluentSetterDocumentation": "\<p>One or more DHCP options in the set.</p>\n@param dhcpConfigurations One or more DHCP options in the set.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName": "withDhcpConfigurations",
"getterDocumentation": "\<p>One or more DHCP options in the set.</p>\n@return One or more DHCP options in the set.*\*/",
"getterMethodName": "getDhcpConfigurations",
"getterModel": {
"returnType": "java.util.List<DhcpConfiguration>",
"documentation": null
},
"http": {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpConfigurationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dhcpConfigurationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "DhcpConfiguration",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
                                         @param member
                                         @return Returns a reference to this object so that
                                         method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n                                 @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "DhcpConfiguration",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
```
{"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "DhcpConfiguration",
  "variableName": "member",
  "variableType": "DhcpConfiguration",
  "documentation": "",
  "simpleType": "DhcpConfiguration",
  "variableSetterType": "DhcpConfiguration"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "DhcpConfiguration",
  "variableName": "member",
  "variableType": "DhcpConfiguration",
  "documentation": "",
  "simpleType": "DhcpConfiguration",
  "simple": false,
  "simpleType": "DhcpConfiguration",
  "variableSetterType": "DhcpConfiguration"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "DhcpConfiguration",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "DhcpConfiguration",
"templateImplType": "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType": "java.util.List<DhcpConfiguration>"
},
"map": false,
"mapModel": null,
"name": "DhcpConfigurations",
"setterDocumentation": "/**"<p>One or more DHCP options in the set.</p>
/**<p>One or more DHCP options in the set.</p>*/",
"setterMethodName": "setDhcpConfigurations"
```
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : "",
  "simpleType" : "List<DhcpConfiguration>",
  "variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>One or more DHCP options in the set.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDhcpConfigurations(java.util.Collection)} or
  {@link #withDhcpConfigurations(java.util.Collection)} if you want to override the existing values.</p>

  @param dhcpConfigurations One or more DHCP options in the set.
  @return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : "<p>One or more DHCP options in the set.</p>
  "simpleType" : "List<DhcpConfiguration>",
  "variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"xmlNameSpaceUri" : null
},
"DhcpOptionsId" : {
  "c2jName" : "DhcpOptionsId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the set of DHCP options.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>The ID of the set of DHCP options.</p>
  @param dhcpOptionsId The ID of the set of DHCP options.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDhcpOptionsId",
  "getterDocumentation" : "/** <p>The ID of the set of DHCP options.</p>
  @return The ID of the set of DHCP options.*/",
  "getterMethodName" : "getDhcpOptionsId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dhcpOptionsId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/*<p>The ID of the set of DHCP options.</p>
@param dhcpOptionsId The ID of
the set of DHCP options.*/",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "dhcpOptionsId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the set of DHCP options.</p>
@param dhcpOptionsId The
ID of the set of DHCP options.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "dhcpOptionsId",
"variableType" : "String",
"documentation" : "<p>The ID of the set of DHCP options.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the DHCP options set.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Any tags assigned to the DHCP options set.</p>
@param tags Any tags assigned to the DHCP options set.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n<p>Any tags assigned to the DHCP options set.</p>\n@returns Any tags assigned to the DHCP options set.*/",
"getterMethodName" : "getTags",
"getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Tag",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member 
@returns Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@returns \n*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Tag",
            "documentation" : null
        },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "location" : null,
        "marshallLocationName" : "Tag",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "tagSet",
        "uri" : false
    }
}
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag">
            },
            "map" : false,
            "mapModel" : null,
            "name" : "Tags",
            "setterDocumentation" : "/**
@<p>Any tags assigned to the DHCP options set.</p>

@<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use <link #setTags(java.util.Collection)> or <link #withTags(java.util.Collection)> if you want to override the existing values.</p>

@<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
            "setterMethodName" : "setTags",
            "setterModel" : {
                "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>
            },
            "simple" : false,
            "varargSetterDocumentation" : "/**
@<p>Any tags assigned to the DHCP options set.</p>

@<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use <link #setTags(java.util.Collection)> or <link #withTags(java.util.Collection)> if you want to override the existing values.</p>

@<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
            "variable" : {
                "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>
            },
            "xmlNameSpaceUri" : null
        },
        "requestSignerAware" : false,
        "requestSignerClassFqcn" : null,
        "required" : null,
        "shapeName" : "DhcpOptions",
        "unmarshaller" : {
            "flattened" : false,
            "resultWrapper" : null
        },
        "variable" : {
            "variableDeclarationType" : "DhcpOptions",
            "variableName" : "tags",
            "variableType" : "java.util.List<Tag>
        },
        "documentation" : "Any tags assigned to the DHCP options set."
    },
    "variable" : {
        "variableDeclarationType" : "DhcpOptions",
        "variableName" : "tags",
        "variableType" : "DhcpOptions",
        "documentation" : null,
        "simpleType" : "List<Tag>
    }
}
"variableSetterType" : "DhcpOptions",
},
"wrapper" : false
},
"DisableVgwRoutePropagationRequest" : {
"c2jName" : "DisableVgwRoutePropagationRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DisableVgwRoutePropagation.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : {
"action" : "DisableVgwRoutePropagation",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{
"c2jName" : "RouteTableId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p><p>@param routeTableId The ID of the route table.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withRouteTableId",
"getterDocumentation" : "/**<p>The ID of the route table.</p><p>@return The ID of the route table.</p>*/",
"getterMethodName" : "getRouteTableId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**\n@param routeTableId The ID of the route table.\n*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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"variable" : {
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  "variableSetterType" : "String"
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"getterDocumentation" : "/**\n * The ID of the virtual private gateway.
 */
 @return The ID of the virtual private gateway.
 */

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  "documentation" : null
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  "unmarshallLocationName" : "GatewayId",
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 */
 @param gatewayId The ID of the virtual private gateway.
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 */
 @return Returns a reference to this object so that method calls can be chained together.
 */

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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
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@param gatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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            "simpleType" : "String",
            "variableSetterType" : "String"
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        "xmlNameSpaceUri" : null
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"unmarshallLocationName" : "RouteTableId",
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"list" : false,
"listModel" : null,
"map" : false,
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  "simpleType" : "String",
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  "simpleType" : "DisableVgwRoutePropagationRequest",
  "variableSetterType" : "DisableVgwRoutePropagationRequest"
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"documentation" : "<p>Contains the parameters for DisableVpcClassicLinkDnsSupport.</p>",
"enums" : null,
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"marshaller" : {
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"xmlNameSpaceUri" : null
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"members" : [ {
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
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"documentation" : null
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"greedy" : false,
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"isStreaming" : false,
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   * \n   * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
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  "variableName" : "vpcId",
  "variableType" : "String",
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   * \n   * @return Returns a reference to this object so that method calls can be chained together.*/",
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    "c2jShape" : "String",
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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  "variableName" : "disableVpcClassicLinkDnsSupportRequest",
  "variableType" : "DisableVpcClassicLinkDnsSupportRequest",
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"uri" : false
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
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  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.<p>\n@param returnValue Returns a reference to this object so that method calls can be chained together.*\n**

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  "simpleType" : "Boolean",
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"fluentSetterMethodName" : "withReturn",
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"returnType" : "Boolean",
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "return",
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    "resultWrapper" : null
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    "variableType" : "DisableVpcClassicLinkDnsSupportResult",
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"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
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    @return Returns a reference to this object so that method calls can be chained together.
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    "getterDocumentation": "The ID of the VPC.\n    @return The ID of the VPC."
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  {
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    "getterDocumentation": "The ID of the VPC.\n    @return The ID of the VPC."
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    "getterDocumentation": "The ID of the VPC.\n    @return The ID of the VPC."
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@return
Returns a reference to this object so that method calls can be chained together. */",

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\n@returns
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\n@returns
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@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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Classic.</p>*/
@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
@return Returns a reference to this object so that method calls can be chained together.*/"}
Classic.<p>@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.<br/>
@return Returns a reference to this object so that method calls can be chained together.*"*/
    
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    @return Returns a reference to this object so that method calls can be chained together.*"*/
    
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@return Returns a reference to this object
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@return
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Classic.</p>\n@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.\n@return Returns a reference to this object so that method calls can be chained together.*"",
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            "deprecated" : false,
            "documentation" : "The ID of the IAM instance profile association.
\</p>">
, "enumType" : null,
            "fluentSetterDocumentation" : "\*/
, "fluentSetterMethodName" : "withAssociationId",
        }
    ]
}
"getterDocumentation" : "/**<p>The ID of the IAM instance profile association.</p>
@return The ID of the IAM instance profile association.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssociationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The ID of the IAM instance profile association.</p>
@param associationId The ID of the IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
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  "variableName" : "associationId",
  "variableType" : "associationId",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the IAM instance profile association.</p>
@param associationId The ID of the IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "associationId",
  "variableType" : "associationId",
  "documentation" : "<p>The ID of the IAM instance profile association.</p>
"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
"AssociationId" : {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the IAM instance profile association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the IAM instance profile association.</p>
@param associationId The ID of the IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The ID of the IAM instance profile association.</p>
@return The ID of the IAM instance profile association.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociationId",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The ID of the IAM instance profile association.</p>
@param associationId The ID of the IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the IAM instance profile association.</p>
@param
associationId The ID of the IAM instance profile association.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The ID of the IAM instance profile association.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "AssociationId" ],
"shapeName" : "DisassociateIamInstanceProfileRequest",
"unmarshaller" : null,
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"variableName" : "disassociateIamInstanceProfileRequest",
"variableType" : "DisassociateIamInstanceProfileRequest",
"documentation" : null,
"simpleType" : "DisassociateIamInstanceProfileRequest",
"variableSetterType" : "DisassociateIamInstanceProfileRequest"
},
"wrapper" : false
},
"DisassociateIamInstanceProfileResult" : {
"c2jName" : "DisassociateIamInstanceProfileResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "IamInstanceProfileAssociation",
  "c2jShape" : "IamInstanceProfileAssociation",
  "deprecated" : false,
  "documentation" : "<p>Information about the IAM instance profile association.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * Information about the IAM instance profile association.\n   * @param iamInstanceProfileAssociation Information about the IAM instance profile association.\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIamInstanceProfileAssociation",
  "getterDocumentation" : "/**\n   * Information about the IAM instance profile association.\n   * @return Information about the IAM instance profile association.*/",
  "getterMethodName" : "getIamInstanceProfileAssociation",
  "getterModel" : {
    "returnType" : "IamInstanceProfileAssociation",
    "documentation" : null
  },
  "http" : { 
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IamInstanceProfileAssociation",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "iamInstanceProfileAssociation",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "IamInstanceProfileAssociation",
  "setterDocumentation" : "/**\n   * Information about the IAM instance profile association.\n   * @param iamInstanceProfileAssociation Information about the IAM instance profile association.\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setIamInstanceProfileAssociation",
  "setterModel" : { 

"variableDeclarationType" : "IamInstanceProfileAssociation",
"variableName" : "iamInstanceProfileAssociation",
"variableType" : "IamInstanceProfileAssociation",
"documentation" : "",
"simpleType" : "IamInstanceProfileAssociation",
"variableSetterType" : "IamInstanceProfileAssociation"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param
iamInstanceProfileAssociation Information about the IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IamInstanceProfileAssociation",
"variableName" : "iamInstanceProfileAssociation",
"variableType" : "IamInstanceProfileAssociation",
"documentation" : "<p>Information about the IAM instance profile association.</p>",
"simpleType" : "IamInstanceProfileAssociation",
"variableSetterType" : "IamInstanceProfileAssociation"
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"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"IamInstanceProfileAssociation" : {
"c2jName" : "IamInstanceProfileAssociation",
"c2jShape" : "IamInstanceProfileAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IAM instance profile association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIamInstanceProfileAssociation",
"getterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@return
Information about the IAM instance profile association.*/",
"getterMethodName" : "getIamInstanceProfileAssociation",
"getterModel" : {
"returnType" : "IamInstanceProfileAssociation",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IamInstanceProfileAssociation",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfileAssociation",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfileAssociation",
"setterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param
iamInstanceProfileAssociation Information about the IAM instance profile association.*/",
"setterMethodName" : "setIamInstanceProfileAssociation",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileAssociation",
  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param
iamInstanceProfileAssociation Information about the IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileAssociation",
  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "<p>Information about the IAM instance profile association.</p>
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DisassociateIamInstanceProfileResult",
"unmarshalller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DisassociateIamInstanceProfileResult",

"variableName" : "disassociateIamInstanceProfileResult",
"variableType" : "DisassociateIamInstanceProfileResult",
"documentation" : null,
"simpleType" : "DisassociateIamInstanceProfileResult",
"variableSetterType" : "DisassociateIamInstanceProfileResult"
},
"wrapper" : false
},
"DisassociateRouteTableRequest" : {
"c2jName" : "DisassociateRouteTableRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for DisassociateRouteTable.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : {
 "action" : "DisassociateRouteTable",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
 "members" : [{
 "c2jName" : "AssociationId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "The association ID representing the current association between the route table and subnet.
<p>}</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "The association ID representing the current association between the route table and subnet.
<p>}</p>@param associationId The association ID representing the current association between the route table and subnet.
<p>}</p>@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withAssociationId",
 "getterDocumentation" : "The association ID representing the current association between the route table and subnet.
<p>}</p>@return The association ID representing the current association between the route table and subnet.*/",
 "getterMethodName" : "getAssociationId",}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AssociationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "associationId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**
 * The association ID representing the current association between the route table and subnet.
 */\n@param associationId The association ID representing the current association between the route table and subnet.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The association ID representing the current association between the route table and subnet.
 */\n@param associationId The association ID representing the current association between the route table and subnet.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
],
"membersAsMap" : {
"AssociationId" : {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The association ID representing the current association between the route table and subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association ID representing the current association between the route table and subnet.</p>\n@param associationId The association ID representing the current association between the route table and subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The association ID representing the current association between the route table and subnet.</p>\n@return The association ID representing the current association between the route table and subnet.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The association ID representing the current association between the route
table and subnet.

```java
@JsonProperty
public String getAssociationId() {
    return associationId;
}
```

**setterMethodName** : "setAssociationId",
**setterModel** : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
**simple** : true,
**varargSetterDocumentation** : "/*\*\*@param associationId The association ID representing the current association between the route table and subnet. */",

```java
@JsonProperty
public void setAssociationId(String associationId) {
    this.associationId = associationId;
}
```

**variable** : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "<p>The association ID representing the current association between the route table and subnet.</p>

```java
@override
public void associateWith(String associationId) {
    this.associationId = associationId;
}
```

**simple** : true,
**varargSetterDocumentation** : "/*\*\*@param associationId The association ID representing the current association between the route table and subnet. */",

```java
@JsonProperty
private void disassociateWith() {
    this.associationId = null;
}
```

**variable** : {
    "variableDeclarationType" : "DisassociateRouteTableRequest",
    "variableName" : "disassociateRouteTableRequest",
    "variableType" : "DisassociateRouteTableRequest",
    "documentation" : null,
    "simpleType" : "DisassociateRouteTableRequest",
    "variableSetterType" : "DisassociateRouteTableRequest"
},
**wrapper** : false,
**DisassociateRouteTableResult** : {
    "c2jName" : "DisassociateRouteTableResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
```
"marshaller": {
  "action": "DisassociateSubnetCidrBlock",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "AssociationId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The association ID for the CIDR block.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The association ID for the CIDR block.</p>
@<p>associationId</p>

@<p>Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName": "withAssociationId",
    "getterDocumentation": "/**<p>The association ID for the CIDR block.</p>
@<p>associationId</p>

@<p>The association ID for the CIDR block.</p>*/",
    "getterMethodName": "getAssociationId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "AssociationId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "associationId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "AssociationId",
    "setterDocumentation": "/**<p>The association ID for the CIDR block.</p>
@<p>associationId</p>

@<p>The association ID for the CIDR block.</p>*/",
    "setterMethodName": "setAssociationId",
    "setterModel": null
  }
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AssociationId",
"setterDocumentation": "/**<p>The association ID for the CIDR block.</p>
@<p>associationId</p>

@<p>The association ID for the CIDR block.</p>*/"}
"setterMethodName": "setAssociationId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The association ID for the CIDR block.</p>
@param associationId
The association ID for the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "<p>The association ID for the CIDR block.</p>
  
  "@param associationId The association ID for the CIDR block.
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "associationId",
    "variableType": "String",
    "documentation": "<p>The association ID for the CIDR block.</p>
    
    "@param associationId The association ID for the CIDR block.
    
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri": null
  }
},
"membersAsMap": {
  "AssociationId": {
    "c2jName": "AssociationId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The association ID for the CIDR block.</p>
    
    "@param associationId The association ID for the CIDR block.
    
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation": "/**<p>The association ID for the CIDR block.</p>
    
    @param associationId The association ID for the CIDR block.
    
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withAssociationId",
    "getterDocumentation": "/**<p>The association ID for the CIDR block.</p>
    
    @return The association ID for the CIDR block.
    */",
    "getterMethodName": "getAssociationId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**\n*p>The association ID for the CIDR block.<p>
@param associationId
The association ID for the CIDR block.<p>*\n*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The association ID for the CIDR block.<p>
@param associationId
The association ID for the CIDR block.<p>*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "The association ID for the CIDR block.<p>
@return Returns a reference to this object so that method calls can be chained together.<p>*\n",
  "simpleType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "AssociationId" ],
"shapeName" : "DisassociateSubnetCidrBlockRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DisassociateSubnetCidrBlockRequest",
  "variableName" : "disassociateSubnetCidrBlockRequest",}
"marshallLocationName": "SubnetId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "subnetId",
"uri": false
",
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SubnetId",
"setterDocumentation": "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*/",
"setterMethodName": "setSubnetId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": 
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "subnetId",
  "variableType": "String",
  "documentation": 
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "Ipv6CidrBlockAssociation",
"c2jShape": "SubnetIpv6CidrBlockAssociation",
"deprecated": false,
"documentation": "<p>Information about the IPv6 CIDR block association.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpv6CidrBlockAssociation",
"getterDocumentation": "/**<p>Information about the IPv6 CIDR block association.</p>
@return Information about the IPv6 CIDR block association.*/",
"getterMethodName": "getIpv6CidrBlockAssociation",
"getterModel": {
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"documentation" : null
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  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlockAssociation",
  "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.</p>@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.*/*/",
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  "variableSetterType" : "SubnetIpv6CidrBlockAssociation"
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"simple" : false,
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@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.</p>@return Returns a reference to this
object so that method calls can be chained together.*/*/",
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  "variableSetterType" : "SubnetIpv6CidrBlockAssociation"
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        "enumType" : null,
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            "documentation" : null
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            "greedy" : false,
            "header" : false,
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            "statusCode" : false,
            "unmarshallLocationName" : "ipv6CidrBlockAssociation",
            "uri" : false
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            "variableName" : "ipv6CidrBlockAssociation",
            "variableType" : "SubnetIpv6CidrBlockAssociation",
            "documentation" : ""
        }
    }
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"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param
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"variableName" : "ipv6CidrBlockAssociation",
"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "Information about the IPv6 CIDR block association.

@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "SubnetIpv6CidrBlockAssociation"},
"xmlNameSpaceUri" : null
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"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the subnet.

@param
subnetId The ID of the subnet.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "The ID of the subnet.

@param
subnetId The ID of the subnet.

@return The ID of the subnet.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "SubnetId",
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@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
"required" : null,
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  "resultWrapper" : null
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  "variableName" : "disassociateSubnetCidrBlockResult",
  "variableType" : "DisassociateSubnetCidrBlockResult",
  "documentation" : null,
  "simpleType" : "DisassociateSubnetCidrBlockResult",
  "variableSetterType" : "DisassociateSubnetCidrBlockResult"
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  "skipGeneratingUnmarshaller" : false
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"hasStreamingMember" : false,
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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    "documentation" : "<p>The association ID for the CIDR block.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n * The association ID for the CIDR block.\n *\n * @param associationId The association ID for the CIDR block.\n *\n * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "/*\n * The association ID for the CIDR block.\n *\n * @return The association ID for the CIDR block.\n *\n * @return The association ID for the CIDR block.*/",
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      "documentation" : null
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"statusCode": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AssociationId",
"setterDocumentation": "/**\n<p>The association ID for the CIDR block.</p>
@param associationId The association ID for the CIDR block.*/",
"setterMethodName": "setAssociationId",
"setterModel": {
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  "variableName": "associationId",
  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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@param associationId The association ID for the CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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  "simpleType": "String",
  "variableSetterType": "String"
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return The association ID for the CIDR block.*="/",
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"returnType": "String",
"documentation": null
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"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "associationId",
"uri": false
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"map": false,
"mapModel": null,
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@param associationId The association ID for the CIDR block.*="/",
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"variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The association ID for the CIDR block.</p>*/
@param associationId The association ID for the CIDR block.
@returns Returns a reference to this object so that method calls can be chained together.*="/",
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"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The association ID for the CIDR block.</p>*/
@param associationId The association ID for the CIDR block.
@returns Returns a reference to this object so that method calls can be chained together.*="/",
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"documentation" : "<p>The association ID for the CIDR block.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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"unmarshaller" : null,
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"variableName" : "disassociateVpcCidrBlockRequest",
"variableType" : "DisassociateVpcCidrBlockRequest",
"documentation" : null,
"simpleType" : "DisassociateVpcCidrBlockRequest",
"variableSetterType" : "DisassociateVpcCidrBlockRequest"
},
"wrapper" : false
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"DisassociateVpcCidrBlockResult" : {
"c2jName" : "DisassociateVpcCidrBlockResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"I flu entSetterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@n @param vpcId The ID of the VPC.\n@n @return
Returns a reference to this object so that method calls can be chained together. */",
"I fluentSetterMethodName" : "withVpcId",}
"getterDocumentation" : "/**<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"idempotencyToken" : false,
"variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "ipv6CidrBlockAssociation",
"variableType" : "VpcIpv6CidrBlockAssociation",
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>

"simpleType" : "VpcIpv6CidrBlockAssociation",
"variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"xmlNameSpaceUri" : null
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}],
"membersAsMap" : {
"Ipv6CidrBlockAssociation" : {
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"c2jShape" : "VpcIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>

"simpleType" : "VpcIpv6CidrBlockAssociation",
"variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociation",
"uri" : false
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  "resultWrapper" : null
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  "variableName" : "disassociateVpcCidrBlockResult",
  "variableType" : "DisassociateVpcCidrBlockResult",
  "documentation" : null,
  "simpleType" : "DisassociateVpcCidrBlockResult",
  "variableSetterType" : "DisassociateVpcCidrBlockResult"
},
"wrapper" : false
},
"DiskImage" : {
  "c2jName" : "DiskImage",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes a disk image.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
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      "c2jName" : "Image",
      "c2jShape" : "DiskImageDetail",
      "deprecated" : false,
      "documentation" : "Information about the disk image.",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*<p>Information about the disk image.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
      "getterDocumentation" : "/*<p>Information about the disk image.</p>
@returns Information about the disk image.
@returns Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName" : "getImage",
      "getterModel" : {
        "returnType" : "DiskImageDetail",
        "documentation" : null
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      "http" : {
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          "flattened" : false,
          "resultWrapper" : null
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        "variable" : {
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          "variableName" : "disassociateVpcCidrBlockResult",
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          "documentation" : null,
          "simpleType" : "DisassociateVpcCidrBlockResult",
          "variableSetterType" : "DisassociateVpcCidrBlockResult"
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        "wrapper" : false
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      "name" : "Image",
      "type" : null,
      "xmlValue" : null
    }
  ],
  "namespace" : "com.amazonaws.services.ec2.model",
  "package" : null,
  "simpleName" : "DiskImage",
  "skipMarshalling" : false,
  "skipUnmarshalling" : false,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
}
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"greedy" : false,
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"isPayload" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Image",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>Information about the disk image.</p>
@param image Information about the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImage",
"setterModel" : {
  "variableDeclarationType" : "DiskImageDetail",
  "variableName" : "image",
  "variableType" : "DiskImageDetail",
  "documentation" : "",
  "simpleType" : "DiskImageDetail",
  "variableSetterType" : "DiskImageDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the disk image.</p>
@param image Information about the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DiskImageDetail",
  "variableName" : "image",
  "variableType" : "DiskImageDetail",
  "documentation" : "<p>Information about the disk image.</p>
  "simpleType" : "DiskImageDetail",
  "variableSetterType" : "DiskImageDetail"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the disk image.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the disk image.</p>
@param description A description of the disk image.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the disk image.</p>
@return A description of the disk image.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the disk image.</p>
@param description A description of the disk image.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the disk image.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"setterModel" : {
    "variableDeclarationType" : "VolumeDetail",
    "variableName" : "volume",
    "variableType" : "VolumeDetail",
    "documentation" : "",
    "simpleType" : "VolumeDetail",
    "variableSetterType" : "VolumeDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the volume.</p>
@param volume Information about the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "VolumeDetail",
    "variableName" : "volume",
    "variableType" : "VolumeDetail",
    "documentation" : "<p>Information about the volume.</p>",
    "simpleType" : "VolumeDetail",
    "variableSetterType" : "VolumeDetail"
}
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "Description" : {
        "c2jName" : "Description",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>A description of the disk image.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>A description of the disk image.</p>
@param description A description of the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withDescription",
        "getterDocumentation" : "/**<p>A description of the disk image.</p>
@return A description of the disk image.*/",
        "getterMethodName" : "getDescription",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "additionalKey" : null,
            "additionalProperty" : null,
            "additionalQueryParameter" : null,
            "additionalResponseMember" : null,
            "additionalResponseMemberComplexType" : null,
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            "additionalResponseMemberTemplate" : null,
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            "additionalResponseMemberTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntry" : null,
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            "additionalResponseMemberTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplate" : null,
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            "additionalResponseMemberTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryTypeTemplateMapEntryComplexType" : null,
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"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the disk image.</p>
@return Information about the disk image.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the disk image.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the disk image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Image" : {
  "c2jName" : "Image",
  "c2jShape" : "DiskImageDetail",
  "deprecated" : false,
  "documentation" : "<p>Information about the disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the disk image.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImage",
  "getterDocumentation" : "/**<p>Information about the disk image.</p>
@return Information about the disk image.*/"},
"xmlNameSpaceUri" : null
},
"Image" : {
  "c2jName" : "Image",
  "c2jShape" : "DiskImageDetail",
  "deprecated" : false,
  "documentation" : "<p>Information about the disk image.</p>",
  "enumType" : null,
"getterMethodName" : "getImage",
"getterModel" : {
  "returnType" : "DiskImageDetail",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Image",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Image",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>Information about the disk image.</p>
@param image Information about the disk image.*/",
"setterMethodName" : "setImage",
"setterModel" : {
  "variableDeclarationType" : "DiskImageDetail",
  "variableName" : "image",
  "variableType" : "DiskImageDetail",
  "documentation" : "",
  "simpleType" : "DiskImageDetail",
  "variableSetterType" : "DiskImageDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the disk image.</p>
@param image Information about the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DiskImageDetail",
  "variableName" : "image",
  "variableType" : "DiskImageDetail",
  "documentation" : "<p>Information about the disk image.</p>",
  "simpleType" : "DiskImageDetail",
  "variableSetterType" : "DiskImageDetail"
},
"xmlNameSpaceUri" : null
},
"Volume" : {
  "c2jName" : "Volume",
  "c2jShape" : "VolumeDetail",
  "deprecated" : false,
  "documentation" : "<p>Information about the volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" :="/**<p>Information about the volume.</p>\n@param volume Information about the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolume",
  "getterDocumentation" :="/**<p>Information about the volume.</p>\n@return Information about the volume.*/",
  "getterMethodName" : "getVolume",
  "getterModel" : {
    "returnType" : "VolumeDetail",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Volume",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Volume",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Volume",
  "setterDocumentation" :="/**<p>Information about the volume.</p>\n@param volume Information about the volume.*/",
  "setterMethodName" : "setVolume",
  "setterModel" : {
    "variableDeclarationType" : "VolumeDetail",
    "variableName" : "volume",
    "variableType" : "VolumeDetail",
    "documentation" : "",
    "simpleType" : "VolumeDetail",
  },
}
"variableSetterType": "VolumeDetail",
"simple": false,
"varargSetterDocumentation": "*/<p>Information about the volume.</p>
@param volume Information about the volume.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
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"variableName": "volume",
"variableType": "VolumeDetail",
"documentation": "<p>Information about the volume.</p>",
"simpleType": "VolumeDetail",
"variableSetterType": "VolumeDetail"
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"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DiskImage",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "DiskImage",
"variableName": "diskImage",
"variableType": "DiskImage",
"documentation": null,
"simpleType": "DiskImage",
"variableSetterType": "DiskImage"
},
"wrapper": false,

"DiskImageDescription": {
"c2jName": "DiskImageDescription",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes a disk image.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Format",
  "c2jShape" : "DiskImageFormat",
  "deprecated" : false,
  "documentation" : "<p>The disk image format.</p>",
  "enumType" : "DiskImageFormat",
  "fluentSetterDocumentation" : "/**\n   * The disk image format.
   * @param format The disk image format.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see DiskImageFormat*/",
  "fluentSetterMethodName" : "withFormat",
  "getterDocumentation" : "/**\n   * The disk image format.
   * @return The disk image format.
   * @see DiskImageFormat*/",
  "getterMethodName" : "getFormat",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Format",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "format",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Format",
  "setterDocumentation" : "/**\n   * The disk image format.
   * @param format The disk image format.
   * @see DiskImageFormat*/",
  "setterMethodName" : "setFormat",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "format",
    "variableType" : "String",
    "
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param size The size of the disk image, in GiB.*/",
"setterMethodName" : "setSize",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param size The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "<p>The size of the disk image, in GiB.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "ImportManifestUrl",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.<p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.<p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.<p>For information about the import manifest referenced by this API action, see <a
"mapModel" : null,
"name" : "ImportManifestUrl",
"setterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. </p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p> \n@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. </p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>
@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. </p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p> \n@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setImportManifestUrl",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "importManifestUrl",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. </p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p> \n@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. </p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p> \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "importManifestUrl",
  "variableType" : "String",
  "documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. </p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p>\n@return Returns a reference to this object so that method calls can be chained together. */"
For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

The checksum computed for the disk image.

```java
/**
 * The checksum computed for the disk image.
 * @param checksum
 * @return
 */
public String getChecksum()
```

```java
/**
 * The checksum computed for the disk image.
 * @return
 */
public String withChecksum(String checksum)
```
checksum computed for the disk image.*/*", 
"setterMethodName" : "setChecksum",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
@param checksum
The checksum computed for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "<p>The checksum computed for the disk image.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Checksum" : {
    "c2jName" : "Checksum",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The checksum computed for the disk image.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
    @param checksum
    The checksum computed for the disk image.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withChecksum",
    "getterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
    @return The checksum computed for the disk image.
    */",
    "getterMethodName" : "getChecksum",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Checksum",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "checksum",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Checksum",
"setterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
@param checksum The checksum computed for the disk image.*/",
"setterMethodName" : "setChecksum",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
@param checksum The checksum computed for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "<p>The checksum computed for the disk image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Format" : {
  "c2jName" : "Format",
  "c2jShape" : "DiskImageFormat",
  "deprecated" : false,
  "documentation" : "<p>The disk image format.</p>",
  "enumType" : "DiskImageFormat",
  "fluentSetterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see
"
DiskImageFormat*/",
   "fluentSetterMethodName" : "withFormat",
   "getterDocumentation" : "/**<p>The disk image format.</p>
@return The disk image format.
@see DiskImageFormat*/",
   "getterMethodName" : "getFormat",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Format",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "format",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "Format",
   "setterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@see DiskImageFormat*/",
   "setterMethodName" : "setFormat",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "format",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "format",
      "variableType" : "String",
      "variableSetterType" : "String"}
the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

**getterDocumentation**

```
/**
 * A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

**setterDocumentation**

```

```
```
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"vargSetterDocumentation": "/**
A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.*/

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

@returns A reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "importManifestUrl",
"variableType": "String",
"documentation": "A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Size": {
"c2jName": "Size",
"c2jShape": "Long",
"deprecated": false,
"documentation": "The size of the disk image, in GiB.

@returns The size of the disk image, in GiB.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSize",
"getterDocumentation": "The size of the disk image, in GiB.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getSize",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Size": {
"c2jName": "Size",
"c2jShape": "Long",
"deprecated": false,
"documentation": "The size of the disk image, in GiB.

@returns The size of the disk image, in GiB.\n@returns Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName": "withSize",
"getterDocumentation": "The size of the disk image, in GiB.\n@returns Returns a reference to this object so that method calls can be chained together.*/
"getterMethodName": "getSize"}
"getterModel": {
"returnType": "Long",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Size",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "size",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Size",
"setterDocumentation": "/**
<p>The size of the disk image, in GiB.</p>
@param size The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setSize",
"setterModel": {
"variableDeclarationType": "Long",
"variableName": "size",
"variableType": "Long",
"documentation": "",
"simpleType": "Long",
"variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The size of the disk image, in GiB.</p>
@param size The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "Long",
"variableName": "size",
"variableType": "Long",
"documentation": "" The size of the disk image, in GiB.
",
"simpleType": "Long",
"variableSetterType": "Long"
},
"xmlNameSpaceUri": null
DiskImageFormat*/

"getterMethodName" : "getFormat",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Format",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "format",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Format",
"setterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@see DiskImageFormat*/",
"setterMethodName" : "setFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "<p>The disk image format.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableSetterType" : "String",
],
"xmlNameSpaceUri" : null
], { "c2jName" : "Bytes",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The size of the disk image, in GiB.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param bytes The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBytes",
"getterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@return The size of the disk image, in GiB.*/",
"getterMethodName" : "getBytes",
"getterModel" : {
"returnType" : "Long",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Bytes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bytes",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Bytes",
"setterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param bytes The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBytes",
"setterModel" : {
"variableDeclarationType" : "Long",
"variableName" : "bytes",
"variableType" : "Long",
"documentation" : ""
"simpleType": "Long",
"variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The size of the disk image, in GiB.</p>
@param bytes The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Long",
  "variableName": "bytes",
  "variableType": "Long",
  "documentation": "/<p>The size of the disk image, in GiB.</p>
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"xmlNameSpaceUri": null
],
"c2jName": "ImportManifestUrl",
"c2jShape": "String",
"deprecated": false,
"documentation": "/<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>,
"enumType": null,
"fluentSetterDocumentation": "/**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>
  @param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withImportManifestUrl",
"getterDocumentation": "/**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/"}
For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p> <p>For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p> <p>For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p> <p>For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p> <p>For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p> <p>For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p> <p>For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p> <p>For information about the import manifest referenced by this API action, see "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. "}</p>
the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

**setterMethodName** : "setImportManifestUrl",

**setterModel** : {
  "variableDeclarationType" : "String",
  "variableName" : "importManifestUrl",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. \</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. \</p>

@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. \</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. \</p>

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "importManifestUrl",
  "variableType" : "String",
  "documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. \</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. \</p>

\</p>\</p>

"simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}],

"membersAsMap" : {
  "Bytes" : {
    "c2jName" : "Bytes",
    "c2jShape" : "Long",
  }
}
"deprecated": false,
"documentation": "The size of the disk image, in GiB.",
"enumType": null,
"fluentSetterDocumentation": "The size of the disk image, in GiB.
@param bytes The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "withBytes",
"getterDocumentation": "The size of the disk image, in GiB.
@return The size of the disk image, in GiB.",
"getterMethodName": "getBytes",
"getterModel": {
 "returnType": "Long",
 "documentation": null
},
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "Bytes",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "bytes",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Bytes",
"setterDocumentation": "The size of the disk image, in GiB.
@param bytes The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setBytes",
"setterModel": {
 "variableDeclarationType": "Long",
 "variableName": "bytes",
 "variableType": "Long",
 "documentation": "",
 "simpleType": "Long",
 "variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation": "The size of the disk image, in GiB.
@param bytes The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.",
"variable": {
  "variableDeclarationType": "Long",
  "variableName": "bytes",
  "variableType": "Long",
  "documentation": "<p>The size of the disk image, in GiB.</p>",
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"xmlNameSpaceUri": null
},
"Format": {
  "c2jName": "Format",
  "c2jShape": "DiskImageFormat",
  "deprecated": false,
  "documentation": "<p>The disk image format.</p>",
  "enumType": "DiskImageFormat",
  "fluentSetterDocumentation": "/**<p>The disk image format.</p>
@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
  "fluentSetterMethodName": "withFormat",
  "getterDocumentation": "/**<p>The disk image format.</p>
@return The disk image format.
@see DiskImageFormat*/",
  "getterMethodName": "getFormat",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Format",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "format",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Format"}
"setterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@see DiskImageFormat*/",
"setterMethodName" : "setFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "<p>The disk image format.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ImportManifestUrl" : {
  "c2jName" : "ImportManifestUrl",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>\n@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> \n@see DiskImageFormat*/",
  "xmlNameSpaceUri" : null
},
"xmlNameSpaceUri" : null
},
"xmlNameSpaceUri" : null
}
Authenticating REST Requests

For information about the import manifest referenced by this API action, see VM Import Manifest.

A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the VM Import Manifest.

For information about the import manifest referenced by this API action, see VM Import Manifest.

A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the VM Import Manifest.

For information about the import manifest referenced by this API action, see VM Import Manifest.

A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the VM Import Manifest.

For information about the import manifest referenced by this API action, see VM Import Manifest.
For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. 

```javascript
@Param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

@return Returns a reference to this object so that method calls can be chained together.
```

```javascript
variable: 

```javascript
@Param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 
```

Manifest</div></p>

      "simpleType": "String",
      "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
  },
  "requestSignerAware": false,
  "requestSignerClassFqn": null,
  "required": ["Format", "Bytes", "ImportManifestUrl"],
  "shapeName": "DiskImageDetail",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  },
  "variable": {
    "variableDeclarationType": "DiskImageDetail",
    "variableName": "diskImageDetail",
    "variableType": "DiskImageDetail",
    "documentation": null,
    "simpleType": "DiskImageDetail",
    "variableSetterType": "DiskImageDetail"
  },
  "wrapper": false
},

"DiskImageFormat": {
  "c2jName": "DiskImageFormat",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
    { "name": "VMDK", "value": "VMDK"
  },
  { "name": "RAW", "value": "RAW"
  },
  { "name": "VHD", "value": "VHD"
  }
],
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DiskImageFormat",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null,
}
,"variable" : {
  "variableDeclarationType" : "DiskImageFormat",
  "variableName" : "diskImageFormat",
  "variableType" : "DiskImageFormat",
  "documentation" : null,
  "simpleType" : "DiskImageFormat",
  "variableSetterType" : "DiskImageFormat"
},
"wrapper" : false,
"DiskImageVolumeDescription" : {
  "c2jName" : "DiskImageVolumeDescription",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a disk image volume.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Size",
    "c2jShape" : "Long",
    "deprecated" : false,
    "documentation" : "<p>The size of the volume, in GiB.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* The size of the volume, in GiB.
* @param size The size of the volume, in GiB.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  }
],
"wrapper" : false,
"DiskImageVolumeDescription" : {
  "c2jName" : "DiskImageVolumeDescription",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a disk image volume.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Size",
    "c2jShape" : "Long",
    "deprecated" : false,
    "documentation" : "<p>The size of the volume, in GiB.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* The size of the volume, in GiB.
* @param size The size of the volume, in GiB.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  }
],
"wrapper" : false,
"fluentSetterMethodName" : "withSize",
"getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>@return The size of the volume, in GiB.*/",
"getterMethodName" : "getSize",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Size",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "size",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p>@param size The size of the volume, in GiB.*/",
"setterMethodName" : "setSize",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>@param size The size of the volume, in GiB.<br/@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "<p>The size of the volume, in GiB.</p>"
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/** <p>The volume identifier.</p>\n@param id The volume identifier.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "id",
"variableType" : "String",
"documentation" : "<p>The volume identifier.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
",
"membersAsMap" : {
"Id" : {
"c2jName" : "Id",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The volume identifier.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The volume identifier.</p>\n@param id The volume identifier.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withId",
"getterDocumentation" : "/** <p>The volume identifier.</p>\n@return The volume identifier. */",
"getMethodNames" : "getId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Id",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "id",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Id",
"setterDocumentation" : "/**
 * The volume identifier.
 * @param id The volume identifier.
 */",
"setterMethodName" : "setId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "id",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The volume identifier.
 * @param id The volume identifier.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "id",
  "variableType" : "String",
  "documentation" : "<p>The volume identifier.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Size" : {
  "c2jName" : "Size",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Size" : {
  "c2jName" : "Size",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jName" : "Size",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Size" : {
  "c2jName" : "Size",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"Size" : {
  "c2jName" : "Size",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Size" : {
  "c2jName" : "Size",
  "c2jShape" : "Long",
  "deprecated" : false,
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param size The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSize",
"setterModel" : {
"variableDeclarationType" : "Long",
"variableName" : "size",
"variableType" : "Long",
"documentation" : "",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p><p@param size The size of the volume, in GiB.</p><p@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "Long",
"variableName" : "size",
"variableType" : "Long",
"documentation" : "<p>The size of the volume, in GiB.</p>",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
}]
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Id" ],
"shapeName" : "DiskImageVolumeDescription",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
}
"variable" : {
    "variableDeclarationType" : "DiskImageVolumeDescription",
    "variableName" : "diskImageVolumeDescription",
    "variableType" : "DiskImageVolumeDescription",
    "documentation" : null,
    "simpleType" : "DiskImageVolumeDescription",
    "variableSetterType" : "DiskImageVolumeDescription"
},
"wrapper" : false
},
"DomainType" : {
    "c2jName" : "DomainType",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : [ {
        "name" : "Vpc",
        "value" : "vpc"
    }, {
        "name" : "Standard",
        "value" : "standard"
    } ],
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "DomainType",
    "unmarshaller" : {
        "flattened" : false,
        "resultWrapper" : null
    },
    "variable" : {
        "variableDeclarationType" : "DomainType",
        "variableName" : "domainType",
        "variableType" : "DomainType",
        "documentation" : null,
        "simpleType" : "DomainType",
        "variableSetterType" : "DomainType"
    }
}
"documentation" : null,
"simpleType" : "DomainType",
"variableSetterType" : "DomainType"
},
"wrapper" : false
},
"EbsBlockDevice" : {
"c2jName" : "EbsBlockDevice",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a block device for an EBS volume.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
{"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the snapshot.</p>\n@param snapshotId The ID of the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the snapshot.</p>\n@return The ID of the snapshot.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"wrapper" : false
},
"variableSetterType" : "DomainType",
"variableSetterType" : "DomainType"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "snapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*\*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot;
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}, {
  "c2jName" : "VolumeSize",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>"",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>""
larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

- **Constraints:** 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

- **Return:** Returns a reference to this object

```java
@GET
@Path("volumeSize")
@DefaultValue("500")
@PathParam("default")
public String volumeSize()
```

**Method Reference:**
- **Getter:**
  ```java
  public Integer getVolumeSize()
  ```
  Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

- **Setter:**
  ```java
  public void setVolumeSize(Integer volumeSize)
  ```

**Http References:**
- **Path:**
  ```java
  @Path("volumeSize")
  ```
- **QueryParam:**
  ```java
  @QueryParam("default")
  ```

**Additional Marshalling/Unmarshalling:**
- **Marshalling:**
  ```java
  @DefaultValue("500")
  ```
- **Unmarshalling:**
  ```java
  ```

**Idempotency Token:**
- **false**

**Is Payload:**
- **false**

**Is Streaming:**
- **false**

**Location:**
- **null**

**MarshallLocationName:**
- **"volumeSize"**

**UnmarshallLocationName:**
- **"volumeSize"**

**Uri:**
- **false**
Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>

<i>@param volumeSize The size of the volume, in GiB.</i></p>

<i>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</i>

<i>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</i>
"deprecated" : false,
"documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@return Indicates whether the EBS volume is deleted on instance termination.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * Indicates whether the EBS volume is deleted on instance termination.</p>\n * @param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.\n * @return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "deleteOnTermination",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean",
    "xmlNameSpaceUri" : null,
},

c2jName" : "VolumeType",
c2jShape" : "VolumeType",
deprecated" : false,
documentation" : "<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.\n<p>Default: <code>standard</code></p>",
enumType" : "VolumeType",
"fluentSetterDocumentation" : "/**\n * The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.\n * Default: <code>standard</code>\n * @return Returns a reference to this object so that method calls can be chained together.\n * @see VolumeType*/",

"fluentSetterMethodName" : "withVolumeType",

"getterDocumentation" : "/**\n * The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.\n * Default: <code>standard</code>\n * @return The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.\n * @see VolumeType*/",

"getterMethodName" : "getVolumeType",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeType",
    "uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeType",
"setterDocumentation": "/**<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code></p>
@param volumeType The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"setterMethodName": "setVolumeType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>
@param volumeType The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String",
  "documentation": "<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code></p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
  "c2jName": "Iops",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
  "constraint": Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.
  "condition": This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create..."
<code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

"enumType": null,

"fluentSetterDocumentation": "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Range is 100-20000 IOPS for &lt;code&gt;io1&lt;/code&gt; volumes and 100-10000 IOPS for &lt;code&gt;gp2&lt;/code&gt; volumes.&lt;/p&gt; &lt;p&gt;Condition: This parameter is required for requests to create &lt;code&gt;io1&lt;/code&gt; volumes; it is not used in requests to create &lt;code&gt;gp2&lt;/code&gt;, &lt;code&gt;st1&lt;/code&gt;, &lt;code&gt;sc1&lt;/code&gt;, or &lt;code&gt;standard&lt;/code&gt; volumes.&lt;/p&gt;&lt;/param&gt;

The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Range is 100-20000 IOPS for &lt;code&gt;io1&lt;/code&gt; volumes and 100-10000 IOPS for &lt;code&gt;gp2&lt;/code&gt; volumes.&lt;/p&gt; &lt;p&gt;Condition: This parameter is required for requests to create &lt;code&gt;io1&lt;/code&gt; volumes; it is not used in requests to create &lt;code&gt;gp2&lt;/code&gt;, &lt;code&gt;st1&lt;/code&gt;, &lt;code&gt;sc1&lt;/code&gt;, or &lt;code&gt;standard&lt;/code&gt; volumes.&lt;/p&gt;&lt;/param&gt;&lt;/p&gt;&lt;/div&gt;

@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName": "withIops",

"getterDocumentation": "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Range is 100-20000 IOPS for &lt;code&gt;io1&lt;/code&gt; volumes and 100-10000 IOPS for &lt;code&gt;gp2&lt;/code&gt; volumes.&lt;/p&gt; &lt;p&gt;Condition: This parameter is required for requests to create &lt;code&gt;io1&lt;/code&gt; volumes; it is not used in requests to create &lt;code&gt;gp2&lt;/code&gt;, &lt;code&gt;st1&lt;/code&gt;, &lt;code&gt;sc1&lt;/code&gt;, or &lt;code&gt;standard&lt;/code&gt; volumes.&lt;/p&gt;&lt;/param&gt;

The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;Constraint: Range is 100-20000 IOPS for &lt;code&gt;io1&lt;/code&gt; volumes and 100-10000 IOPS for &lt;code&gt;gp2&lt;/code&gt; volumes.&lt;/p&gt; &lt;p&gt;Condition: This parameter is required for requests to create &lt;code&gt;io1&lt;/code&gt; volumes; it is not used in requests to create &lt;code&gt;gp2&lt;/code&gt;, &lt;code&gt;st1&lt;/code&gt;, &lt;code&gt;sc1&lt;/code&gt;, or &lt;code&gt;standard&lt;/code&gt; volumes.*"/

"getterMethodName": "getIops",

"getterModel": {
  "returnType": "Integer",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "iops",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iops",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide</p>.

**p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>

**p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes. <p>

**p>@param iops The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide</p>.

**p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>

**p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>*/",
"setterMethodName" : "setIops",
"setterModel" : {

"variableDeclarationType" : "Integer",
"variableName" : "iops",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume
supports. For `<code>io1</code>`, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>`, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide. 

**<code>iops</code>**

The number of I/O operations per second (IOPS) that the volume supports. For `<code>io1</code>`, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>`, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide. 

**Constraint:** Range is 100-20000 IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes. 

**Condition:** This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes. 

**<code>encrypted</code>**

Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. 

**Constraint:** 

**Condition:** This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes. 

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**<code>encrypted</code>**

Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**
 * Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
 */
 @return Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**
 * Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
 */
 @param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
 */
 @param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.*/"
that support Amazon EBS encryption.

```java
@<p>Returns a reference to this object so that method calls can be chained together.</p>

```

```java
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>

```

```java
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}
```

```java
"xmlNameSpaceUri" : null
}

```

```java
"membersAsMap" : {
    "DeleteOnTermination" : {
        "c2jName" : "DeleteOnTermination",
        "c2jShape" : "Boolean",
        "deprecated" : false,
        "documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>

```

```java
"param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@<p>Returns a reference to this object so that method calls can be chained together.</p>

```

```java
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>

```

```java
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
}
```

```java
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DeleteOnTermination",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "deleteOnTermination",
    "uri" : false
}
```

```java
"idempotencyToken" : false,
"list" : false,
```
"listModel": null,
"map": false,
"mapModel": null,
"name": "DeleteOnTermination",
"setterDocumentation": "/**
* Indicates whether the EBS volume is deleted on instance termination.
*
* @param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.*/",
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
    "variableDeclarationType": "Boolean",
    "variableName": "deleteOnTermination",
    "variableType": "Boolean",
    "documentation": "/**
* Indicates whether the EBS volume is deleted on instance termination.
* @param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable": {
        "variableDeclarationType": "Boolean",
        "variableName": "deleteOnTermination",
        "variableType": "Boolean",
        "documentation": "/**
* Indicates whether the EBS volume is deleted on instance termination.
* @param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    },
    "xmlNameSpaceUri": null,
}]
"Encrypted": {
    "c2jName": "Encrypted",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "/**
* Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation": "/**
* Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation": "/**
* Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getEncrypted",
    "setterMethodName": "setEncrypted",
    "setterModel": {
        "variableDeclarationType": "Boolean",
        "variableName": "encrypted",
        "variableType": "Boolean",
        "documentation": "/**
* Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    },
    "xmlNameSpaceUri": null,
}]
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Encrypted",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "encrypted",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
@param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "simpleSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
@param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean"
Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>

```java
@Getter
@Setter
public class Iops {
    private int iops;
}
```

The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code> volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> 
<p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.*/
```
The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a>.

**Constraint:** Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

**Condition:** This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

```
.setterMethodName" : "setIops",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/* The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a>.

**Constraint:** Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

**Condition:** This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.
```

```
return
```
Amazon EBS Volume Types in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for \texttt{io1} volumes and 100-10000 IOPS for \texttt{gp2} volumes. Condition: This parameter is required for requests to create \texttt{io1} volumes; it is not used in requests to create \texttt{gp2}, \texttt{st1}, \texttt{sc1}, or \texttt{standard} volumes.
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\*\n@param snapshotId The ID of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot.</p>
  
  @param snapshotId The ID of the snapshot.
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null,
},
"VolumeSize" : {
  "c2jName" : "VolumeSize",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>
  
  @param volumeSize The size of the volume, in GiB.
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumeSize",
  "getterDocumentation" : "/*\n@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null,
},
Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

The size of the volume, in GiB.

Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
"variableName" : "volumeSize",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "volumeSize",
"variableType" : "Integer",
"documentation" : 
<p>The size of the volume, in GiB.</p> 
<p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> 
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"VolumeType" : {
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"deprecated" : false,
"documentation" : 
<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.</p> 
<p>Default: <code>standard</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : "VolumeType",
"fluentSetterDocumentation" : 
 /**<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.</p> 
<p>Default: <code>standard</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : 
 /**<p>The volume type: <code>gp2</code>, <code>io1</code>,

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The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.

**Default:** <code>standard</code>

**getVolumeType**

```java
public String getVolumeType()
```

**Documentation**

The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.

**Default:** <code>standard</code>

**setVolumeType**

```java
public void setVolumeType(String volumeType)
```

**Documentation**

The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.

**Default:** <code>standard</code>

**simple Setter Documentation**

```java
public void setVolumeType(String volumeType)
```

**Documentation**

The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.

**Default:** <code>standard</code>

**vararg Setter Documentation**

```java
public void setVolumeType(String... volumeTypes)
```

**Documentation**

The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.

**Default:** <code>standard</code>

**Return**

Returns a reference to this object so that method calls can be chained together.
"variable" : { 
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, 
<code>sc1</code>, or <code>standard</code>. Default: <code>standard</code> </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "EbsBlockDevice",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EbsBlockDevice",
  "variableName" : "ebsBlockDevice",
  "variableType" : "EbsBlockDevice",
  "documentation" : null,
  "simpleType" : "EbsBlockDevice",
  "variableSetterType" : "EbsBlockDevice"
},
"wrapper" : false
},
"EbsInstanceBlockDevice" : {
  "c2jName" : "EbsInstanceBlockDevice",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes a parameter used to set up an EBS volume in a block device mapping."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ }
"c2jName" : "VolumeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the EBS volume.",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.
/**
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "The ID of the EBS volume.
@return The ID of the EBS volume.
/**
"getterMethodName" : "getVolumeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "The ID of the EBS volume.
@param volumeId The ID of the EBS volume.
/**
"setterMethodName" : "setVolumeId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the EBS volume.
@param volumeId The ID of the EBS volume.
/**
"varargSetterMethodName" : "withVolumeId"
volume.

@return Returns a reference to this object so that method calls can be chained together.*

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the EBS volume.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
    "c2jName" : "Status",
    "c2jShape" : "AttachmentStatus",
    "deprecated" : false,
    "documentation" : "<p>The attachment state.</p>",
    "enumType" : "AttachmentStatus",
    "fluentlySetterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.<p>*/
@see AttachmentStatus*/",
    "fluentlySetterMethodName" : "withStatus",
    "getterDocumentation" : "/**<p>The attachment state.</p>
@return The attachment state.<p>*/
@see AttachmentStatus*/",
    "getterMethodName" : "getStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Status",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "status",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Status",
    "metadata" : {
        "packagePrefix" : "com.amazonaws.
        return
    },
    "namePrefix" : "com.amazonaws.
    return

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"setterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@see AttachmentStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The attachment state.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The attachment state.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "AttachTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time stamp when the attachment initiated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachTime*/",
"fluentSetterMethodName" : "withAttachTime",
"getterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@return The time stamp when the attachment initiated.
@see AttachTime*/",
"getterMethodName" : "getAttachTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*\*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "p>The time stamp when the attachment initiated.
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "p>Indicates whether the volume is deleted on instance termination.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*\*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "p>The time stamp when the attachment initiated.
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "p>Indicates whether the volume is deleted on instance termination.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*\*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "p>The time stamp when the attachment initiated.
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "p>Indicates whether the volume is deleted on instance termination.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*\*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "p>The time stamp when the attachment initiated.
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "p>Indicates whether the volume is deleted on instance termination.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*\*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "p>The time stamp when the attachment initiated.
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "p>Indicates whether the volume is deleted on instance termination.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*\*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "p>The time stamp when the attachment initiated.
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "p>Indicates whether the volume is deleted on instance termination.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
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Indicates whether the volume is deleted on instance termination.

@returns void

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Indicates whether the volume is deleted on instance termination.

@returns void

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@returns void

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The attachment state.

@returns void

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@returns void

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The attachment state.

@returns void

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    "documentation" : null
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    "statusCode" : false,
    "unmarshallLocationName" : "egressOnlyInternetGatewayId",
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  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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  "setterModel" : {
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    "variableName" : "egressOnlyInternetGatewayId",
    "variableType" : "String",
    "documentation" : ""
  }
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"variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>Information about the attachment of the egress-only Internet gateway.</p>
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    "getterDocumentation" : "/**\n@return */",
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@return Returns a reference to this object so that method calls can be chained together.*/"
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  "documentation" : "<p>Information about the attachment of the egress-only Internet gateway.</p>",
  "simpleType" : "List<InternetGatewayAttachment>",
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      "statusCode" : false,
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    "c2jShape" : "InternetGatewayAttachment",
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
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      "statusCode" : false,
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  "variableName" : "attachments",
  "variableType" : "java.util.List<InternetGatewayAttachment>",
  "documentation" : "",
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  "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
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  "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
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"c2jShape" : "EgressOnlyInternetGatewayId",
"deprecated" : false,
"documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
"getterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@return The ID of the egress-only Internet gateway.
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"uri" : false
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"listModel" : null,
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* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}],
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  "c2jShape" : "String",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the route table.*/",
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"map" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"}
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EnableVgwRoutePropagationResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EnableVgwRoutePropagationResult",
  "variableName" : "enableVgwRoutePropagationResult",
  "variableType" : "EnableVgwRoutePropagationResult",
  "documentation" : null,
  "simpleType" : "EnableVgwRoutePropagationResult",
  "variableSetterType" : "EnableVgwRoutePropagationResult"
},
"wrapper" : false
},
"EnableVolumeIORequest" : {
  "c2jName" : "EnableVolumeIORequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for EnableVolumeIO.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "EnableVolumeIO",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST"
"xmlNameSpaceUri" : null
},
"members" : [ {
 "c2jName" : "VolumeId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "&lt;p&gt;The ID of the volume.&lt;/p&gt;",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the volume.&lt;/p&gt;
 @param volumeId The ID of the volume.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "getterDocumentation" : "/**&lt;p&gt;The ID of the volume.&lt;/p&gt;
 @return The ID of the volume.*/",
 "getterMethodName" : "getVolumeId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VolumeId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "volumeId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "VolumeId",
 "setterDocumentation" : "/**&lt;p&gt;The ID of the volume.&lt;/p&gt;
 @param volumeId The ID of the volume.*"/
 "setterMethodName" : "setVolumeId",
 "setterModel" : { 
 "variableDeclarationType" : "String",
 "variableName" : "volumeId",
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 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 }
}
"simple": true,
"varargSetterDocumentation": "/**\n@param volumeId The ID of the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "<p>The ID of the volume.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "VolumeId": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the volume.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param volumeId The ID of the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVolumeId",
    "getterDocumentation": "/**\n@param volumeId The ID of the volume.\n@return The ID of the volume.*/",
    "getterMethodName": "getVolumeId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "VolumeId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "volumeId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
"mapModel": null,
"name": "VolumeId",
"setterDocumentation": "/**<p>The ID of the volume.</p>
\n@param volumeId The ID of the volume.*/",
"setterMethodName": "setVolumeId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "volumeId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the volume.</p>
\n@param volumeId The ID of the volume.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "volumeId",
"variableType": "String",
"documentation": "<p>The ID of the volume.</p>
",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "VolumeId" ],
"shapeName": "EnableVolumeIORequest",
"unmarshaller": null,
"variable": {
"variableDeclarationType": "EnableVolumeIORequest",
"variableName": "enableVolumeIORequest",
"variableType": "EnableVolumeIORequest",
"documentation": null,
"simpleType": "EnableVolumeIORequest",
"variableSetterType": "EnableVolumeIORequest"
},
"wrapper": false,
"EnableVolumeIOResult": {
"c2jName": "EnableVolumeIOResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { }
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EnableVolumeIOResult",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "EnableVolumeIOResult",
  "variableName" : "enableVolumeIOResult",
  "variableType" : "EnableVolumeIOResult",
  "documentation" : null,
  "simpleType" : "EnableVolumeIOResult",
  "variableSetterType" : "EnableVolumeIOResult"
},
"wrapper" : false
}

"EnableVpcClassicLinkDnsSupportRequest" : { 
  "c2jName" : "EnableVpcClassicLinkDnsSupportRequest",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for EnableVpcClassicLinkDnsSupport.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : { 
    "action" : "EnableVpcClassicLinkDnsSupport",
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : { 
    "variableDeclarationType" : "EnableVpcClassicLinkDnsSupport",
    "variableName" : "enableVpcClassicLinkDnsSupport",
    "variableType" : "EnableVpcClassicLinkDnsSupport",
    "documentation" : null,
    "simpleType" : "EnableVpcClassicLinkDnsSupport",
    "variableSetterType" : "EnableVpcClassicLinkDnsSupport"
  },
  "wrapper" : false
}
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
],
"members" : [
  {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return

Returs a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpcId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "VpcId",
    "setterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.*/",
    "setterMethodName" : "setVpcId",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "vpcId",
      "variableType" : "String",
  },
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : ":<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "VpcId" : {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : ":<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@<p>vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.
*/",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpcId",
      "uri" : false
    },
  }};
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EnableVpcClassicLinkDnsSupportRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "EnableVpcClassicLinkDnsSupportRequest",
  "variableName" : "enableVpcClassicLinkDnsSupportRequest",
  "variableType" : "EnableVpcClassicLinkDnsSupportRequest",
  "documentation" : null,
  "simpleType" : "EnableVpcClassicLinkDnsSupportRequest",
  "variableSetterType" : "EnableVpcClassicLinkDnsSupportRequest"
},
"wrapper" : false
},
"EnableVpcClassicLinkDnsSupportResult" : {
  "c2jName" : "EnableVpcClassicLinkDnsSupportResult",
  "customization" : {

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**Returns** <code>true</code> if the request succeeds; otherwise, it returns an error.

```java
@Return
```

**Returns** a reference to this object so that method calls can be chained together.

```java
@Return
```

```
```
null

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EnableVpcClassicLinkDnsSupportResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EnableVpcClassicLinkDnsSupportResult",
  "variableName" : "enableVpcClassicLinkDnsSupportResult",
  "variableType" : "EnableVpcClassicLinkDnsSupportResult",
  "documentation" : null,
  "simpleType" : "EnableVpcClassicLinkDnsSupportResult",
  "variableSetterType" : "EnableVpcClassicLinkDnsSupportResult"
},
"wrapper" : false

"EnableVpcClassicLinkRequest" : {
  "c2jName" : "EnableVpcClassicLinkRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for EnableVpcClassicLink.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "EnableVpcClassicLink",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "VpcId",
      "c2jShape" : "String",
      ...
    }
  ]
}
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@<p><param name="vpcId" /> The ID of the VPC.</param>
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return
The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param
@<p><param name="vpcId" /> The ID of the VPC.</param>
@return
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@<p><param name="vpcId" /> The ID of the VPC.</param>
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",

---

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"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "&lt;p&gt;The ID of the VPC.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the VPC.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@return The ID of the VPC.*\n",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@param vpcId The ID of the VPC.*\n",
"setterMethodName" : "setVpcId",
"setterModel" : {"variableName": "vpcId", "variableType": "String", "documentation": "&lt;p&gt;The ID of the VPC.&lt;/p&gt;", "simpleType": "String", "variableSetterType": "String"}, "xmlNameSpaceUri": null }, "membersAsMap": { "VpcId": { "c2jName": "VpcId", "c2jShape": "String", "deprecated": false, "documentation": "&lt;p&gt;The ID of the VPC.&lt;/p&gt;", "enumType": null, "fluentSetterDocumentation": "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/", "fluentSetterMethodName": "withVpcId", "getterDocumentation": "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@return The ID of the VPC.*\n", "getterMethodName": "getVpcId", "getterModel": { "returnType": "String", "documentation": null }, "http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": false, "isStreaming": false, "location": null, "marshallLocationName": "VpcId", "queryString": false, "statusCode": false, "unmarshallLocationName": "vpcId", "uri": false }, "idempotencyToken": false, "list": false, "listModel": null, "map": false, "mapModel": null, "name": "VpcId", "setterDocumentation": "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@param vpcId The ID of the VPC.*\n", "setterMethodName": "setVpcId", "setterModel": {"variableName": "vpcId", "variableType": "String", "documentation": "&lt;p&gt;The ID of the VPC.&lt;/p&gt;", "simpleType": "String", "variableSetterType": "String"}, "xmlNameSpaceUri": null },
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
};
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "EnableVpcClassicLinkRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "EnableVpcClassicLinkRequest",
"variableName" : "enableVpcClassicLinkRequest",
"variableType" : "EnableVpcClassicLinkRequest",
"documentation" : null,
"simpleType" : "EnableVpcClassicLinkRequest",
"variableSetterType" : "EnableVpcClassicLinkRequest"
},
"wrapper" : false
},
"EnableVpcClassicLinkResult" : {
"c2jName" : "EnableVpcClassicLinkResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of EnableVpcClassicLink.</p>",
"enums" : null,
"errorCode" : null,
"variableDeclarationType": "Boolean",
"variableName": "returnValue",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@returns {'returns': 'true'} <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "returnValue",
"variableType": "Boolean",
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
"Return": {
"c2jName": "Return",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@returns {'returns': 'true'} <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withReturn",
"getterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
"getterMethodName": "getReturn",
"getterModel": {
"returnType": "Boolean",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**
 * Returns <code>true</code> if the request succeeds; otherwise, it returns
 * an error.  @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
 */",
"setterMethodName" : "setReturn",
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Returns <code>true</code> if the request succeeds; otherwise, it returns
 * an error.  @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.  @return Returns a reference to this object so that method calls can be chained together.
 */",
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.  </p>
 */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
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},
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"required" : null,
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"unmarshaller" : {
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"resultWrapper" : null
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"variableName" : "enableVpcClassicLinkResult",
"variableType" : "EnableVpcClassicLinkResult",
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"variableSetterType" : "EnableVpcClassicLinkResult"
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"wrapper" : false
],
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"customization" : {
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"skipGeneratingUnmarshaller" : false
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},
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"value" : "system-reboot"
},
{"name" : "SystemMaintenance",
"value" : "system-maintenance"
},
{"name" : "InstanceRetirement",
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},
{"name" : "InstanceStop",
"value" : "instance-stop"
} ],
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EventCode",
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    "resultWrapper" : null
},
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    "variableName" : "eventCode",
    "variableType" : "EventCode",
    "documentation" : null,
    "simpleType" : "EventCode",
    "variableSetterType" : "EventCode"
},
"wrapper" : false
},
"EventInformation" : {
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        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes a Spot fleet event.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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    "members" : [
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            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the instance. This information is available only for <code>instanceChange</code> events.</p>"
        }
    ],
    "enumType" : null,
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\n\n@returns {string} The ID of the instance. This information is available only for <code>instanceChange</code> events.*/'",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>The ID of the instance. This information is available only for <code>instanceChange</code> events.</p>\n\n@returns {string} The ID of the instance. This information is available only for <code>instanceChange</code> events.*/'",
    "getterMethodName" : "getInstanceId"}
"getterMethodName" : "getInstanceId",
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  " returnType" : "String",
  " documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n<p>The ID of the instance. This information is available only for <code>instanceChange</code> events.</p>
@param instanceId The ID of the instance. This information is available only for <code>instanceChange</code> events.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the instance. This information is available only for <code>instanceChange</code> events.</p>
@param instanceId The ID of the instance. This information is available only for <code>instanceChange</code> events.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "\nThe ID of the instance. This information is available only for <code>instanceChange</code> events.*/\n@param instanceId The ID of the instance. This information is available only for <code>instanceChange</code> events.
@return Returns a reference to this object so that method calls can be chained together.*/"
The event.

The following are the `<code>error</code>` events.

- `<code>iamFleetRoleInvalid</code>` - The Spot fleet did not have the required permissions either to launch or terminate an instance.
- `<code>launchSpecTemporarilyBlacklisted</code>` - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.
- `<code>spotFleetRequestConfigurationInvalid</code>` - The configuration is not valid. For more information, see the description of the event.
- `<code>spotInstanceCountLimitExceeded</code>` - You've reached the limit on the number of Spot instances that you can launch.
- `<code>modify_in_progress</code>` - A request to modify the Spot fleet request was accepted and is in progress.
- `<code>modify_successful</code>` - The Spot fleet request was modified.
- `<code>price_update</code>` - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- `<code>subscribed</code>` - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
- `<code>instanceChange</code>` - A bid was fulfilled and a new instance was launched.

The following are the `<code>fleetRequestChange</code>` events.

- `<code>active</code>` - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
- `<code>cancelled</code>` - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.
- `<code>cancelled_running</code>` - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.
- `<code>cancelled_terminating</code>` - The Spot fleet is canceled and its Spot instances are terminating.
- `<code>expired</code>` - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `<code>TerminateInstancesWithExpiration</code>` set.
- `<code>modify_in_progress</code>` - A request to modify the Spot fleet request was accepted and is in progress.
- `<code>modify_successful</code>` - The Spot fleet request was modified.
- `<code>price_update</code>` - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- `<code>subscribed</code>` - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
- `<code>instanceChange</code>` - A bid was fulfilled and a new instance was launched.

The following are the `<code>instanceChange</code>` events.

- `<code>launched</code>` - A bid was fulfilled and a new instance was launched.
- `<code>terminated</code>` - An instance was terminated by the user.
canceled and its Spot instances are terminating.\p</li>  
<li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.\p</li>  
<li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.\p</li>  
<li> <p> <code>modify_successful</code> - The Spot fleet request was modified.\p</li>  
<li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.\p</li>  
<li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.\p</li>  
<li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.\p</li>  
<li> <p> <code>terminated</code> - An instance was terminated by the user.\p</li>  
<li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.\p</li>  
<li> <p> <code>cancelled</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.\p</li>  
<li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.\p</li>  
<li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.\p</li>  
<li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.\p</li>  
<li> <p> <code>modify_successful</code> - The Spot fleet request was modified.\p</li>  
<li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.\p</li>  
<li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.\p</li>  
<li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.\p</li>  
<li> <p> <code>terminated</code> - An instance was terminated by the user.\p</li>  
 li>  
"fluentSetterMethodName" : "withEventSubType",  
"getterDocumentation" : "/**\pThe event.\p*/\pThe following are the <code>error</code> events.\p</li>  
<ul>  
<li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.\p</li>  
<li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.\p</li>  
<li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.\p</li>  
<li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.\p</li>  
<li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.\p</li>  
<li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.\p</li>  
<li> <p> <code>canceled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.\p</li>  
<li> <p> <code>canceled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.\p</li>  
<li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.\p</li>  
<li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.\p</li>  
<li> <p> <code>modifySuccessful</code> - The Spot fleet request was modified.\p</li>  
<li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.\p</li>  
<li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.\p</li>  
<li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.\p</li>  
<li> <p> <code>terminated</code> - An instance was terminated by the user.\p</li>  
"\n@returns\pReturns a reference to this object so that method calls can be chained together."*/

```java
```
instances, but its existing Spot instances continue to run until they are interrupted or terminated.<p></p></li>
<li><p><code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.<p></p></li>
<li><p><code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.<p></p></li>
<li><p><code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.<p></p></li>
<li><p><code>modify_successful</code> - The Spot fleet request was modified.<p></p></li>
<li><p><code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.<p></p></li>
<li><p><code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.<p></p></li>
</ul><p>The following are the <code>instanceChange</code> events.</p><ul>
<li><p><code>launched</code> - A bid was fulfilled and a new instance was launched.</p></li>
<li><p><code>terminated</code> - An instance was terminated by the user.</p></li>
</ul><p>The following are the <code>error</code> events.</p><ul>
<li><p><code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.<p></p></li>
<li><p><code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.<p></p></li>
<li><p><code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.<p></p></li>
<li><p><code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.<p></p></li>
<li><p><code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.<p></p></li>
<li><p><code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.<p></p></li>
<li><p><code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.<p></p></li>
<li><p><code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.<p></p></li>
<li><p><code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.<p></p></li>
<li><p><code>modify_successful</code> - The Spot fleet request was modified.<p></p></li>
<li><p><code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.<p></p></li>
<li><p><code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.<p></p></li>
</ul>
The event document includes the following details:

- **EventSubType**: The event.
- **error**: The following are the <code>error</code> events:
  - <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.
  - <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.
  - <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid.
  - <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.
- **fleetRequestChange**: The following are the <code>fleetRequestChange</code> events:
  - <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
  - <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.
  - <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.
  - <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.
  - <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.
  - <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.
  - <code>modify_successful</code> - The Spot fleet request was modified.
  - <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
  - <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
  - <code>terminating</code> - An instance was terminated by the user.
  - <code>launched</code> - A bid was fulfilled and a new instance was launched.
- **instanceChange**: The following are the <code>instanceChange</code> events:
  - <code>launched</code> - An instance was launched.
  - <code>terminated</code> - An instance was terminated.

The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
deleted two days after its instances were terminated. </li> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated. </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating. </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set. </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress. </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified. </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent. </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances. </li> <ul> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance. </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event. </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event. </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch. </li> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated. </li> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated. </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating. </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set. </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress. </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified. </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent. </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances. </li> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched. </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.
The following are the `<code>error</code>` events.

- `<code>iamFleetRoleInvalid</code>` - The Spot fleet did not have the required permissions either to launch or terminate an instance.
- `<code>launchSpecTemporarilyBlacklisted</code>` - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.
- `<code>spotFleetRequestConfigurationInvalid</code>` - The configuration is not valid. For more information, see the description of the event.
- `<code>spotInstanceCountLimitExceeded</code>` - You've reached the limit on the number of Spot instances that you can launch.
- `<code>fleetRequestChange</code>` events.
- `<code>active</code>` - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
- `<code>cancelled</code>` - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.
- `<code>cancelled_running</code>` - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.
- `<code>cancelled_terminating</code>` - The Spot fleet is canceled and its Spot instances are terminating.
- `<code>expired</code>` - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `<code>TerminateInstancesWithExpiration</code>` set.
- `<code>modify_in_progress</code>` - A request to modify the Spot fleet request was accepted and is in progress.
- `<code>modify_successful</code>` - The Spot fleet request was modified.
- `<code>price_update</code>` - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- `<code>submitted</code>` - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
- `<code>launched</code>` - A bid was fulfilled and a new instance was launched.
- `<code>terminated</code>` - An instance was terminated by the user.

Variable

```
@variable {
  "variableDeclarationType" : "String",
  "variableName" : "eventSubType",
  "variableType" : "String",
  "documentation" : "The event."}
```

The following are the `<code>instanceChange</code>` events.

- `<code>launched</code>` - A bid was fulfilled and a new instance was launched.
- `<code>terminated</code>` - An instance was terminated by the user.
because it was too high. This change is permanent.</li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</li> </ul> <p>The following are the <code>instanceChange</code> events.</p> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</li> </ul>
"setterMethodName" : "setEventDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventDescription",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description of the event.</p>
@param eventDescription The description of the event
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventDescription",
  "variableType" : "String",
  "documentation" : 
    "<p>The description of the event.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "EventDescription" : {
    "c2jName" : "EventDescription",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : 
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The description of the event.</p>
@param eventDescription The description of the event
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEventDescription",
    "getterDocumentation" : "/**<p>The description of the event.</p>
@return The description of the event.*/",
    "getMethodName" : "getEventDescription",
    "getModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
"location" : null,
"marshallLocationName" : "EventDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventDescription",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The description of the event.</p>
@param eventDescription The description of the event.*/",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>The description of the event.</p>
@param eventDescription The description of the event,\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"EventSubType" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The event.\nThe following are the <code>error</code> events.\n<ul>
  <li><p><code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.\n</li>  <li><p><code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.\n</li>  <li><p><code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.\n</li>
</ul>""}
The following are the `fleetRequestChange` events.

- **`active`** - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
- **`cancelled`** - The Spot fleet has been canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.
- **`cancelled_running`** - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.
- **`cancelled_terminating`** - The Spot fleet is canceled and its Spot instances are terminating.
- **`expired`** - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.
- **`modify_in_progress`** - A request to modify the Spot fleet request was accepted and is in progress.
- **`modify_successful`** - The Spot fleet request was modified.
- **`price_update`** - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- **`submitted`** - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
- **`expired`** - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.
- **`modify_in_progress`** - A request to modify the Spot fleet request was accepted and is in progress.
- **`modify_successful`** - The Spot fleet request was modified.
- **`price_update`** - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.

The following are the `instanceChange` events.

- **`launched`** - A bid was fulfilled and a new instance was launched.
- **`terminated`** - An instance was terminated by the user.

The following are the `error` events.

- **`iamFleetRoleInvalid`** - The Spot fleet did not have the required permissions either to launch or terminate an instance.
- **`launchSpecTemporarilyBlacklisted`** - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.
- **`spotFleetRequestConfigurationInvalid`** - The configuration is not valid. For more information, see the description of the event.
- **`spotInstanceCountLimitExceeded`** - You've reached the limit on the number of Spot instances that you can launch.
- **`launchSpecTemporarilyBlacklisted`** - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.
- **`spotFleetRequestConfigurationInvalid`** - The configuration is not valid. For more information, see the description of the event.
- **`spotInstanceCountLimitExceeded`** - You've reached the limit on the number of Spot instances that you can launch.
configuration is not valid. For more information, see the description of the event.</p> </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li> <li> <p> The following are the <code>fleetRequestChange</code> events.</p> </li> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li> <li> <p> The following are the <code>instanceChange</code> events.</p> </li> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li> <li> <p> The following are the <code>fleetRequestChange</code> events.</p> </li> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li> <li> <p> The following are the <code>instanceChange</code> events.</p> </li> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch
instances have failed. For more information, see the description of the event.

- The configuration is not valid. For more information, see the description of the event.
- You've reached the limit on the number of Spot instances that you can launch.
- The following are the events:
  - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
  - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.
  - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.
  - You've reached the limit on the number of Spot instances that you can launch.
- A subsequent event indicates that the instances were terminated, if the request was created with:
- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
- A request to modify the Spot fleet request was accepted and is in progress.
- The Spot fleet request was modified.
- The following are the events:
  - A bid was fulfilled and a new instance was launched.
  - An instance was terminated by the user.

**getterMethodName**: "getEventSubType",
**getterModel**: {
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  "documentation": null
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**http**: {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "EventSubType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "eventSubType",
  "uri": false
},
**idempotencyToken**: false,
**list**: false,
**listModel**: null,
**map**: false,
**mapModel**: null,
**name**: "EventSubType",
**setterDocumentation**: "/**<p>The event.</p> <p>The following are the <code>error</code> events.*/

<p>The following are the <code>fleetRequestChange</code> events.</p> <ul>
  <li><code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</li>
  <li><code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</li>
  <li><code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</li>
  <li><code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</li>
  <li><code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with</li>
  <li><code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</li>
  <li><code>modify_successful</code> - The Spot fleet request was modified.</li>
  <li><code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</li>
  <li><code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</li>
  <li><code>cancelled</code> - The Spot fleet is canceled and its Spot instances are terminating.</li>
  <li><code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</li>
  <li><code>modify_successful</code> - The Spot fleet request was modified.</li>
  <li><code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</li>
  <li><code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</li>
</ul>
The Spot fleet did not have the required permissions either to launch or terminate an instance. The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.

You've reached the limit on the number of Spot instances that you can launch. The following are the events.

- The Spot fleet was canceled and its Spot instances are terminating. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.
- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- An instance was terminated by the user. A bid was fulfilled and a new instance was launched. The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
- The Spot fleet request was modified. The following are the events.

A bid was fulfilled and a new instance was launched. The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.

- The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances. The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.
- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- The Spot fleet is canceled and its Spot instances continue to run until they are interrupted or terminated. The Spot fleet request was modified. The following are the events.

- The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.

- The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances. The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated. The following are the events.

- The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances. The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated. The following are the events.

- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- The Spot fleet request was being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances. The following are the events.

- A bid was fulfilled and a new instance was launched. A bid was fulfilled and a new instance was launched. The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.

- The Spot fleet request was modified. The following are the events.

- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances. The following are the events.

- A bid was fulfilled and a new instance was launched. The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.

- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The event.
 * The following are the <code>error</code> events.\n */\n<li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.\n</p></li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.\n</p></li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.\n</p></li> <li> <p> The following are the <code>fleetRequestChange</code> events.\n</p></li> <li> <p> <code>cancelled</code> - The Spot fleet has been canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.\n</p></li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.\n</p></li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.\n</p></li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.\n</p></li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.\n</p></li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.\n</p></li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.\n</p></li> <li> <p> The following are the <code>instanceChange</code> events.\n</p></li> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.\n</p></li> <li> <p> <code>terminated</code> - An instance was terminated by the user.\n</p></li> <li> <p> <code>unparam eventSubType The event.\n</p></li> <li> <p> The following are the <code>error</code> events.\n</p></li> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.\n</p></li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.\n</p></li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.\n</p></li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.\n</p></li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.\n</p></li> <li> <p> The following are the <code>fleetRequestChange</code> events.\n</p></li> <li> <p> <code>cancelled</code> - The Spot fleet has been canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.\n</p></li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.\n</p></li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the
instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li> <ul> <li> <p> The following are the <code>instanceChange</code> events.</p> </li> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> </ul> <p>The following are the <code>error</code> events.</p> <ul> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li> </ul> <p>The following are the <code>fleetRequestChange</code> events.</p> <ul> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li> </ul> <p>The following are the <code>instanceChange</code> events.</p> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> </ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The ID of the instance. This information is available only for
\n* <code>instanceChange</code> events.\n* @param instanceId The ID of the instance. This information is
* available only for <code>instanceChange</code> events.\n* @return Returns a reference to this object so that method calls
* can be chained together.*/",
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* <code>instanceChange</code> events.\n* @return The ID of the instance. This information is available only for
* <code>instanceChange</code> events.*/",
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
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},
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* <code>instanceChange</code> events.\n* @param instanceId The ID of the instance. This information is available only for
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  "simpleType" : "String",
  "variableSetterType" : "String"
}
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"varargSetterDocumentation": "/**<p>The ID of the instance. This information is available only for
<code>instanceChange</code> events.</p>\n@param instanceId The ID of the instance. This information is
available only for <code>instanceChange</code> events.<p>\n@return Returns a reference to this object so that method
calls can be chained together.*/
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"variableSetterType": "String"
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"deprecated": false,
"documentation": "",
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"name": "Error",
"value": "error"
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"wrapper" : false

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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the export task.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : null
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"statusCode" : false,
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"setterMethodName" : "setDescription",
"setterModel" : {  
"returnType" : "String",
"documentation" : null
}
A description of the resource being exported.

@returns {String} A reference to this object so that method calls can be chained together.

```
variable: {
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  variableName: "description",
  variableType: "String",
  documentation: "A description of the resource being exported.",
  simpleType: "String",
  variableSetterType: "String"
},
```

```
fluentSetterDocumentation: 
/**
 * The state of the export task.
 */
fluentSetterMethodName: "withState",
getterDocumentation: 
/**
 * The state of the export task.
 */
getterMethodName: "getState",
getterModel: {
  returnType: "String",
  documentation: null
},
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  queryString: false,
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 * The state of the export task.
 * @param state The state of the export task.
 * @see ExportTaskState*/
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  "variableSetterType" : "String"
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 * The state of the export task.
 * @param state The state of the export task.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see ExportTaskState*/
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 * The status message related to the export task.
 * @param statusMessage The status message related to the export task.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see ExportTaskState*/
",
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 * The status message related to the export task.
 * @return The status message related to the export task.
 * @see ExportTaskState*/
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Information about the instance to export.*/",
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"documentation" : null
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"setterDocumentation": "/**<p>Information about the export task.</p>*/
@param exportToS3Task Information about the export task.

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  "documentation": "",
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  "variableSetterType": "ExportToS3Task"
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    "fluentSetterDocumentation": "/**<p>A description of the resource being exported.</p>*/
@param description A description of the resource being exported.

"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/**<p>A description of the resource being exported.</p>*/
@return A description of the resource being exported.

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    "variableSetterType" : "String"
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  "varargSetterDocumentation" : "/**<p>A description of the resource being exported.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "String",
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@return The ID of the export task.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : "<p>Information about the export task.</p>",
"enumType" : null,
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Information about the export task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Information about the export task.*/",
"getterMethodName" : "getExportToS3Task",
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"returnType" : "ExportToS3Task",
"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "exportToS3",
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"listModel" : null,
"map" : false,
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"setterDocumentation" : "/** <p>Information about the export task.</p>
@param exportToS3Task
Information about the export task.
@return Returns a reference to this object so that method calls can be chained together.*/"
Information about the export task.*/

setterMethodName" : "setExportToS3Task",
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  "variableType" : "ExportToS3Task",
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  "documentation": null
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@<p>return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",

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  "fluentSetterDocumentation" : "/**<p>The format for the exported image.</p>*/
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  @return Returns a reference to this object so that method calls can be chained
together.
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  @return The format for the exported image.
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    "documentation" : null
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>
@param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withS3Bucket",
"getterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>
@return The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.
*/",
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@param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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@param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  @param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.  
  
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>",
    "enumType" : "ContainerFormat"
}
"fluentSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@return Returns a reference to this object so that method calls can be chained together.
@see ContainerFormat*/",
"fluentSetterMethodName" : "withContainerFormat",
"getterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@return The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@see ContainerFormat*/",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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,"http" : {
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false,
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"map" : false,
"mapModel" : null,
"name" : "ContainerFormat",
"setterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@see ContainerFormat*/",
"setterMethodName" : "setContainerFormat",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "containerFormat",
 "variableType" : "String",
 "documentation" : "",
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 "variableSetterType" : "String"
}
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@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@return Returns a reference to this object so that method calls can be chained together.
@see ContainerFormat*/",

"variable" : {
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    "variableType" : "String",
    "documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
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    "c2jName" : "DiskImageFormat",
    "c2jShape" : "DiskImageFormat",
    "deprecated" : false,
    "documentation" : "<p>The format for the exported image.</p>
    "enumType" : "DiskImageFormat",
    "fluentSetterDocumentation" : "/**<p>The format for the exported image.</p>
    @param diskImageFormat The format for the exported image.
    @return Returns a reference to this object so that method calls can be chained together.
    @see DiskImageFormat*/",
    "fluentSetterMethodName" : "withDiskImageFormat",
    "getterDocumentation" : "/**<p>The format for the exported image.</p>
    @return The format for the exported image.
    @see DiskImageFormat*/",
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        "documentation" : null
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        "greedy" : false,
        "header" : false,
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        "queryString" : false,
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        "unmarshallLocationName" : "diskImageFormat",
        "uri" : false
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"setterDocumentation" : "/**<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.
@see DiskImageFormat*/",
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  "variableName" : "diskImageFormat",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
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  "variableType" : "String",
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@return The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>
@param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.*/",
  "deprecated" : false,
  "documentation" : "p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.*/
  "withS3Bucket",
  "getterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>
@return The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.*/
  "return Returns a reference to this object so that method calls can be chained together.*/

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export@amazon.com</code>.*"/
	,"getterMethodName" : "getS3Bucket",
	,"getterModel" : {
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		"documentation" : null
	},
	,"http" : {
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		"isStreaming" : false,
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		"queryString" : false,
		"statusCode" : false,
		"unmarshallLocationName" : "s3Bucket",
		"uri" : false
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	,"listModel" : null,
	,"map" : false,
	,"mapModel" : null,
	,"name" : "S3Bucket",
	,"setterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist
and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>
@param s3Bucket The S3 bucket for the destination image. The destination
bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.
@return Returns a reference to this object so that method calls can be chained
together.*/",
	,"setterMethodName" : "setS3Bucket",
	,"setterModel" : {
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		"variableName" : "s3Bucket",
		"variableType" : "String",
		"documentation" : "",
		"simpleType" : "String",
		"variableSetterType" : "String"
	},
	,"simple" : true,
	,"varargSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must
exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>
@param s3Bucket The S3 bucket for the destination image. The destination
bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.\n@return Returns a reference to this object so that method calls can be chained
together.*/";
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  "variableType" : "String",
  "documentation" : "<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"S3Key" : {
  "c2jName" : "S3Key",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The encryption key for your S3 bucket.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The encryption key for your S3 bucket.</p>
  @param s3Key The encryption key for your S3 bucket.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withS3Key",
  "getterDocumentation" : "/**<p>The encryption key for your S3 bucket.</p>
  @return The encryption key for your S3 bucket.
  @param s3Key The encryption key for your S3 bucket.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getS3Key",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "greedy" : false,
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    "isStreaming" : false,
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    "marshallLocationName" : "S3Key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "s3Key",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name": "S3Key",
"setterDocumentation": "/**<p>The encryption key for your S3 bucket.</p>
@param s3Key The encryption key for your S3 bucket.</p>*/",
"setterMethodName": "setS3Key",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "s3Key",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "*/\n@param s3Key The encryption key for your S3 bucket.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "s3Key",
"variableType": "String",
"documentation": "The encryption key for your S3 bucket.",
"simpleType": "String",
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"skipGeneratingUnmarshaller" : false,
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"deprecated" : false,
"documentation" : "<p>Describes an instance export task.</p>",
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"c2jShape" : "DiskImageFormat",
"deprecated" : false,
"documentation" : "<p>The format for the exported image.</p>",
"enumType" : "DiskImageFormat",
"fluentSetterDocumentation" : "/**<p>The format for the exported image.</p>\n@param diskImageFormat The format for the exported image.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DiskImageFormat*/",
"fluentSetterMethodName" : "withDiskImageFormat",
"getterDocumentation" : "/**<p>The format for the exported image.</p>\n@return The format for the exported image.\n@see DiskImageFormat*/",
"getterMethodName" : "getDiskImageFormat",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"isStreaming" : false,
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"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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"setterMethodName" : "setDiskImageFormat",
"setterModel" : {
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  "variableName" : "diskImageFormat",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n@param diskImageFormat The format for the exported image.\n@see DiskImageFormat*/",
"variable" : {
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  "variableName" : "diskImageFormat",
  "variableType" : "String",
  "documentation" : "<p>The format for the exported image.</p>
  "returnType" : "String",
  "documentation" : null,
  "xmlNameSpaceUri" : null
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"c2jShape" : "ContainerFormat",
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"documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>",
"enumType" : "ContainerFormat",
"fluentSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/",
"fluentSetterMethodName" : "withContainerFormat",
"getterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/",
"getterMethodName" : "getContainerFormat",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "containerFormat",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@see ContainerFormat*/",
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"setterModel": {
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  "variableName": "containerFormat",
  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@return Returns a reference to this object so that method calls can be chained together.
@see ContainerFormat*/",
"variable": {
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  "variableName": "containerFormat",
  "variableType": "String",
  "documentation": "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
"simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.
  */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.
  @param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.
  @return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withS3Bucket",
  "getterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.
  @return The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.
  */",
  "getterMethodName" : "getS3Bucket",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
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    "marshallLocationName" : "S3Bucket",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "s3Bucket",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "S3Bucket",
  "setterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-
export@amazon.com</code>.</p>
@param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. */

"setterMethodName" : "setS3Bucket",
"setterModel" : {
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  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.\n@return Returns a reference to this object so that method calls can be chained together.*/</p",
  
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  "documentation" : "The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "S3Prefix",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withS3Prefix",
"getterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.\n@return The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.*/",
"getterMethodName" : "getS3Prefix",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "S3Prefix",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "s3Prefix",
  "uri": false
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"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"name": "S3Prefix",
"setterDocumentation": "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.</p>
@param s3Prefix The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat. */",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.</p>
@param s3Prefix The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType": "String",
  "documentation": "<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
}
"xmlnsNameSpaceUri" : null
] },
"membersAsMap" : {
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 "c2jName" : "ContainerFormat",
 "c2jShape" : "ContainerFormat",
 "deprecated" : false,
 "documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If
absent, only the disk image is exported.</p>",
 "enumType" : "ContainerFormat",
 "fluentSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such
as OVF). If absent, only the disk image is exported.</p>
@param containerFormat The container format used to
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@return Returns a reference to this object so that method calls can be chained together.</p>
@see ContainerFormat*/",
 "fluentSetterMethodName" : "withContainerFormat",
 "getterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as
OVF). If absent, only the disk image is exported.</p>
@return The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@see ContainerFormat*/",
 "getterMethodName" : "getContainerFormat",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "containerFormat",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "ContainerFormat",
 "setterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as
OVF). If absent, only the disk image is exported.</p>
@param containerFormat The container format used to
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@see ContainerFormat*/"
"setterMethodName" : "setContainerFormat",
"setterModel" : {
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  "variableName" : "containerFormat",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@return Returns a reference to this object so that method calls can be chained together.
@see ContainerFormat*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "containerFormat",
  "variableType" : "String",
  "documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null},
"DiskImageFormat" : {
  "c2jName" : "DiskImageFormat",
  "c2jShape" : "DiskImageFormat",
  "deprecated" : false,
  "documentation" : "<p>The format for the exported image.</p>",
  "enumType" : "DiskImageFormat",
  "fluentSetterDocumentation" : "/**<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
  "fluentSetterMethodName" : "withDiskImageFormat",
  "getterDocumentation" : "/**<p>The format for the exported image.</p>
@return The format for the exported image.
@see DiskImageFormat*/",
  "getterMethodName" : "getDiskImageFormat",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "xmlNameSpaceUri" : null
  },
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DiskImageFormat",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DiskImageFormat",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DiskImageFormat",
"setterDocumentation" : "<!-- The format for the exported image. -->\n\n@see DiskImageFormat*/",
"setterMethodName" : "setDiskImageFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "diskImageFormat",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<!-- The format for the exported image. -->\n\n@see DiskImageFormat*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "diskImageFormat",
  "variableType" : "String",
  "documentation" : "<p>The format for the exported image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"S3Bucket" : {
  "c2jName" : "S3Bucket",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<!-- The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. -->",
  "enumType" : null,
  "fluentSetterDocumentation" : "<!-- The S3 bucket for the destination image. The destination bucket must

exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.
The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.

```java
public class S3Bucket {
    private String s3Bucket;

    public S3Bucket(String s3Bucket) {
        this.s3Bucket = s3Bucket;
    }

    public String getS3Bucket() {
        return s3Bucket;
    }

    public void setS3Bucket(String s3Bucket) {
        this.s3Bucket = s3Bucket;
    }
}
```

The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.

```java
public class S3Prefix {
    private String s3Prefix;

    public S3Prefix(String s3Prefix) {
        this.s3Prefix = s3Prefix;
    }

    public String getS3Prefix() {
        return s3Prefix;
    }

    public void setS3Prefix(String s3Prefix) {
        this.s3Prefix = s3Prefix;
    }
}
```
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "S3Prefix",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "s3Prefix",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Prefix",
"setterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.</p>
@param s3Prefix The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.*/

setterMethodName" : "setS3Prefix",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "s3Prefix",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.</p>
@param s3Prefix The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "s3Prefix",
  "variableType" : "String",
  "documentation" : "<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ExportToS3TaskSpecification",
"unmarshaller" : {
"flattened": false,
"resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ExportToS3TaskSpecification",
  "variableName": "exportToS3TaskSpecification",
  "variableType": "ExportToS3TaskSpecification",
  "documentation": null,
  "simpleType": "ExportToS3TaskSpecification",
  "variableSetterType": "ExportToS3TaskSpecification"
},
"wrapper": false
},
"Filter": {
  "c2jName": "Filter",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "A filter name and value pair that is used to return a more specific list of results. Filters can be used to match a set of resources by various criteria, such as tags, attributes, or IDs.",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    {
      "c2jName": "Name",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "The name of the filter. Filter names are case-sensitive.",
      "enumType": null,
      "fluentSetterDocumentation": "The name of the filter. Filter names are case-sensitive.",
      "fluentSetterMethodName": "withName",
      "getterDocumentation": "The name of the filter. Filter names are case-sensitive.",
      "getterMethodName": "getName",
      "getterModel": {
        "returnType": "String",
        "documentation": null
      }
    }
  ]
"http": {  
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Name",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Name",
  "uri": false
},
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Name",
  "setterDocumentation": "/**<p>The name of the filter. Filter names are case-sensitive.</p>
@\param name The name of the filter. Filter names are case-sensitive.</p>\n@\param name The name of the filter. Filter names are case-sensitive.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setName",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "name",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>The name of the filter. Filter names are case-sensitive.</p>\n@\param name The name of the filter. Filter names are case-sensitive.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "name",
    "variableType": "String",
    "documentation": "<p>The name of the filter. Filter names are case-sensitive.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
},
  "c2jName": "Values",
  "c2jShape": "ValueStringList"
"deprecated" : false,
"documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@param values One or more filter values. Filter values are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValues",
"getterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@return One or more filter values. Filter values are case-sensitive.*/",
"getterMethodName" : "getValues",
"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Value",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Value",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
}
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
},
"map": false,
"mapModel": null,
"name": "Values",
"setterDocumentation": "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@param values One or more filter values. Filter values are case-sensitive.*/",
"setterMethodName": "setValues",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "values",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filter values. Filter values are case-sensitive.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setValues(java.util.Collection)} or { @link #withValues(java.util.Collection)} if you want to override the existing values.</p>
@param values One or more filter values. Filter values are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "values",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more filter values. Filter values are case-sensitive.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"Name": {
  "c2jName": "Name",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The name of the filter. Filter names are case-sensitive.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "<p>The name of the filter. Filter names are case-sensitive.</p>
@param name The name of the filter. Filter names are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together."*/
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
},
"map": false,
"mapModel": null,
"name": "Values",
"setterDocumentation": "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@param values One or more filter values. Filter values are case-sensitive.*/",
"setterMethodName": "setValues",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "values",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filter values. Filter values are case-sensitive.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setValues(java.util.Collection)} or { @link #withValues(java.util.Collection)} if you want to override the existing values.</p>
@param values One or more filter values. Filter values are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "values",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more filter values. Filter values are case-sensitive.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"Name": {
  "c2jName": "Name",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The name of the filter. Filter names are case-sensitive.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "<p>The name of the filter. Filter names are case-sensitive.</p>
@param name The name of the filter. Filter names are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together."*/
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
},
"map": false,
"mapModel": null,
"name": "Values",
...
method calls can be chained together.*/,
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/**\n   * The name of the filter. Filter names are case-sensitive.\n   *\n   * @return The name of the filter. Filter names are case-sensitive.*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Name",
  "setterDocumentation" : "/**\n   * The name of the filter. Filter names are case-sensitive.\n   *\n   * @param name The name of the filter. Filter names are case-sensitive.\n   *\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setName",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "name",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n   * The name of the filter. Filter names are case-sensitive.\n   *\n   * @param name The name of the filter. Filter names are case-sensitive.\n   *\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "name",
"variableType" : "String",
"documentation" : "<p>The name of the filter. Filter names are case-sensitive.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Values" : {
"c2jName" : "Values",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filter values. Filter values are case-
sensitive.</p>
@<p>return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withValues",
"getterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@<p>return One or more filter values. Filter values are case-sensitive.</p>*/",
"getterMethodAnnotation" : "getValues",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Value",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member"}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
],
"xmlNameSpaceUri": null
}
,"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
],
"map": false,
"mapModel": null,
"name": "Values",
"setterDocumentation": "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@param values One or more filter values. Filter values are case-sensitive.*\n*/",
"setterMethodName": "setValues",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "values",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filter values. Filter values are case-sensitive.</p>

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setValues(java.util.Collection)} or {@link #withValues(java.util.Collection)} if you want to override the existing values.
@param values One or more filter values. Filter values are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "values",
  "variableType": "java.util.List<String>",
  "documentation": "One or more filter values. Filter values are case-sensitive.\n",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Filter",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "filter",
  "variableType" : "Filter",
  "documentation" : null,
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"wrapper" : false
},
"FleetType" : {
  "c2jName" : "FleetType",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Request",
    "value" : "request"
  }, {
    "name" : "Maintain",
    "value" : "maintain"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
"shapeName" : "FleetType",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "FleetType",
    "variableName" : "fleetType",
    "variableType" : "FleetType",
    "documentation" : null,
    "simpleType" : "FleetType",
    "variableSetterType" : "FleetType"
},
"wrapper" : false
},
"FlowLog" : {
    "c2jName" : "FlowLog",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes a flow log.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
        {
            "c2jName" : "CreationTime",
            "c2jShape" : "DateTime",
            "deprecated" : false,
            "documentation" : "<p>The date and time the flow log was created.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The date and time the flow log was created.</p>
*\n*\n@return Returns a reference to this object so that method calls can be chained together.
*/",
            "fluentSetterMethodName" : "withCreationTime",
            "getterDocumentation" : "/**<p>The date and time the flow log was created.</p>
*\n*\n@return The date and time the flow log was created.
*/",
            "getterMethodName" : "getCreationTime",
            "getterModel" : {
                "returnType" : "java.util.Date",
                "documentation" : null
            }
        }
    ]
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "CreationTime",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "creationTime",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CreationTime",
"setterDocumentation": "/**\n* The date and time the flow log was created.\n*\n* @param creationTime The date and time the flow log was created. */",
"setterMethodName": "setCreationTime",
"setterModel": {
    "variableDeclarationType": "java.util.Date",
    "variableName": "creationTime",
    "variableType": "java.util.Date",
    "documentation": "",
    "simpleType": "Date",
    "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The date and time the flow log was created.\n*\n* @param creationTime The date and time the flow log was created.\n*\n* @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
    "variableDeclarationType": "java.util.Date",
    "variableName": "creationTime",
    "variableType": "java.util.Date",
    "documentation": "The date and time the flow log was created."
},
"xmlNameSpaceUri": null
},
"c2jName": "FlowLogId",...
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The flow log ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFlowLogId",
"getterDocumentation" : "/**<p>The flow log ID.</p>@return The flow log ID.*/",
"getterMethodName" : "getFlowLogId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FlowLogId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "flowLogId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FlowLogId",
"setterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFlowLogId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "flowLogId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The flow log ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFlowLogId",
"getterDocumentation" : "/**<p>The flow log ID.</p>@return The flow log ID.*/",
"getterMethodName" : "getFlowLogId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FlowLogId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "flowLogId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FlowLogId",
"setterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFlowLogId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "flowLogId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The flow log ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFlowLogId",
"getterDocumentation" : "/**<p>The flow log ID.</p>@return The flow log ID.*/",
"getterMethodName" : "getFlowLogId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FlowLogId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "flowLogId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FlowLogId",
"setterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFlowLogId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "flowLogId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The flow log ID.</p>@param flowLogId The flow log ID.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "flowLogId",
"variableType" : "String",
"documentation" : "<p>The flow log ID.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FlowLogStatus",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The status of the flow log (<code>ACTIVE</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param
flowLogStatus The status of the flow log (<code>ACTIVE</code>).</n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFlowLogStatus",
"getterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@return The status of the flow log (<code>ACTIVE</code>).*/",
"getterMethodName" : "getFlowLogStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowLogStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "flowLogStatus",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FlowLogStatus",
"setterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param
flowLogStatus The status of the flow log (<code>ACTIVE</code>).*/",
"setterMethodName" : "setFlowLogStatus"
"setterMethodName" : "setFlowLogStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "flowLogStatus",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The status of the flow log (<code>ACTIVE</code>).
 * @param flowLogStatus The status of the flow log (<code>ACTIVE</code>).
 * @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "flowLogStatus",
  "variableType" : "String",
  "documentation" : "The status of the flow log (<code>ACTIVE</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "ResourceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the resource on which the flow log was created.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The ID of the resource on which the flow log was created.
 * @param resourceId The ID of the resource on which the flow log was created.
 * @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withResourceId",
"getterDocumentation" : "/**\n * The ID of the resource on which the flow log was created.
 * @return The ID of the resource on which the flow log was created.*/",
"getterMethodName" : "getResourceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null
}
"marshallLocationName" : "ResourceId",
"queryString" : false,
"statusId" : false,
"unmarshallLocationName" : "resourceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceId",
"setterDocumentation" : "/** <p>The ID of the resource on which the flow log was created.</p>
@param resourceId The ID of the resource on which the flow log was created.
*/",
"setterMethodName" : "setResourceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the resource on which the flow log was created.</p>
@param resourceId The ID of the resource on which the flow log was created.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the resource on which the flow log was created.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TrafficType",
"c2jShape" : "TrafficType",
"deprecated" : false,
"documentation" : "<p>The type of traffic captured for the flow log.</p>
  "enumType" : "TrafficType",
  "fluentSetterDocumentation" : "/** <p>The type of traffic captured for the flow log.</p>
  
  @return Returns a reference to this object so that method calls can be chained together.
  @see TrafficType*/",
  "fluentSetterMethodName" : "withTrafficType",
  "getterDocumentation" : "/** <p>The type of traffic captured for the flow log.</p>
  
  @return The type of traffic captured for the flow log.
  @see TrafficType*/"},
"getterMethodName" : "getTrafficType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TrafficType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "trafficType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TrafficType",
"setterDocumentation" : "/**<p>The type of traffic captured for the flow log. <br>
@see TrafficType<br>
@returns Returns a reference to this object so that method calls can be chained together.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTrafficType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of traffic captured for the flow log.</p>
@see TrafficType<br>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "<p>The type of traffic captured for the flow log.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"unmarshallLocationName" : "deliverLogsStatus",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsStatus",
"setterDocumentation" : "/** <p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).<br/>
@param deliverLogsStatus The status of the logs delivery (SUCCESS) | FAILED). */",
"setterMethodName" : "setDeliverLogsStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "deliverLogsStatus",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The status of the logs delivery (SUCCESS) | FAILED).<br/>
@param deliverLogsStatus The status of the logs delivery (SUCCESS) | FAILED).<br/>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "deliverLogsStatus",
"variableType" : "String",
"documentation" : "<p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "DeliverLogsErrorMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>",
"enumType" : null,
reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.

@returns

Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withDeliverLogsErrorMessage",
"getterDocumentation" : "/** Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error. */",
"getterMethodName" : "getDeliverLogsErrorMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeliverLogsErrorMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deliverLogsErrorMessage",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsErrorMessage",
"setterDocumentation" : "/** Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error. */",
"setterMethodName" : "setDeliverLogsErrorMessage"}
indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error. 

**p>\n@param deliverLogsErrorMessage Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error. */

```
setterMethodName" : "setDeliverLogsErrorMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsErrorMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.
@return Returns a reference to this object so that method calls can be chained together.*)/",

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsErrorMessage",
  "variableType" : "String",
  "documentation" : "<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>",

```
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
],
"c2jName" : "DeliverLogsPermissionArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ARN of the IAM role that posts logs to CloudWatch"
Logs.<p>@param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.<p>@return Returns a reference to this object so that method calls can be chained together.*"*/,

  "fluentSetterMethodName" : "withDeliverLogsPermissionArn",
  "getterDocumentation" : "/**<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
  @return The ARN of the IAM role that posts logs to CloudWatch Logs.*"*/,
  
  "getterMethodName" : "getDeliverLogsPermissionArn",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DeliverLogsPermissionArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "deliverLogsPermissionArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "DeliverLogsPermissionArn",
  "setterDocumentation" : "/**<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
  @param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.*"*/,
  "setterMethodName" : "setDeliverLogsPermissionArn",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "deliverLogsPermissionArn",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
  @param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.<p>@return Returns a reference to this object so that method calls can be chained together.*"*/,
  "variable" : {
    "variableDeclarationType" : "String",
"variableName" : "deliverLogsPermissionArn",
"variableType" : "String",
"documentation" : "<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {
"CreationTime" : {
"c2jName" : "CreationTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date and time the flow log was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time the flow log was created.</p>
@param creationTime The date and time the flow log was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreationTime",
"getterDocumentation" : "/**<p>The date and time the flow log was created.</p>
@return The date and time the flow log was created.*/",
"getterMethodName" : "getCreationTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CreationTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "creationTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreationTime",
"setterDocumentation" : "/**<p>The date and time the flow log was created.</p>
@param creationTime The date and time the flow log was created.
@return Returns a reference to this object so that method calls can be chained together.*/"}
date and time the flow log was created.*"/
,"setterMethodName" : "setCreationTime",
"setterModel" : {

"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the flow log was created.</p>
@param
creationTime The date and time the flow log was created.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {

"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTime",
"variableType" : "java.util.Date",
"documentation" : "The date and time the flow log was created.",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"DeliverLogsErrorMessage" : {
"c2jName" : "DeliverLogsErrorMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.

"@param
deliverLogsErrorMessage Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.

"@return Returns a reference to this object so that method calls can be chained together.*"/",
"getterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've
reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.<p>

@return Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.*/
Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.

```
/**
 * Information about the error that occurred. 
 * Rate limited indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. Access error indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs.
 * Unknown error indicates an internal error.
 */
```

```
public Object deliverLogsErrorMessage() {
    return this.deliverLogsErrorMessage;
}
```

```
/**
 * The ARN of the IAM role that posts logs to CloudWatch Logs.
 */
```

```
public void withDeliverLogsPermissionArn(String deliverLogsPermissionArn) {
    this.deliverLogsPermissionArn = deliverLogsPermissionArn;
}
```

```
public String getDeliverLogsPermissionArn() {
    return this.deliverLogsPermissionArn;
}
```

```
http: {
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>@param deliverLogsErrorMessage Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.
@return Returns a reference to this object so that method calls can be chained together.*"/
,"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "deliverLogsErrorMessage",
    "variableType" : "String",
    "documentation" : "<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"DeliverLogsPermissionArn" : {
    "c2jName" : "DeliverLogsPermissionArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ARN of the IAM role that posts logs to CloudWatch Logs.

**<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>@param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.
@return Returns a reference to this object so that method calls can be chained together.*"/
,"fluentSetterMethodName" : "withDeliverLogsPermissionArn",
"getterDocumentation" : "/*<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>@return The ARN of the IAM role that posts logs to CloudWatch Logs.*"/
,"getterMethodName" : "getDeliverLogsPermissionArn",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeliverLogsPermissionArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deliverLogsPermissionArn",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsPermissionArn",
"setterDocumentation" : "/**<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
@param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.*/",
"setterMethodName" : "setDeliverLogsPermissionArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsPermissionArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
@param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsPermissionArn",
  "variableType" : "String",
  "documentation" : "<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DeliverLogsStatus" : {
  "c2jName" : "DeliverLogsStatus",
  "c2jShape" : "String"}
"deprecated" : false,
"documentation" : "<p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p>
@param deliverLogsStatus The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeliverLogsStatus",
"getterDocumentation" : "/**<p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p>
@return The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).*/",
"getterMethodName" : "getDeliverLogsStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeliverLogsStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deliverLogsStatus",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsStatus",
"setterDocumentation" : "/**<p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).\n@param deliverLogsStatus The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeliverLogsStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsStatus",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
],
"simple" : true,
"varargSetterDocumentation" : "/*<p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>)</p>*/
@param deliverLogsStatus The status of the logs delivery
(<code>SUCCESS</code> | <code>FAILED</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/
,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsStatus",
  "variableType" : "String",
  "documentation" : "<p>The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p>
  @param deliverLogsStatus The status of the logs delivery
  (<code>SUCCESS</code> | <code>FAILED</code>).\n  @return Returns a reference to this object so that method calls can be chained together.*/
,
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FlowLogId" : {
  "c2jName" : "FlowLogId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The flow log ID.</p>*/
  @param flowLogId The flow log ID.\n  @return Returns a reference to this object so that method calls can be chained together.*/
,
  "fluentSetterMethodName" : "withFlowLogId",
  "getterDocumentation" : "/*<p>The flow log ID.</p>*/
  @return The flow log ID.\n  @return The flow log ID.*/
,
  "getterMethodName" : "getFlowLogId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FlowLogId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "flowLogId",
    "uri" : false
  },
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "FlowLogId",
"setterDocumentation": "/**<p>The flow log ID.</p>
@param flowLogId The flow log ID.</param>*/",
"setterMethodName": "setFlowLogId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "flowLogId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The flow log ID.</p>
@param flowLogId The flow log ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "flowLogId",
  "variableType": "String",
  "documentation": "<p>The flow log ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"FlowLogStatus": {
  "c2jName": "FlowLogStatus",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The status of the flow log (<code>ACTIVE</code>).</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param flowLogStatus The status of the flow log (<code>ACTIVE</code>).*/
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withFlowLogStatus",
  "getterDocumentation": "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@return The status of the flow log (<code>ACTIVE</code>).*/",
  "getterMethodName": "getFlowLogStatus",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowLogStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "flowLogStatus",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FlowLogStatus",
"setterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param
flowLogStatus The status of the flow log (<code>ACTIVE</code>).*/",
"setterMethodName" : "setFlowLogStatus",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "flowLogStatus",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param
flowLogStatus The status of the flow log (<code>ACTIVE</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "flowLogStatus",
    "variableType" : "String",
    "documentation" : "<p>The status of the flow log (<code>ACTIVE</code>).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LogGroupName" : {
    "c2jName" : "LogGroupName",
    "c2jShape" : "String",
    "deprecated" : false,
"documentation" : "<p>The name of the flow log group.</p>",
"enumType" : null,
"fluentsetterDocumentation" : "/**<p>The name of the flow log group.</p>
@param logGroupName The name of the flow log group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentsetterMethodName" : "withLogGroupName",
"getterDocumentation" : "/**<p>The name of the flow log group.</p>
@return The name of the flow log group.*/",
"getterMethodName" : "getLogGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LogGroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "logGroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LogGroupName",
"setterDocumentation" : "/**<p>The name of the flow log group.</p>
@param logGroupName The name of the flow log group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setLogGroupName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "logGroupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargsetterDocumentation" : "/**<p>The name of the flow log group.</p>
@param logGroupName The name of the flow log group.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "logGroupName",
  "variableType": "String",
  "documentation": "<p>The name of the flow log group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"ResourceId": {
  "c2jName": "ResourceId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the resource on which the flow log was created.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the resource on which the flow log was created.</p>
  * @param resourceId The ID of the resource on which the flow log was created.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withResourceId",
  "getterDocumentation": "/**<p>The ID of the resource on which the flow log was created.</p>
  * @return The ID of the resource on which the flow log was created.
  * @param resourceId The ID of the resource on which the flow log was created.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getResourceId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
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  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "resourceId",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
"name" : "ResourceId",
"setterDocumentation" : "/**\n * The ID of the resource on which the flow log was created.
 * \n * @param resourceId The ID of the resource on which the flow log was created.
 */",
"setterMethodName" : "setResourceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "resourceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the resource on which the flow log was created.
 * \n * @param resourceId The ID of the resource on which the flow log was created.
 * \n * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
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    "variableName" : "resourceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the resource on which the flow log was created.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"TrafficType" : {
    "c2jName" : "TrafficType",
    "c2jShape" : "TrafficType",
    "deprecated" : false,
    "documentation" : "<p>The type of traffic captured for the flow log.</p>",
    "enumType" : "TrafficType",
    "fluentSetterDocumentation" : "/**\n * The type of traffic captured for the flow log.
 * \n * @param trafficType The type of traffic captured for the flow log.
 * \n * @return Returns a reference to this object so that method calls can be chained together.
 * \n * @see TrafficType*/",
    "fluentSetterMethodName" : "withTrafficType",
    "getterDocumentation" : "/**\n * The type of traffic captured for the flow log.
 * \n * @return The type of traffic captured for the flow log.
 * \n * @see TrafficType*/",
    "getterMethodName" : "getTrafficType",
    "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "trafficType",
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The type of traffic captured for the flow log.</p>
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"setterMethodName" : "setTrafficType",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "</p>
The type of traffic captured for the flow log.</p>",
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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"resultWrapper" : null
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"variableName" : "flowLog",
"variableType" : "FlowLog",
"documentation" : null,
"simpleType" : "FlowLog",
"variableSetterType" : "FlowLog"
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"wrapper" : false
},
"FlowLogsResourceType" : {
"c2jName" : "FlowLogsResourceType",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [
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"name" : "VPC",
"value" : "VPC"
},
{
"name" : "Subnet",
"value" : "Subnet"
},
{
"name" : "NetworkInterface",
"value" : "NetworkInterface"
}
],
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : {},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"flattened" : false,
"resultWrapper" : null
}
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  "variableType": "FlowLogsResourceType",
  "documentation": null,
  "simpleType": "FlowLogsResourceType",
  "variableSetterType": "FlowLogsResourceType"
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"wrapper": false
},
"GatewayType": {
  "c2jName": "GatewayType",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [ {
    "name": "Ipsec1",
    "value": "ipsec.1"
  } ],
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": { },
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  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "GatewayType",
  "unmarshaller": {
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    "resultWrapper": null
  }
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  "variableName": "gatewayType",
  "variableType": "GatewayType",
  "documentation": null,
  "simpleType": "GatewayType",
  "variableSetterType": "GatewayType"
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"wrapper" : false
},
"GetConsoleOutputRequest" : {
"c2jName" : "GetConsoleOutputRequest",
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for GetConsoleOutput.</p>",
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "GetConsoleOutput",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [{
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"greedy" : false,
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The ID of the instance.</p",
"simpleType" : "String",
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@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Timestamp",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time the output was last updated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time the output was last updated.</p>
@param timestamp The time the output was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTimestamp",
"getterDocumentation" : "/**<p>The time the output was last updated.</p>
@return The time the output was last updated.*/",
"getterMethodName" : "getTimestamp",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "timestamp",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Timestamp",
"setterDocumentation" : "/**<p>The time the output was last updated.</p>
@param timestamp The time the output was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableName" : "timestamp",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The time the output was last updated.</p>
@param timestamp The time the output was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/"}
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    "variableType" : "java.util.Date",
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@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>
@return The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.*/",
"getterMethodName" : "getOutput",
"getterModel" : {
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    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "output",
    "uri" : false
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"list" : false,
"listModel" : null,
"setterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>\n@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.*/",
"setterMethodName" : "setOutput",
"setterModel" : {
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  "variableName" : "output",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.\n@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**\n@return The ID of the instance.\n*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "setterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>\n@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.*/",
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        "variableType" : "String",
        "documentation" : "",
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      "varargSetterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.\n@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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          "variableSetterType" : "String"
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        "xmlNameSpaceUri" : null
      }
    }
  }
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"isPayload" : false,
"isStreaming" : false,
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
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"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType" : "String",
"variableName" : "instanceId",
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"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Output" : {
"c2jName" : "Output",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The console output, Base64-encoded. If using a command line tool, the tool decodes"
the output for you.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool
decodes the output for you.</p>*/param output The console output, Base64-encoded. If using a command line tool, the tool
decodes the output for you.</p>
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withOutput",
"getterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool
decodes the output for you.</p>
@return The console output, Base64-encoded. If using a command line tool, the tool
decodes the output for you.*/",
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "output",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Output",
"setterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool
decodes the output for you.</p>*/param output The console output, Base64-encoded. If using a command line tool, the tool
decodes the output for you.*/",
"setterMethodName" : "setOutput",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "output",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>
@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "output",
"variableType" : "String",
"documentation" : "The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Timestamp" : {
"c2jName" : "Timestamp",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time the output was last updated.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time the output was last updated.</p>
@param timestamp The time the output was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTimestamp",
"getterDocumentation" : "/**<p>The time the output was last updated.</p>
@return The time the output was last updated.*/",
"getterMethodName" : "getTimestamp",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "Timestamp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "timestamp",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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    "variableType" : "java.util.Date",
    "documentation" : "",
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    "variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "/**\n<p>The time the output was last updated.</p>
@param timestamp The time the output was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "timestamp",
    "variableType" : "java.util.Date",
    "documentation" : "The time the output was last updated.",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetConsoleOutputResult",
"unmarshaller" : {
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    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "GetConsoleOutputResult",
    "variableName" : "getConsoleOutputResult",
    "variableType" : "GetConsoleOutputResult",
    "documentation" : null,
    "simpleType" : "GetConsoleOutputResult",
    "variableSetterType" : "GetConsoleOutputResult"
}
"wrapper" : false
],
"GetConsoleScreenshotRequest" : {
  "c2jName" : "GetConsoleScreenshotRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for the request.</p>",
  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* The ID of the instance.\n* @param instanceId The ID of the instance.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n* The ID of the instance.\n* @return The ID of the instance.*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
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      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "marshalLocationName" : null,
      "marshalPath" : null,
      "marshalTarget" : null,
      "method" : "POST",
      "needsUnmarshalling" : false,
      "payloadLocation" : null,
      "payloadName" : "InstanceId",
      "payloadNameInLowerCase" : "instanceId",
      "requestUri" : "/",
      "structure" : {
        "attributes" : {
          "InstanceId" : {
            "attributeType" : "String",
            "attributeName" : "InstanceId"
          }
        },
        "name" : "GetConsoleScreenshotRequest",
        "structureLocation" : "/GetConsoleScreenshotRequest:
        
      },
      "target" : null,
      "verb" : "POST"
    }
  }
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>\n@param wakeUp When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withWakeUp",
  "getterDocumentation" : null,
  "getterMethodName" : null,
  "getterModel" : {
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    "getterName" : "wakeUp",
    "getterType" : "Boolean",
    "documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>\n@see <code>wakeUp</code>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterSetterType" : "Boolean"
  },
  "getterSetterDocumentation" : null,
  "getterSetterMethodName" : null,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "WakeUp",
  "setterDocumentation" : null,
  "setterMethodName" : null,
  "setterModel" : null,
  "simple" : true,
  "varargSetterDocumentation" : null,
  "variable" : {
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    "variableName" : "wakeUp",
    "variableType" : "Boolean",
    "documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>\n@see <code>wakeUp</code>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variableSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null,
}
**getterDocumentation**: 

```markdown
When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.

```return

When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.

**getterMethodName**: "getWakeUp",

**getterModel**: {
    "returnType": "Boolean",
    "documentation": null
}

**http**: {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "WakeUp",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "WakeUp",
    "uri": false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "WakeUp",

**setterDocumentation**: 

```markdown
When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.

```param

When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.

**setterMethodName**: "setWakeUp",

**setterModel**: {
    "variableDeclarationType": "Boolean",
    "variableName": "wakeUp",
    "variableType": "Boolean",
    "documentation": "",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},

**simple**: true,

**varargSetterDocumentation**: 

```markdown
When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.

```return

When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.

**variable**: {
    "variableDeclarationType": "Boolean",
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"variableName" : "wakeUp",
"variableType" : "Boolean",
"documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.\</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
],
"membersAsMap" : {
"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.\</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.\</p>\n@return The ID of the instance.\*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
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"setterMethodName" : "setInstanceId",
"xmlNameSpaceUri" : null
}];
"setterModel" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"WakeUp" : {
"c2jName" : "WakeUp",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.\n@param wakeUp When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withWakeUp",
"getterDocumentation" : "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.\n@return When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>*/",
"getterMethodName" : "getWakeUp",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "WakeUp",
"uri": false
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"idempotencyToken": false,
"list": false,
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"mapModel": null,
"name": "WakeUp",
"setterDocumentation": "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>*/
@param wakeUp When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.
@return Returns a reference to this object so that method calls can be chained together."*/",
"setterMethodName": "setWakeUp",
"setterModel": {
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  "variableName": "wakeUp",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>*/
@param wakeUp When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable": {
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  "variableName": "wakeUp",
  "variableType": "Boolean",
  "documentation": "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>"",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "InstanceId" ],
"shapeName": "GetConsoleScreenshotRequest",
"unmarshaller": null,
"unmarshallLocationName": "WakeUp"}
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  "variableType": "GetConsoleScreenshotRequest",
  "documentation": null,
  "simpleType": "GetConsoleScreenshotRequest",
  "variableSetterType": "GetConsoleScreenshotRequest"
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"wrapper": false
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"GetConsoleScreenshotResult": {
  "c2jName": "GetConsoleScreenshotResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
  "documentation": "<p>Contains the output of the request.</p>",
  "enums": null,
  "errorCode": null,
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
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     "deprecated": false,
     "documentation": "<p>The ID of the instance.</p>",
     "enumType": null,
     "fluentSetterDocumentation": "/**<p>The ID of the instance.</p>
      * @param instanceId The ID of the instance.
      * @return Returns a reference to this object so that method calls can be chained together."*/",
     "fluentSetterMethodName": "withInstanceId",
     "getterDocumentation": "/**<p>The ID of the instance.</p>
      * @return The ID of the instance.
      */",
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     "getterModel": {
      "returnType": "String",
      "documentation": null
     }
    },
    "http": {
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The data that comprises the image.</p>
@param imageData The data that comprises the image.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withImageData",
"getterDocumentation" : "/**\n<p>The data that comprises the image.</p>
@return The data that comprises the
image.*",
"getterMethodName" : "getImageData",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "imageData",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageData",
"setterDocumentation" : "/**\n@param imageData The data that comprises the image.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImageData",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"variable" : {
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"membersAsMap" : {
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"documentation" : "The data that comprises the image.",
"enumType" : null,
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@returns A reference to this object so that method calls can be chained together.",
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"getterDocumentation" : "The data that comprises the image.
@returns The data that comprises the image.",
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageData",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageData",
"setterDocumentation" : "The data that comprises the image.
@returns The data that comprises the image.",
"setterMethodName" : "setImageData",
"setterModel" : {
"variableDeclarationType" : "String"
"variableName" : "imageData",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The data that comprises the image.\n**/
@param imageData The data that comprises the image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "imageData",
"variableType" : "String",
"documentation" : "The data that comprises the image.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
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"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the instance.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The ID of the instance.\n**/
@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**\n* The ID of the instance.\n**/
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "The ID of the instance.",
"simpleType" : "String",
"variableSetterType" : "String"}
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
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  "variableName" : "instanceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetConsoleScreenshotResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "GetConsoleScreenshotResult",
  "variableName" : "getConsoleScreenshotResult",
  "variableType" : "GetConsoleScreenshotResult",
  "documentation" : null,
  "simpleType" : "GetConsoleScreenshotResult",
  "variableSetterType" : "GetConsoleScreenshotResult"
}. 
"wrapper" : false
},
"GetHostReservationPurchasePreviewRequest" : {
"c2jName" : "GetHostReservationPurchasePreviewRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "GetHostReservationPurchasePreview",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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"members" : [{
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The offering ID of the reservation.</p>
@param offeringId The offering ID of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param offeringId The offering ID of the reservation.*\n\n@return Returns a reference to this object so that method calls can be chained together.*\n",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**\n@param offeringId The offering ID of the reservation.*\n\n@return The offering ID of the reservation.*\n",
"getterMethodName" : "getOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "OfferingId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "OfferingId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OfferingId",
"setterDocumentation": "/**
 * The offering ID of the reservation.
 * @param offeringId The offering ID of the reservation.
 */",
"setterMethodName": "setOfferingId",
"setterModel": {
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  "variableName": "offeringId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The offering ID of the reservation.
 * @param offeringId The offering ID of the reservation.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "offeringId",
  "variableType": "String",
  "documentation": ":<p> The offering ID of the reservation.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "HostIdSet",
  "c2jShape": "RequestHostIdSet",
  "deprecated": false,
  "documentation": ":<p> The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
  "enumName": "null",
  "fluentSetterDocumentation": "/**
 * The ID/s of the Dedicated Host/s that the reservation will be associated with.
 * @param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated
"}
"getterDocumentation" : "/**
 * The ID/s of the Dedicated Host/s that the reservation will be associated with.
 * @return The ID/s of the Dedicated Host/s that the reservation will be associated with.
 */

"getterMethodName" : "getHostIdSet",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "HostIdSet",
  "uri" : false
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"idempotencyToken" : false,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * @param member \n * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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@param member */",
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"setterModel" : {
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  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**
   * The ID/s of the Dedicated Host/s that the reservation will be associated
   * with.
   *
   * @param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated
   * with.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
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"setterModel" : {
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   "variableName" : "hostIdSet",
   "variableType" : "java.util.List<String>",
   "documentation" : "",
   "simpleType" : "List<String>",
   "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**
    * The ID/s of the Dedicated Host/s that the reservation will be associated
    * with.
    *
    * <b>NOTE:</b> This method appends the values to the existing list (if any). Use [link
    #setHostIdSet(java.util.Collection)] or [link
    #withHostIdSet(java.util.Collection)] if you want to override the
    existing values.
    *
    * @param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated
    * with.
    * @return Returns a reference to this object so that method calls can be chained together.
    */",
"variable" : {
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   "variableName" : "hostIdSet",
   "variableType" : "java.util.List<String>",
   "documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated
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   "simpleType" : "List<String>",
   "variableSetterType" : "java.util.Collection<String>
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"xmlnsNameSpaceUri" : null
} ]
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   "c2jName" : "HostIdSet",
   "c2jShape" : "RequestHostIdSet",
   "deprecated" : false,
   "documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated
   with.
   "enumType" : null,
   "fluentSetterDocumentation" : "/**
    * The ID/s of the Dedicated Host/s that the reservation will be associated
    * with.
    *
    * @param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated
    * with.
    * @return Returns a reference to this object so that method calls can be chained together.
    */",
   "fluentSetterMethodName" : "withHostIdSet",
   "getterDocumentation" : "/**
    * The ID/s of the Dedicated Host/s that the reservation will be associated
    * with.
    *
    * @return The ID/s of the Dedicated Host/s that the reservation will be associated
    * with.
    */",
   "getterMethodName" : "getHostIdSet",
   "simpleType" : "String",
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   "templateType" : "java.util.List<String>
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"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostIdSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "HostIdSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns\n\n@return\n\nReturns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
}
}

"marshallLocationName" : "Item",
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"unmarshallLocationName" : "item",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
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"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/*/",
"variable" : {
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**\n<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setHostIdSet(java.util.Collection)} or \{@link #withHostIdSet(java.util.Collection)\} if you want to override the existing values.\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
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"OfferingId" : {
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The offering ID of the reservation.</p>
@param offeringId The offering ID of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**\n<p>The offering ID of the reservation.</p>
@return The offering ID of the reservation.*/",
"getterMethodName" : "getOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The offering ID of the reservation.</p>
@param offeringId The offering ID of the reservation.*/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The offering ID of the reservation.</p>
@param offeringId The offering ID of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "<p>The offering ID of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "OfferingId", "HostIdSet" ],
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The offering ID of the reservation.</p>
@param offeringId The offering ID of the reservation.*/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The offering ID of the reservation.</p>
@param offeringId The offering ID of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "<p>The offering ID of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]
"shapeName" : "GetHostReservationPurchasePreviewRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "GetHostReservationPurchasePreviewRequest",
  "variableName" : "getHostReservationPurchasePreviewRequest",
  "variableType" : "GetHostReservationPurchasePreviewRequest",
  "documentation" : null,
  "simpleType" : "GetHostReservationPurchasePreviewRequest",
  "variableSetterType" : "GetHostReservationPurchasePreviewRequest"
},
"wrapper" : false
},
"GetHostReservationPurchasePreviewResult" : {
  "c2jName" : "GetHostReservationPurchasePreviewResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Purchase",
      "c2jShape" : "PurchaseSet",
      "deprecated" : false,
      "documentation" : "The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.

      /**<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
      @param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
      @return Returns a reference to this object so that method calls can be chained together.*/

      public Purchase getPurchase()
      {
        return this.purchase;
      }
      public GetHostReservationPurchasePreviewResult withPurchase(Purchase purchase)
      {
        this.purchase = purchase;
        return this;
      }
      "enumType" : null,
      "fluentSetterDocumentation" : "The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.

      /**<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
      @param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
      @return Returns a reference to this object so that method calls can be chained together.*/

      public GetHostReservationPurchasePreviewResult withPurchase(Purchase purchase)
      {
        this.purchase = purchase;
        return this;
      }
      "getterDocumentation" : "The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.

      /**<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
      @param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
      @return Returns a reference to this object so that method calls can be chained together.*/

      public Purchase getPurchase()
      {
        return this.purchase;
      }
      "getterMethodName" : "getPurchase",
      "getterModel" : {
        "returnType" : "java.util.List<Purchase>",
        "documentation" : null
      }
    }
  ],
  "wrapper" : false
}
"http": {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocationName" : "Purchase",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "purchase",  
  "uri" : false  
},  
"idempotencyToken" : false,  
"list" : true,  
"listModel" : {  
  "implType" : "com.amazonaws.internal.SdkInternalList",  
  "interfaceType" : "java.util.List",  
  "listMemberModel" : {  
    "c2jName" : "member",  
    "c2jShape" : "Purchase",  
    "deprecated" : false,  
    "documentation" : "",  
    "enumType" : null,  
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",  
    "fluentSetterMethodName" : "withMember",  
    "getterDocumentation" : "@return \ngetter MethodName" : "getMember",  
    "getterModel" : {  
      "ReturnType" : "Purchase",  
      "documentation" : null  
    },  
    "http" : {  
      "additionalMarshallingPath" : null,  
      "additionalUnmarshallingPath" : null,  
      "flattened" : false,  
      "greedy" : false,  
      "header" : false,  
      "isPayload" : false,  
      "isStreaming" : false,  
      "location" : null,  
      "marshallLocationName" : "member",  
      "queryString" : false,  
      "statusCode" : false,  
      "uri" : false  
    }  
  }  
}
“marshallLocationName”: “member”,
“uri”: false
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“idempotencyToken”: false,
“list”: false,
“listModel”: null,
“map”: false,
“mapModel”: null,
“name”: “Member”,
“setterDocumentation”: “/**
@param member */”,
“setterMethodName”: “setMember”,
“setterModel”: {
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“variableName”: “member”,
“variableType”: “Purchase”,
“documentation”: “”,
“simpleType”: “Purchase”,
“variableSetterType”: “Purchase”
},
“simple”: false,
“varargSetterDocumentation”: “/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/”,
“variable”: {
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“variableName”: “member”,
“variableType”: “Purchase”,
“documentation”: “”,
“simpleType”: “Purchase”,
“variableSetterType”: “Purchase”
},
“xmlNameSpaceUri”: null
},
“memberLocationName”: null,
“memberType”: “Purchase”,
“map”: false,
“marshallNonAutoConstructedEmptyLists”: false,
“memberAdditionalMarshallingPath”: null,
“memberAdditionalUnmarshallingPath”: null,
“sendEmptyQueryString”: false,
“simple”: false,
“simpleType”: “Purchase”,
“templateImplType”: “com.amazonaws.internal.SdkInternalList<Purchase>”,
“templateType”: “java.util.List<Purchase>”
},
“map”: false,
“mapModel”: null,
“name”: “Purchase”,
“setterDocumentation”: “/**<p>The purchase information of the Dedicated Host Reservation and the
Dedicated Host Reservation and the Dedicated Hosts associated with it.\n@param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.*/

"setterMethodName" : "setPurchase",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
  "variableName" : "purchase",
  "variableType" : "java.util.List<Purchase>",
  "documentation" : "",
  "simpleType" : "List<Purchase>",
  "variableSetterType" : "java.util.Collection<Purchase>
  
  "simple" : false,
  "varargSetterDocumentation" : "/**\n   * The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.\n   */
   
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
    "variableName" : "purchase",
    "variableType" : "java.util.List<Purchase>",
    "documentation" : "<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p>
    "simpleType" : "List<Purchase>",
    "variableSetterType" : "java.util.Collection<Purchase>
  
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * The potential total upfront price. This is billed immediately.</p>
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  "getterDocumentation" : "/**\n   * The potential total upfront price. This is billed immediately.</p>
   "getterMethodName" : "getTotalUpfrontPrice",
  "getterModel" : {
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    "documentation" : null
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  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together. */",
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@return Returns a reference to this object so that method calls can be chained together. */",
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"enumType" : "CurrencyCodeValues",
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@see CurrencyCodeValues*/",
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"getterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>
@return The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. </p>@see CurrencyCodeValues*/",
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The currency in which the `<code>totalUpfrontPrice</code>` and `<code>totalHourlyPrice</code>` amounts are specified. At this time, the only supported currency is `<code>USD</code>`.

@Param currencyCode The currency in which the `<code>totalUpfrontPrice</code>` and `<code>totalHourlyPrice</code>` amounts are specified. At this time, the only supported currency is `<code>USD</code>`.

@Return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/

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"setterModel" : {
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  "variableType" : "Purchase",
  "documentation" : "",
  "simpleType" : "Purchase",
  "variableSetterType" : "Purchase"
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@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableType" : "Purchase",
  "documentation" : "",
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"templateType" : "java.util.List<Purchase>"
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"map" : false,
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"name" : "Purchase",
"setterDocumentation" : "/**\n<p>The purchase information of the Dedicated Host Reservation and the
Dedicated Hosts associated with it.</p>*/
@param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
@return The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it. */",
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"documentation" : "",
"simpleType" : "List<Purchase>",
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p>
<p>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setPurchase(java.util.Collection)] or [@link #withPurchase(java.util.Collection)] if you want to override the existing values.</p>
@param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  <p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p>

  @param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The potential total hourly price of the reservation per hour.

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  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
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  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTotalHourlyPrice",
  "getterDocumentation" : "/**<p>The potential total hourly price of the reservation per hour.</p>

  @return The potential total hourly price of the reservation per hour.*/",
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"variableSetterType": "String"
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  "documentation" : "<p>The potential total upfront price. This is billed immediately.</p>"
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    "idempotencyToken": false,
    "list": false,
    "listModel": null
  }
}
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the Windows instance.</p>
@param instanceId The ID of the Windows instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Windows instance.</p>
@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "The ID of the Windows instance.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId" ],
"shapeName" : "GetPasswordDataRequest",
"unmarshaller" : null,
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  "variableDeclarationType" : "GetPasswordDataRequest",
  "variableName" : "getPasswordDataRequest",
  "variableType" : "GetPasswordDataRequest",
  "documentation" : null,
  "simpleType" : "GetPasswordDataRequest",
  "variableSetterType" : "GetPasswordDataRequest"
},
"wrapper" : false
},
"GetPasswordDataResult" : {
  "c2jName" : "GetPasswordDataResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of GetPasswordData.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Windows instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ID of the Windows instance.</p><p>@param instanceId The ID of the Windows instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/*<p>The ID of the Windows instance.</p><p>@return The ID of the Windows instance.</p>*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "InstanceId",
"setterDocumentation": "/**\n<p>The ID of the Windows instance.\n@param instanceId The ID of the Windows instance.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the Windows instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "\n<p>The ID of the Windows instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Timestamp",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "\n<p>The time the data was last updated.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The time the data was last updated.</p>
@param timestamp The time the data was last updated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withTimestamp",
"getterDocumentation": "/**\n<p>The time the data was last updated.\n@return The time the data was last updated.*/",
"getterMethodName": "getTimestamp",
"getterModel": {
  "returnType": "java.util.Date",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Timestamp",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "timestamp",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Timestamp",
"setterDocumentation": "/**
 * The time the data was last updated.
 * @param timestamp The time the data was last updated.
 */",
"setterMethodName": "setTimestamp",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "timestamp",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The time the data was last updated.
 * @param timestamp The time the data was last updated.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "timestamp",
  "variableType": "java.util.Date",
  "documentation": "The time the data was last updated.
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null,
"c2jName": "PasswordData",
"c2jShape": "String",
"deprecated": false,
"documentation": "/**
The password of the instance.
 * @param passwordData The password of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterDocumentation": "/**
The password of the instance.
 * @param passwordData The password of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"fluentSetterMethodName": "withPasswordData",
"enumType": null,
"fluentSetterDocumentation": "/**
The password of the instance.
 * @param passwordData The password of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"fluentSetterMethodName": "withPasswordData",
"enumType": null,
"fluentSetterDocumentation": "/**
The password of the instance.
 * @param passwordData The password of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"fluentSetterMethodName": "withPasswordData"};
"getterDocumentation" : "/**\n<p>The password of the instance.</p>\n@return The password of the instance.*/",
"getterMethodName" : "getPasswordData",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PasswordData",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "passwordData",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n<p>The password of the instance.</p>\n@param passwordData The password of
the instance.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"setterMethodName" : "setPasswordData",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "passwordData",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n<p>The password of the instance.</p>\n@param passwordData The password of the instance.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the Windows instance.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The ID of the Windows instance.
    @param instanceId The ID of the Windows instance.
    @return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "The ID of the Windows instance.
    @return The ID of the Windows instance."",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "instanceId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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    "setterDocumentation" : "The ID of the Windows instance.
    @param instanceId The ID of the Windows instance.
    @return Returns a reference to this object so that method calls can be chained together."",
    "setterMethodName" : "setInstanceId",
    "setterModel" : {
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      "variableName" : "instanceId",
      "variableSetterType" : "String"
    }
  }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : " */ *<p>The ID of the Windows instance.</p>
@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the Windows instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"PasswordData" : {
  "c2jName" : "PasswordData",
  "c2jShape" : "String",
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  "documentation" : "<p>The password of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : " */ *<p>The password of the instance.</p>
@param passwordData The password of the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withPasswordData",
  "getterDocumentation" : " */ *<p>The password of the instance.</p>
@return The password of the instance. */",
  "getterMethodName" : "getPasswordData",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "passwordData",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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  "simple" : true,
  "varargSetterDocumentation" : " */ *<p>The ID of the Windows instance.</p>
@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableType" : "String",
    "documentation" : "<p>The ID of the Windows instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
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  "PasswordData" : {
    "c2jName" : "PasswordData",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The password of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : " */ *<p>The password of the instance.</p>
@param passwordData The password of the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withPasswordData",
    "getterDocumentation" : " */ *<p>The password of the instance.</p>
@return The password of the instance. */",
    "getterMethodName" : "getPasswordData",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "PasswordData",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "passwordData",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PasswordData",
"setterDocumentation" : "/**<p>The password of the instance.</p>
@param passwordData The password of
the instance.*/",
"setterMethodName" : "setPasswordData",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "passwordData",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The password of the instance.</p>
@param passwordData The password of
the instance.\n@return Returns a reference to this object so that method calls can be chained
 together.*/",
"variable" : {
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 "variableName" : "passwordData",
 "variableType" : "String",
 "documentation" : "<p>The password of the instance.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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 "c2jName" : "Timestamp",
 "c2jShape" : "DateTime",
 "deprecated" : false,
 "documentation" : "<p>The time the data was last updated.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlnsSpaceUri" : null
},
"Timestamp" : {
 "c2jName" : "Timestamp",
 "c2jShape" : "DateTime",
 "deprecated" : false,
 "documentation" : "<p>The time the data was last updated.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The time the data was last updated.</p>
@param timestamp The time the data was last updated.\n@return Returns a reference to this object so that method calls can be chained
 together.*/",
 "fluentSetterMethodName" : "withTimestamp",
 "getterDocumentation" : "/**<p>The time the data was last updated.</p>
@return The time the data was last updated.*/",
 "getMethodName" : "getTimestamp",
 "getModel" : {
 "returnType" : "java.util.Date",
}
"documentation" : null,
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Timestamp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "timestamp",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Timestamp",
"setterDocumentation" : "/**<p>The time the data was last updated.</p>
@param timestamp The time the data was last updated.*/",
"setterMethodName" : "setTimestamp",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "timestamp",
  "variableType" : "java.util.Date",
  "documentation" : ",",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "The time the data was last updated.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "timestamp",
  "variableType" : "java.util.Date",
  "documentation" : "The time the data was last updated.",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetPasswordDataResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "GetPasswordDataResult",
  "variableName" : "getPasswordDataResult",
  "variableType" : "GetPasswordDataResult",
  "documentation" : null,
  "simpleType" : "GetPasswordDataResult",
  "variableSetterType" : "GetPasswordDataResult"
},
"wrapper" : false
},
"GetReservedInstancesExchangeQuoteRequest" : {
  "c2jName" : "GetReservedInstancesExchangeQuoteRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for GetReservedInstanceExchangeQuote.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "GetReservedInstancesExchangeQuote",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "ReservedInstanceIds",
    "c2jShape" : "ReservedInstanceIdSet",
    "deprecated" : false,
    "documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange.</p>",
  }]
},
"GetReservedInstancesExchangeQuoteResponse" : {
  "c2jName" : "GetReservedInstancesExchangeQuoteResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the result for GetReservedInstanceExchangeQuote. The result contains the information about the reserved instances being exchanged. This result does not have a value, and therefore no method is required to get it. The result will always be null. For more information on how to exchange reserved instances, please refer to the documentation at: <a href="#">Exchange Reserved Instances</a>.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "GetReservedInstancesExchangeQuote",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "GetReservedInstancesExchangeQuoteResponse", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 6605
The IDs of the Convertible Reserved Instances to exchange.

```java
public String withReservedInstanceIds(List<String> reservedInstanceIds) {
    // implementation
    return null;
}
```

```java
public List<String> getReservedInstanceIds() {
    return null;
}
```

The IDs of the Convertible Reserved Instances to exchange.

```java
public String getMember() {
    return null;
}
```

```java
public String withMember(String member) {
    // implementation
    return null;
}
```
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  " variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceIds",
"setterDocumentation" : "/**\n * The IDs of the Convertible Reserved Instances to exchange.\n */
@param
reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.*/
,"setterMethodName" : "setReservedInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The IDs of the Convertible Reserved Instances to exchange.\n */
@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.*/
@return Returns a reference to this object so that method calls can be chained together.*/
,"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the Convertible Reserved Instances to exchange.*",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TargetConfigurations",
"c2jShape" : "TargetConfigurationRequestSet",
"deprecated" : false,
"documentation" : "The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.*",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.*
 */
@param targetConfigurations The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.*
@return Returns a reference to this object so that method calls can be chained together.*/
,"fluentSetterMethodName" : "withTargetConfigurations",}
"getterDocumentation" : "/**<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>

@return The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.*/",
"getterMethodName" : "getTargetConfigurations",
"getterModel" : {
  "returnType" : "java.util.List<TargetConfigurationRequest>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TargetConfiguration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TargetConfiguration",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "TargetConfigurationRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n  * @param member \n  * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n  * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "TargetConfigurationRequest",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfigurationRequest",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetConfigurationRequest",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "TargetConfigurationRequest",
 "variableName" : "member",
 "variableType" : "TargetConfigurationRequest",
 "documentation" : "",
 "simpleType" : "TargetConfigurationRequest",
 "variableSetterType" : "TargetConfigurationRequest"
 },
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "TargetConfigurationRequest",
 "variableName" : "member",
 "variableType" : "TargetConfigurationRequest",
 "documentation" : "",
 "simpleType" : "TargetConfigurationRequest",
 "variableSetterType" : "TargetConfigurationRequest"
 },
"xmlNameSpaceUri" : null
},
"memberLocationName" : "TargetConfigurationRequest",
"memberType" : "TargetConfigurationRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TargetConfigurationRequest",}
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
"templateType" : "java.util.List<TargetConfigurationRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurations",
"setterDocumentation" : "/**<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>
@param targetConfigurations The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.*/",
"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<TargetConfigurationRequest>",
  "documentation" : "",
  "simpleType" : "List<TargetConfigurationRequest>",
  "variableSetterType" : "java.util.Collection<TargetConfigurationRequest>"
  
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>
@param targetConfigurations The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<TargetConfigurationRequest>",
  "documentation" : "p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
  
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ReservedInstanceIds" : {
    "c2jName" : "ReservedInstanceIds",
    "c2jShape" : "ReservedInstanceIdSet",
    "deprecated" : false,
    "documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IDs of the Convertible Reserved Instances to exchange.</p>
  @param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.
  @return Returns a reference to this object so that method calls can be chained together.*/",
    
  }"
"getterDocumentation" : "/**<p>The IDs of the Convertible Reserved Instances to exchange.</p>
@return
The IDs of the Convertible Reserved Instances to exchange.</p>*/",
"getterMethodName" : "getReservedInstanceIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedInstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstanceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "ReservedInstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String","Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 6613
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceIds",
"setterDocumentation" : "/**<p>The IDs of the Convertible Reserved Instances to exchange.</p>
@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.*/",
"setterMethodName" : "setReservedInstanceIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "reservedInstanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "simple" : false,
    "varargSetterDocumentation" : "<p>The IDs of the Convertible Reserved Instances to exchange.</p>
   <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [<@link setReservedInstanceIds(java.util.Collection) or [@link withReservedInstanceIds(java.util.Collection)] if you want to override the existing values.</p>
   <p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "reservedInstanceIds",
        "variableType" : "java.util.List<String>",
        "documentation" : <p>The IDs of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>
    },
    "xmlNameSpaceUri" : null
},
"TargetConfigurations" : {
    "c2jName" : "TargetConfigurations",
    "c2jShape" : "TargetConfigurationRequestSet",
    "deprecated" : false,
    "documentation" : "<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>
   <p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withTargetConfigurations",
    "getterDocumentation" : "<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>
   <p>@return The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>
   <p>@return The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.*/",
"getterMethodName" : "getTargetConfigurations",
"getterModel" : {
    "returnType" : "java.util.List<
TargetConfigurationRequest>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TargetConfiguration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "TargetConfiguration",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "TargetConfigurationRequest",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "@param member @return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "TargetConfigurationRequest",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
"location": null,
"marshallLocationName": "TargetConfigurationRequest",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "TargetConfigurationRequest",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "TargetConfigurationRequest",
  "variableName": "member",
  "variableType": "TargetConfigurationRequest",
  "documentation": "",
  "simpleType": "TargetConfigurationRequest",
  "variableSetterType": "TargetConfigurationRequest"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "TargetConfigurationRequest",
  "variableName": "member",
  "variableType": "TargetConfigurationRequest",
  "documentation": "",
  "simpleType": "TargetConfigurationRequest",
  "variableSetterType": "TargetConfigurationRequest"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "TargetConfigurationRequest",
"memberType": "TargetConfigurationRequest",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "TargetConfigurationRequest",
"templateImplType": "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
"templateType": "java.util.List<TargetConfigurationRequest>"
The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.

```java
public class GetReservedInstancesExchangeQuoteRequest {
    private List<TargetConfigurationRequest> targetConfigurations;
    //...
}
```

The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.

```java
public void setTargetConfigurations(List<TargetConfigurationRequest> targetConfigurations) {
    this.targetConfigurations = targetConfigurations;
}
```

This method appends the values to the existing list (if any). Use `setTargetConfigurations(java.util.Collection)` or `withTargetConfigurations(java.util.Collection)` if you want to override the existing values.

```java
public List<TargetConfigurationRequest> getTargetConfigurations() {
    return this.targetConfigurations;
}
```

The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.

```java
public void varargSetTargetConfigurations(List<TargetConfigurationRequest>... targetConfigurations) {
    this.targetConfigurations.addAll(Arrays.asList(targetConfigurations));
}
```

This method appends the values to the existing list (if any). Use `varargSetTargetConfigurations(List<TargetConfigurationRequest>...)` if you want to override the existing values.

```java
public List<TargetConfigurationRequest> varargGetTargetConfigurations() {
    return new ArrayList<>(this.targetConfigurations);
}
```
"GetReservedInstancesExchangeQuoteResult" : {
  "c2jName" : "GetReservedInstancesExchangeQuoteResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of GetReservedInstancesExchangeQuote.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "ReservedInstanceValueSet",
      "c2jShape" : "ReservedInstanceReservationValueSet",
      "deprecated" : false,
      "documentation" : "<p>The configuration of your Convertible Reserved Instances.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n<p>The configuration of your Convertible Reserved Instances.</p>
@\n@param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withReservedInstanceValueSet",
      "getterDocumentation" : "/**<p>The configuration of your Convertible Reserved Instances.</p>
\n@return The configuration of your Convertible Reserved Instances.*/",
      "getterMethodName" : "getReservedInstanceValueSet",
      "getterModel" : {
        "returnType" : "java.util.List<ReservedInstanceReservationValue>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ReservedInstanceValueSet",
        "queryString" : false,
      }
    }
  ]
}
"statusCode" : false,
"unmarshallLocationName" : "reservedInstanceValueSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ReservedInstanceReservationValue",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ReservedInstanceReservationValue",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
*/",
"setterMethodName" : "setMember",
"setterModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ReservedInstanceReservationValue",
"deprecated" : false,
"documentation" : ",",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ReservedInstanceReservationValue",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"variableDeclarationType" : "ReservedInstanceReservationValue",
"variableName" : "member",
"variableType" : "ReservedInstanceReservationValue",
"documentation" : "",
"simpleType" : "ReservedInstanceReservationValue",
"variableSetterType" : "ReservedInstanceReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ReservedInstanceReservationValue",
"variableName" : "member",
"variableType" : "ReservedInstanceReservationValue",
"documentation" : "",
"simpleType" : "ReservedInstanceReservationValue",
"variableSetterType" : "ReservedInstanceReservationValue"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstanceReservationValue",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstanceReservationValue",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
"templateType" : "java.util.List<ReservedInstanceReservationValue>
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceValueSet",
"setterDocumentation" : "/**<p>The configuration of your Convertible Reserved Instances.</p>
@param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.</p>*/",
"setterMethodName" : "setReservedInstanceValueSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
"variableName" : "reservedInstanceValueSet",
"variableType" : "java.util.List<ReservedInstanceReservationValue>",
"documentation" : "",
"simpleType" : "List<ReservedInstanceReservationValue>",
"variableSetterType" : "java.util.Collection<ReservedInstanceReservationValue>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration of your Convertible Reserved

Instances.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstanceValueSet(java.util.Collection)} or {@link #withReservedInstanceValueSet(java.util.Collection)} if you want to override the existing values.

```java
@param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/
```

```java
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
  "variableName": "reservedInstanceValueSet",
  "variableType": "java.util.List<ReservedInstanceReservationValue>",
  "documentation": "The configuration of your Convertible Reserved Instances."
},
"xmlNameSpaceUri": null
},
"c2jName": "ReservedInstanceValueRollup",
"c2jShape": "ReservationValue",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
\n@param reservedInstanceValueRollup
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReservedInstanceValueRollup",
"getterDocumentation": "/**
\n@return */",
"getterMethodName": "getReservedInstanceValueRollup",
"getterModel": {
  "returnType": "ReservationValue",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ReservedInstanceValueRollup",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "reservedInstanceValueRollup",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
```

---

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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfigurationValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetConfigurationValueSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "TargetReservationValue",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "TargetReservationValue",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
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      "greedy" : false,
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      "unmarshallLocationName" : "item",
      "uri" : false
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    "map" : false,
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"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "TargetReservationValue",
  "documentation": "",
  "simpleType": "TargetReservationValue",
  "variableSetterType": "TargetReservationValue"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "TargetReservationValue",
  "variableName": "member",
  "variableType": "TargetReservationValue",
  "documentation": "",
  "simpleType": "TargetReservationValue",
  "variableSetterType": "TargetReservationValue"
},
"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "TargetReservationValue",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
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"sendEmptyQueryString": false,
"simple": false,
"simpleType": "TargetReservationValue",
"templateImplType": "com.amazonaws.internal.SdkInternalList<TargetReservationValue>",
"templateType": "java.util.List<TargetReservationValue>"
},
"map": false,
"mapModel": null,
"name": "TargetConfigurationValueSet",
"setterDocumentation": "/**\n@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.*/",
"setterMethodName": "setTargetConfigurationValueSet",
"setterModel": {
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  "variableName": "targetConfigurationValueSet",
  "variableType": "java.util.List<TargetReservationValue>",
  "documentation": "",
  "simpleType": "List<TargetReservationValue>",
  "simple": false,
  "variableSetterType": "TargetReservationValue"
},
"simple": false,
"simpleType": "TargetReservationValue"
"variableSetterType" : "java.util.Collection<TargetReservationValue>",
"simple" : false,
"varargSetterDocumentation" : "/*\n<p>The values of the target Convertible Reserved
Instances.</p><b>NOTE:</b>This method appends the values to the existing list (if any). Use \{ @link
#setTargetConfigurationValueSet(java.util.Collection) \} or \{ @link
#withTargetConfigurationValueSet(java.util.Collection) \} if you want to override the existing values.\n
@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "targetConfigurationValueSet",
"variableType" : "java.util.List<TargetReservationValue>",
"documentation" : "The values of the target Convertible Reserved Instances.",
"simpleType" : "List<TargetReservationValue>",
"variableSetterType" : "java.util.Collection<TargetReservationValue>"
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"xmlNameSpaceUri" : null
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"c2jName" : "TargetConfigurationValueRollup",
"c2jShape" : "ReservationValue",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/*\n@param targetConfigurationValueRollup \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetConfigurationValueRollup",
"getterDocumentation" : "/*\n@return */",
"getterMethodName" : "getTargetConfigurationValueRollup",
"getterModel" : {
"returnType" : "ReservationValue",
"documentation" : null
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"header" : false,
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"isStreaming" : false,
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"uri" : false
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/** @param targetConfigurationValueRollup */",
"setterMethodName" : "setTargetConfigurationValueRollup",
"setterModel" : {
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  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
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"simple" : false,
"varargsSetterDocumentation" : "/** @param targetConfigurationValueRollup \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "targetConfigurationValueRollup",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
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"xmlNameSpaceUri" : null
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"c2jName" : "PaymentDue",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The total true upfront charge for the exchange.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@param paymentDue The total true upfront charge for the exchange.</param>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPaymentDue",
"getterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@return The total true upfront charge for the exchange. */",
"getterMethodName" : "getPaymentDue",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentDue",
"setterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@param paymentDue The total true upfront charge for the exchange.</param>*/",
"setterMethodName" : "setPaymentDue",
"setterModel" : {
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  "variableName" : "paymentDue",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@param paymentDue The total true upfront charge for the exchange.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "paymentDue",
  "variableType" : "String",
  "documentation" : ""<p>The total true upfront charge for the exchange.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : ""<p>The currency of the transaction.</p>",
"enumType" : null,
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "The currency of the transaction.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "OutputReservedInstancesWillExpireAt",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The new end date of the reservation term.",
"enumType" : null,
"fluentSetterDocumentation" : "The new end date of the reservation term."

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getterDocumentation" : "The new end date of the reservation term.",
"getterMethodName" : "getOutputReservedInstancesWillExpireAt",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OutputReservedInstancesWillExpireAt",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "outputReservedInstancesWillExpireAt",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"setterModel" : {
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"documentation" : null
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    "variableName" : "outputReservedInstancesWillExpireAt",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@param outputReservedInstancesWillExpireAt The new end date of the reservation term.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The new end date of the reservation term.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
@return If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.*/",
"getterMethodName" : "getIsValidExchange",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
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"http" : {
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IsValidExchange",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IsValidExchange",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsValidExchange",
"setterDocumentation" : "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>/**\n@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIsValidExchange",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "isValidExchange",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>/n@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Boolean",
  "documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "ValidationFailureReason",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Describes the reason why the exchange cannot be completed.</p>",
  "enumType" : null,
"variableDeclarationType": "String",
"variableName": "validationFailureReason",
"variableType": "String",
"documentation": "<p>Describes the reason why the exchange cannot be completed.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"membersAsMap": {
"CurrencyCode": {
"c2jName": "CurrencyCode",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The currency of the transaction.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The currency of the transaction.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCurrencyCode",
"getterDocumentation": "/**<p>The currency of the transaction.</p>@return The currency of the transaction.*/",
"getterMethodName": "getCurrencyCode",
"getterModel": {
"returnType": "String",
"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "currencyCode",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CurrencyCode"
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@param currencyCode The currency of the transaction.</*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "currencyCode",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency of the transaction.</p>
@param currencyCode The currency of the transaction.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "currencyCode",
    "variableType" : "String",
    "documentation" : "<p>The currency of the transaction.</p>
"simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"IsValidExchange" : {
    "c2jName" : "IsValidExchange",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
"enumType" : null,
    "fluentSetterDocumentation" : "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
     "getIsValidExchange" : {
     "c2jName" : "getIsValidExchange",
    "c2jShape" : "Boolean",
    "returnType" : "Boolean",
    "documentation" : null
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   "http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IsValidExchange",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsValidExchange",
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 */
@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "isValidExchange",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
 */
@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableType" : "Boolean",
  "documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
"simple" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlnsNameSpaceUri" : null
},
"OutputReservedInstancesWillExpireAt" : {
"c2jName" : "OutputReservedInstancesWillExpireAt",
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OutputReservedInstancesWillExpireAt",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OutputReservedInstancesWillExpireAt",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OutputReservedInstancesWillExpireAt",
"setterDocumentation" : "/**\n * If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
 */
@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together. */",
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"setterModel" : {
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  "variableName" : "outputReservedInstancesWillExpireAt",
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  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
 */
@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "outputReservedInstancesWillExpireAt",
  "variableType" : "Boolean",
  "documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
"simple" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlnsNameSpaceUri" : null
}
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The new end date of the reservation term.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@param outputReservedInstancesWillExpireAt The new end date of the reservation term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOutputReservedInstancesWillExpireAt",
"getterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@return The new end date of the reservation term.
*/",
"getterMethodName" : "getOutputReservedInstancesWillExpireAt",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OutputReservedInstancesWillExpireAt",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "outputReservedInstancesWillExpireAt",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OutputReservedInstancesWillExpireAt",
"setterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@param outputReservedInstancesWillExpireAt The new end date of the reservation term.
*/",
"setterMethodName" : "setOutputReservedInstancesWillExpireAt",
"setterModel" : {
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"variableName" : "outputReservedInstancesWillExpireAt",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The new end date of the reservation term.\n*@param\noutputReservedInstancesWillExpireAt The new end date of the reservation term.\n*@return Returns a reference to this object so that method calls can be chained together.\n*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "outputReservedInstancesWillExpireAt",
"variableType" : "java.util.Date",
"documentation" : "<p>The new end date of the reservation term.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"PaymentDue" : {
"c2jName" : "PaymentDue",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The total true upfront charge for the exchange.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n*p>The total true upfront charge for the exchange.\n*@param\npaymentDue The total true upfront charge for the exchange.\n*@return Returns a reference to this object so that method calls can be chained together.\n*/",
"fluentSetterMethodName" : "withPaymentDue",
"getterDocumentation" : "/**\n*p>The total true upfront charge for the exchange.\n*@return The total true upfront charge for the exchange.\n*/",
"getterMethodName" : "getPaymentDue",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PaymentDue",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "paymentDue",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentDue",
"setterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@param paymentDue The total true upfront charge for the exchange.</p>*/",
"setterMethodName" : "setPaymentDue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentDue",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@param paymentDue The total true upfront charge for the exchange.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType": "ReservationValue"
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@return Returns a reference to
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  "c2jShape": "ReservedInstanceReservationValueSet",
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  "variableName": "member",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterMethodName" : "setReservedInstanceValueSet",
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"variableName" : "reservedInstanceValueSet",
"variableType" : "java.util.List<ReservedInstanceReservationValue>",
"documentation" : "",
"simpleType" : "List<ReservedInstanceReservationValue>",
"variableSetterType" : "java.util.Collection<ReservedInstanceReservationValue>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration of your Convertible Reserved
Instances.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setReservedInstanceValueSet(java.util.Collection)] or [@link
#withReservedInstanceValueSet(java.util.Collection)] if you want to override the existing values.</p>@return Returns a reference to this object so that method calls can be chained together.*\*/",
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
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"getterDocumentation" : "/**\n@return *
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"getterMethodName" : "getTargetConfigurationValueRollup",
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"returnType" : "ReservationValue",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that
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 * The values of the target Convertible Reserved Instances.
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"variableSetterType" : "java.util.Collection<TargetReservationValue>",

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 * The values of the target Convertible Reserved Instances.
 * <p>Note: This method appends the values to the existing list (if any). Use {
 * @link #setTargetConfigurationValueSet(java.util.Collection)} or {
 * @link #withTargetConfigurationValueSet(java.util.Collection)} if you want to override the existing values.
 */",
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"documentation" : "The values of the target Convertible Reserved Instances.
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"simpleType" : "List<TargetReservationValue>",
"variableSetterType" : "java.util.Collection<TargetReservationValue>",

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  "deprecated" : false,
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  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
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"enumType" : null,
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\* The name of the security group.
\* @param groupName The name of the security group.
\* @return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**
\* The name of the security group.
\* @return The name of the security group.
*/",
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\* The name of the security group.
\* @param groupName The name of the security group.
\* @return Returns a reference to this object so that method calls can be chained together.
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\* @param groupName The name of the security group.
\* @return Returns a reference to this object so that method calls can be chained together.
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  "simpleType" : "String",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>
@returns {string} The ID of the security group.
*/
@returns {string} The ID of the security group.*/
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    "statusCode" : false,
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  "map" : false,
  "mapModel" : null,
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@returns {string} The ID of the security group.*/
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  "variableSetterType" : "String"
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@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The ID of the security group.</p>
@return The ID of the security group.*/",
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    "variableSetterType" : "String"
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@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*"",
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    "variableSetterType" : "String"
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    "c2jShape" : "String",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*"",
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    "getterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return The name of the security group.*"",
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"documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupName",
  "uri" : false
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"listModel" : null,
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"mapModel" : null,
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"setterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The name of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "resultWrapper" : null
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  "variableName" : "groupIdentifier",
  "variableType" : "GroupIdentifier",
  "documentation" : null,
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
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  },
  "deprecated" : false,
  "documentation" : "<p>Describes an event in the history of the Spot fleet request.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
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    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>\n@param timestamp The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "simpleType" : null,
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    "variableSetterType" : "GroupIdentifier"
  }],
  "wrapper" : false
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"getterModel" : {
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 "documentation" : null
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 "http" : {
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 "isPayload" : false,
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 "unmarshallLocationName" : "timestamp",
 "uri" : false
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 "map" : false,

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 "setterModel" : {
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 "variableType" : "java.util.Date",
 "documentation" : "",
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
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 "simple" : true,

 "varargSetterDocumentation" : "/**\n * The date and time of the event, in UTC format (for example, \<i>YYYY</i>-\<i>MM</i>-\<i>DD</i>T\<i>HH</i>:\<i>MM</i>:\<i>SS</i>Z).\*/",
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 "variableName" : "timestamp",
 "variableType" : "java.util.Date",
 "documentation" : "",
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
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    "variableType" : "java.util.Date",
    "documentation" : "<p>The date and time of the event, in UTC format (for example, <i>YYYY-MM-DD</i>&nbsp;<i>HH:mm:ss</i>&nbsp;<i>Z</i>).<p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"c2jShape" : "EventType",
"deprecated" : false,
"documentation" : "<p>The event type.<p> - Indicates an error with the Spot fleet request.<p> - Indicates a change in the status or configuration of the Spot fleet request.<p> - Indicates that an instance was launched or terminated.<p>",
"enumType" : "EventType",
"fluentSetterDocumentation" : "/**<p>The event type.<p> - Indicates an error with the Spot fleet request.<p> - Indicates a change in the status or configuration of the Spot fleet request.<p> - Indicates that an instance was launched or terminated.<p>
@param eventType The event type.<p> - Indicates an error with the Spot fleet request.<p> - Indicates a change in the status or configuration of the Spot fleet request.<p> - Indicates that an instance was launched or terminated.<p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see EventType*/",
"getterDocumentation" : "/**<p>The event type.<p> - Indicates an error with the Spot fleet request.<p> - Indicates a change in the status or configuration of the Spot fleet request.<p> - Indicates that an instance was launched or terminated.<p>\n@return The event type.<p> - Indicates an error with the Spot fleet request.<p> - Indicates a change in the status or configuration of the Spot fleet request.<p>\n@see EventType*/",
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"getterModel" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EventType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventType",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EventType",
"setterDocumentation" : "/**<p>The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul>
@param eventType The event type.
<ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul>
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  "documentation" : "",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul>
@param eventType The event type.
<ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/
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<ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul>"
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"enumType": null,
"fluentSetterDocumentation": "/**<p>Information about the event.</p>@param eventInformation Information about the event.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withEventInformation",
"getterDocumentation": "/**<p>Information about the event.</p>@return Information about the event.*",
"getterMethodName": "getEventInformation",
"getterModel": {
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  "documentation": null
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  "flattened": false,
  "greedy": false,
  "header": false,
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  "isStreaming": false,
  "location": null,
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  "statusCode": false,
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  "variableName": "eventInformation",
  "variableType": "EventInformation"}
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@return Returns a reference to this object so that method calls can be chained together.
*/",
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"variableType" : "EventInformation",
"documentation" : "",
"simpleType" : "EventInformation",
"variableSetterType" : "EventInformation"
},
"simple" : false,
"varargSetterDocumentation" : "/** Information about the event.
@param eventInformation Information about the event.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"variableName" : "eventInformation",
"variableType" : "EventInformation",
"documentation" : "Information about the event.
"xmlNameSpaceUri" : null
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"c2jShape" : "EventType",
"deprecated" : false,
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- <code>error</code> - Indicates an error with the Spot fleet request.
- <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.
- <code>instanceChange</code> - Indicates that an instance was launched or terminated.
- <code>error</code> - Indicates an error with the Spot fleet request.
- <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.
- <code>instanceChange</code> - Indicates that an instance was launched or terminated.
- <code>error</code> - Indicates an error with the Spot fleet request.
- <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.
"enumType" : "EventType",
"fluentSetterDocumentation" : "The event type.
- <code>error</code> - Indicates an error with the Spot fleet request.
- <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.
- <code>instanceChange</code> - Indicates that an instance was launched or terminated.
- <code>error</code> - Indicates an error with the Spot fleet request.
- <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.
" outlets" : \n@name VOS assets for CCBU Projects (CentOS) 12.6(1) 6660
"instanceChange" - Indicates that an instance was launched or terminated.

@see EventType*/

"fleetRequestChange" - Indicates a change in the status or configuration of the Spot fleet request.

@see EventType*/

"instanceChange" - Indicates that an instance was launched or terminated.

@see EventType*/

"eventType": "error" - Indicates an error with the Spot fleet request.

"eventType": "fleetRequestChange" - Indicates a change in the status or configuration of the Spot fleet request.

@see EventType*/

"eventType": "instanceChange" - Indicates that an instance was launched or terminated.

@see EventType*/

"eventType": "error" - Indicates an error with the Spot fleet request.

"eventType": "fleetRequestChange" - Indicates a change in the status or configuration of the Spot fleet request.

@see EventType*/

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"variableName": "eventType",
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"documentation": "",
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"variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul> @param eventType The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul> <p>
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",

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@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",

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    "deprecated": false,
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@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",

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"getterDocumentation": "/**<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>-Z).</p> <p> <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>-Z</p> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> <p>
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",

"fluentSetterMethodName": "withTimestamp",
"getterDocumentation": "/**<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>-Z).</p> <p> <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>-Z</p> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> <p>
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",

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    "additionalUnmarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Timestamp",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "timestamp",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Timestamp",
  "setterDocumentation": "/**<p>The date and time of the event, in UTC format (for example, <i>YYYY-MM-DD</i>-<i>HH:MM:SS</i>).<p>*</i>@param timestamp The date and time of the event, in UTC format (for example, <i>YYYY-MM-DD-HH:MM:SS</i>).<p>**/",
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        "documentation": "",
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        "variableSetterType": "java.util.Date"
      },
      "simple": true,
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          "variableType": "java.util.Date",
          "documentation": "",
          "simpleType": "Date",
          "variableSetterType": "java.util.Date"
        }
      }"}
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},
"xmlNameSpaceUri" : null
}
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"requestSignerClassFqcn" : null,
"required" : [ "Timestamp", "EventType", "EventInformation" ],
"shapeName" : "HistoryRecord",
"unmarshaller" : {
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  "resultWrapper" : null
},
"variable" : {
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  "variableName" : "historyRecord",
  "variableType" : "HistoryRecord",
  "documentation" : null,
  "simpleType" : "HistoryRecord",
  "variableSetterType" : "HistoryRecord"
},
"wrapper" : false
},
"Host" : {
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  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the properties of the Dedicated Host.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Dedicated Host.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Dedicated Host.</p><p>\@param hostId The ID of the Dedicated Host.\@return Returns a reference to this object so that method calls can be chained together.*/
"}]}
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"getterDocumentation": "/**\n * The ID of the Dedicated Host.\n */\nreturn The ID of the Dedicated Host.*\n",
"getterMethodName": "getHostId",
"getterModel": {
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 "documentation": null
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 "isStreaming": false,
 "location": null,
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 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "hostId",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"name": "HostId",
"setterDocumentation": "/**\n * The ID of the Dedicated Host.\n */\n@param hostId The ID of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*\n",
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"setterModel": {
 "variableDeclarationType": "String",
 "variableName": "hostId",
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 "documentation": "",
 "simpleType": "String",
 "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n * The ID of the Dedicated Host.\n */\n@param hostId The ID of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*\n",
"variable": {
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 "variableType": "String",
 "documentation": "<p>The ID of the Dedicated Host.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "AutoPlacement",
"c2jShape" : "AutoPlacement",
"deprecated" : false,
"documentation" : "<p>Whether auto-placement is on or off.</p>",
"enumType" : "AutoPlacement",
"fluentSetterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>
@param autoPlacement Whether auto-placement is on or off.
@see AutoPlacement*/",
"fluentSetterMethodName" : "withAutoPlacement",
"getterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>
@return Whether auto-placement is on or off.
@see AutoPlacement*/",
"getterMethodName" : "getAutoPlacement",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"unmarshallLocationName" : "autoPlacement",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>
@param autoPlacement Whether auto-placement is on or off.
@see AutoPlacement*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "autoPlacement"}
Whether auto-placement is on or off.

```
@see AutoPlacement
```

### Variable: `autoPlacement`

- **Type:** `String`
- **Simple:** `true`
- **Documentation:**
  
  Whether auto-placement is on or off.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see AutoPlacement

```
/**
 * Whether auto-placement is on or off.
 * @param autoPlacement Whether auto-placement is on or off.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see AutoPlacement
 */
```

### Variable: `hostReservationId`

- **Type:** `String`
- **Simple:** `true`
- **Documentation:**
  
  The reservation ID of the Dedicated Host. This returns a `null` response if the Dedicated Host doesn't have an associated reservation.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see AutoPlacement

```
/**
 * The reservation ID of the Dedicated Host. This returns a `null` response if the Dedicated Host doesn't have an associated reservation.
 * @param hostReservationId The reservation ID of the Dedicated Host. This returns a `null` response if the Dedicated Host doesn't have an associated reservation.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

### Getter: `getHostReservationId`

- **Return Type:** `String`
- **Documentation:**
  
  The reservation ID of the Dedicated Host. This returns a `null` response if the Dedicated Host doesn't have an associated reservation.
  
  @return The reservation ID of the Dedicated Host. This returns a `null` response if the Dedicated Host doesn't have an associated reservation.

```
/**
 * The reservation ID of the Dedicated Host. This returns a `null` response if the Dedicated Host doesn't have an associated reservation.
 * @return The reservation ID of the Dedicated Host. This returns a `null` response if the Dedicated Host doesn't have an associated reservation.
 */
```
"location" : null,
"marshallLocationName" : "HostReservationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostReservationId",
"uri" : false,
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostReservationId",
"setterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>
@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.*/",
"setterMethodName" : "setHostReservationId",
"setterModel" : {
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  "variableName" : "hostReservationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>
@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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{ "c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a>
How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide. Return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide. Returns a reference to this object so that method calls can be chained together.

<table>
<thead>
<tr>
<th>Name</th>
<th>Setter Documentation</th>
<th>Getter Documentation</th>
<th>Getter Method Name</th>
<th>Getter Model</th>
<th>Setter Method Name</th>
<th>Setter Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClientToken</td>
<td>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href=&quot;<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html</a>&quot; How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide.</td>
<td>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href=&quot;<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html</a>&quot; How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide.</td>
<td>getClientToken</td>
<td>String</td>
<td>withClientToken</td>
<td>String</td>
</tr>
</tbody>
</table>

Additional Marshalling Path: null
Additional Unmarshalling Path: null
Flattened: false
Greedy: false
Header: false
Is Payload: false
Is Streaming: false
Location: null
Marshall Location Name: "ClientToken"
QueryString: false
StatusCode: false
Unmarshall Location Name: "clientToken"
Uri: false
Idempotency Token: false
List: false
ListModel: null
Map: false
Map Model: null
Name: "ClientToken"
Setter Documentation: Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html" How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide.
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. 

```plaintext
/**
 * @param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```json
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```json
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "HostProperties",
"c2jShape" : "HostProperties",
"deprecated" : false,
"documentation" : "The hardware specifications of the Dedicated Host."
"enumType" : null,
"fluentSetterDocumentation" : "The hardware specifications of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/
```

```json
"fluentSetterMethodName" : "withHostProperties",
"getterDocumentation" : "The hardware specifications of the Dedicated Host.\n@return The hardware specifications of the Dedicated Host.*/
```

```json
"getMethodName" : "getHostProperties",
"getModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The hardware specifications of the Dedicated Host.
 * @param
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```json
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @return Returns a reference to this object so that method calls can be chained together.*\n */
```

```json
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "HostProperties",
"c2jShape" : "HostProperties",
"deprecated" : false,
"documentation" : "The hardware specifications of the Dedicated Host."
"enumType" : null,
"fluentSetterDocumentation" : "The hardware specifications of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/
```

```json
"fluentSetterMethodName" : "withHostProperties",
"getterDocumentation" : "The hardware specifications of the Dedicated Host.\n@return The hardware specifications of the Dedicated Host.*/
```

```json
"getMethodName" : "getHostProperties",
"getModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```json
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
 * Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```json
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "HostProperties",
"c2jShape" : "HostProperties",
"deprecated" : false,
"documentation" : "The hardware specifications of the Dedicated Host.
"enumType" : null,
"fluentSetterDocumentation" : "The hardware specifications of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/
```

```json
"fluentSetterMethodName" : "withHostProperties",
"getterDocumentation" : "The hardware specifications of the Dedicated Host.\n@return The hardware specifications of the Dedicated Host.*/
```

```json
"getMethodName" : "getHostProperties",
"getModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"returnType" : "HostProperties",
"documentation" : null
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"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostProperties",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hostProperties",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostProperties",
"setterDocumentation" : "/**\n\n@param
hostProperties The hardware specifications of the Dedicated Host.*/\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHostProperties",
"setterModel" : {
  "variableDeclarationType" : "HostProperties",
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  "documentation" : "",
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  "variableSetterType" : "HostProperties"
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"varargSetterDocumentation" : "/**\n\n@param
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"deprecated": false,
"documentation": "<p>The Dedicated Host's state.</p>",
"enumType": "AllocationState",
"fluentSetterDocumentation": "/**<p>The Dedicated Host's state.</p>
@returns Returns a reference to this object so that method calls can be chained together.
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"getterDocumentation": "/**<p>The Dedicated Host's state.</p>
@returns The Dedicated Host's state.
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  "documentation": null
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"name": "State",
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@returns The Dedicated Host's state.
@see AllocationState*/",
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  "simpleType": "String",
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"documentation": "<p>The Availability Zone of the Dedicated Host.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param availabilityZone The Availability Zone of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAvailabilityZone",
"getterDocumentation": "/**\n@return The Availability Zone of the Dedicated Host.*/",
"getterMethodName": "getAvailabilityZone",
"getterModel": {
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  "documentation": null
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"list": false,
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"mapModel" : null,
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The Availability Zone of the Dedicated Host.</p>
  
  @return The Availability Zone of the Dedicated Host.
  
  @param availabilityZone The Availability Zone of the Dedicated Host.
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jName" : "Instances",
"c2jShape" : "HostInstanceList",
"documentation" : "<p>The IDs and instance type that are currently running on the Dedicated Host.</p>
  
  @param instances The IDs and instance type that are currently running on the Dedicated Host.\n  
  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstances",
"getterDocumentation" : "/**\n@param The IDs and instance type that are currently running on the Dedicated Host.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : null
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"greedy" : false,
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"unmarshallLocationName" : "instances",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "HostInstance",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
    },
  },
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    "greedy" : false,
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    "location" : null,
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    "queryString" : false,
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  "idempotencyToken" : false,
"list" : false,
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"mapModel" : null,
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"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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    "variableName" : "member",
    "variableType" : "HostInstance",
    "documentation" : "",
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    "variableSetterType" : "HostInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "member",
    "variableType" : "HostInstance",
    "documentation" : "",
    "simpleType" : "HostInstance",
    "variableSetterType" : "HostInstance"
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"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "HostInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HostInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
"templateType" : "java.util.List<HostInstance>"
},
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>The IDs and instance type that are currently running on the Dedicated Host.</p>
@param instances The IDs and instance type that are currently running on the Dedicated Host.*/",
"setterMethodName" : "setInstances",
"setterModel" : {
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    "variableName" : "instances",
    "variableType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
    "variableSetterType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
    "xmlNameSpaceUri" : null,"
"variableName" : "instances",
"variableType" : "java.util.List<HostInstance>",
"documentation" : "",
"simpleType" : "List<HostInstance>",
"variableSetterType" : "java.util.Collection<HostInstance>"}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs and instance type that are currently running on the Dedicated
Host.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setInstances(java.util.Collection)] or [@link #withInstances(java.util.Collection)] if you want to override the
existing values.</p>@param instances The IDs and instance type that are currently running on the Dedicated
Host."
return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
"variableName" : "instances",
"variableType" : "java.util.List<HostInstance>",
"documentation" : "<p>The IDs and instance type that are currently running on the Dedicated
Host.</p>

@param instances The IDs and instance type that are currently running on the Dedicated
Host.

@return Returns a reference to this object so that method calls can be chained together.
*/",

"xmlNameSpaceUri" : null
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"{c2jName" : "AvailableCapacity",
"c2jShape" : "AvailableCapacity",
"deprecated" : false,
"documentation" : "<p>The number of new instances that can be launched onto the Dedicated
Host.</p>

@param availableCapacity The number of new instances that can be launched onto the Dedicated
Host.

@return The number of new instances that can be launched onto the Dedicated
Host.

@returns Returns a reference to this object so that method calls can be chained together.
*/",

"fluentSetterMethodName" : "withAvailableCapacity",
"getterDocumentation" : "<p>The number of new instances that can be launched onto the Dedicated
Host.</p>

@return The number of new instances that can be launched onto the Dedicated
Host.

@returns Returns a reference to this object so that method calls can be chained together.
*/",

"getterMethodName" : "getAvailableCapacity",
"getterModel" : {
"returnType" : "AvailableCapacity",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailableCapacity",

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"unmarshallLocationName" : "availableCapacity",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableCapacity",
"setterDocumentation" : "/**\n * The number of new instances that can be launched onto the Dedicated Host.\n * @param availableCapacity The number of new instances that can be launched onto the Dedicated Host.*/",
"setterMethodName" : "setAvailableCapacity",
"setterModel" : {
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  "variableName" : "availableCapacity",
  "variableType" : "AvailableCapacity",
  "documentation" : "",
  "simpleType" : "AvailableCapacity",
  "variableSetterType" : "AvailableCapacity"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The number of new instances that can be launched onto the Dedicated Host.\n * @param availableCapacity The number of new instances that can be launched onto the Dedicated Host.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "AvailableCapacity",
  "variableName" : "availableCapacity",
  "variableType" : "AvailableCapacity",
  "documentation" : "\n  * The number of new instances that can be launched onto the Dedicated Host.\n  * @param availableCapacity The number of new instances that can be launched onto the Dedicated Host.\n  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AutoPlacement" : {
    "c2jName" : "AutoPlacement",
    "c2jShape" : "AutoPlacement",
    "deprecated" : false,
    "documentation" : "\n    * Whether auto-placement is on or off.\n    * @param autoPlacement Whether auto-placement is on or off.\n    * @return Returns a reference to this object so that method calls can be chained together.\n    * @see AutoPlacement*/",
    "fluentSetterDocumentation" : "\n    * Whether auto-placement is on or off.\n    * @param autoPlacement Whether auto-placement is on or off.\n    * @return Returns a reference to this object so that method calls can be chained together.\n    * @see AutoPlacement*/",
    "fluentSetterMethodName" : "withAutoPlacement",
  }
}
"getterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>@return Whether auto-placement is on or off.@see AutoPlacement*/",
"getterMethodName" : "getAutoPlacement",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "header" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "autoPlacement",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>@param autoPlacement Whether auto-placement is on or off.@see AutoPlacement*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
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  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>@param autoPlacement Whether auto-placement is on or off.@return Returns a reference to this object so that method calls can be chained together.@see AutoPlacement*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "<p>Whether auto-placement is on or off.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
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"AvailabilityZone" : {
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the Dedicated Host.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone of the Dedicated Host.</p>
@param availabilityZone The Availability Zone of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone of the Dedicated Host.</p>
@return The Availability Zone of the Dedicated Host.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the Dedicated Host.</p>
@param availabilityZone The Availability Zone of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
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"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param availabilityZone The Availability Zone of the Dedicated Host.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "The Availability Zone of the Dedicated Host.\n\n@param availabilityZone The Availability Zone of the Dedicated Host.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"AvailableCapacity" : {
"c2jName" : "AvailableCapacity",
"c2jShape" : "AvailableCapacity",
"deprecated" : false,
"documentation" : "The number of new instances that can be launched onto the Dedicated Host.\n\n@param availableCapacity The number of new instances that can be launched onto the Dedicated Host.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withAvailableCapacity",
"getterDocumentation" : "/**\n\n@return The number of new instances that can be launched onto the Dedicated Host.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getAvailableCapacity",
"getterModel" : {
"returnType" : "AvailableCapacity",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailableCapacity",
"queryString" : false,
The number of new instances that can be launched onto the Dedicated Host.

@see The number of new instances that can be launched onto the Dedicated Host.
Idempotency\</i\> in the \(<i\)Amazon Elastic Compute Cloud User Guide</i\>. 

@returns

Retrieves a reference to this object so that method calls can be chained together. */

 fluventSetterMethodName" : "withClientToken",

"getterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see \(<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. \</p\>
@return

Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see \(<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. */",

"setterMethodName" : "setClientToken",

"setterModel" : {

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"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ClientToken",

"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see \(<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. */",

"setterMethodName" : "setClientToken",

"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html'>How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</i>. 
 @param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html'>How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</i>. 
 @return Returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "String",
"documentation" : 
"<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html'>How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</i>. 
</p>
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"documentation" : 
"<p>The ID of the Dedicated Host.</p>
"@param hostId The ID of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withHostId",
"getterDocumentation" : 
"<p>The ID of the Dedicated Host.</p>
"@return The ID of the Dedicated Host.
"http" : {
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "hostId",
"uri": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "HostId",
"setterDocumentation": "/**\n@\n@param hostId The ID of the Dedicated Host.*/",
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"setterModel": {
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  "variableName": "hostId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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"variable": {
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  "variableType": "String",
  "documentation": "The ID of the Dedicated Host.\n"",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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  "c2jShape": "HostProperties",
  "deprecated": false,
  "documentation": "The hardware specifications of the Dedicated Host."
},
"enumType": null,
"fluentSetterDocumentation" : "/**\p>The hardware specifications of the Dedicated Host.\n@param hostProperties The hardware specifications of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostProperties",
"getterDocumentation" : "/**\p>The hardware specifications of the Dedicated Host.\n@return The hardware specifications of the Dedicated Host.*/",
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"getterModel" : {
 "returnType" : "HostProperties",
 "documentation" : null
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 "isStreaming" : false,
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 "statusCode" : false,
 "unmarshallLocationName" : "hostProperties",
 "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostProperties",
"setterDocumentation" : "/**\p>The hardware specifications of the Dedicated Host.\n@param hostProperties The hardware specifications of the Dedicated Host.*/",
"setterMethodName" : "setHostProperties",
"setterModel" : {
 "variableDeclarationType" : "HostProperties",
 "variableName" : "hostProperties",
 "variableType" : "HostProperties",
 "documentation" : "",
 "simpleType" : "HostProperties",
 "variableSetterType" : "HostProperties"
},
"simple" : false,
"varargSetterDocumentation" : "/**\p>The hardware specifications of the Dedicated Host.\n@param hostProperties The hardware specifications of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "HostProperties",
"variableName" : "hostProperties",
"variableType" : "HostProperties",
"documentation" : "<p>The hardware specifications of the Dedicated Host.</p>",
"simpleType" : "HostProperties",
"variableSetterType" : "HostProperties"
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"xmlNameSpaceUri" : null
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"HostReservationId" : {
  "c2jName" : "HostReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The reservation ID of the Dedicated Host. This returns a `<code>null</code>` response if the Dedicated Host doesn't have an associated reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a `<code>null</code>` response if the Dedicated Host doesn't have an associated reservation.</p>
@param hostReservationId The reservation ID of the Dedicated Host. This returns a `<code>null</code>` response if the Dedicated Host doesn't have an associated reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHostReservationId",
  "getterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a `<code>null</code>` response if the Dedicated Host doesn't have an associated reservation.</p>\n@return The reservation ID of the Dedicated Host. This returns a `<code>null</code>` response if the Dedicated Host doesn't have an associated reservation.*/",
  "getterMethodName" : "getHostReservationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HostReservationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "hostReservationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostReservationId",
"setterDocumentation" : "/**\n<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>\n@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.*\*/",
"setterMethodName" : "setHostReservationId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "hostReservationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>\n@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.*\*/",
"varargSetterMethodName" : "setHostReservationId",
"getterDocumentation" : "/**\n<p>The IDs and instance type that are currently running on the Dedicated Host.</p>\n@return The IDs and instance type that are currently running on the Dedicated Host.*/",
"getterMethodName" : "getInstances",
"getterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "hostReservationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"xmlNameSpaceUri" : null
},
"Instances" : {
    "c2jName" : "Instances",
    "c2jShape" : "HostInstanceList",
    "deprecated" : false,
    "documentation" : "<p>The IDs and instance type that are currently running on the Dedicated Host.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>The IDs and instance type that are currently running on the Dedicated Host.</p>\n@param instances The IDs and instance type that are currently running on the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withInstances",
    "getterDocumentation" : "/**\n<p>The IDs and instance type that are currently running on the Dedicated Host.</p>\n@return The IDs and instance type that are currently running on the Dedicated Host.*\*/",
    "getterMethodName" : "getInstances",
    "getterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "hostReservationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"xmlNameSpaceUri" : null
}
"name" : "Instances",
"setterDocumentation" : "/**<p>The IDs and instance type that are currently running on the Dedicated Host.</p>
@param instances The IDs and instance type that are currently running on the Dedicated Host.*"",
"setterMethodName" : "setInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<HostInstance>",
  "documentation" : "",
  "simpleType" : "List<HostInstance>",
  "variableSetterType" : "java.util.Collection<HostInstance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs and instance type that are currently running on the Dedicated Host.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setInstances(java.util.Collection)] or [@link #withInstances(java.util.Collection)] if you want to override the existing values.</p>
@param instances The IDs and instance type that are currently running on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
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  "variableName" : "instances",
  "variableType" : "java.util.List<HostInstance>",
  "documentation" : "The IDs and instance type that are currently running on the Dedicated Host.",
  "simpleType" : "List<HostInstance>",
  "variableSetterType" : "java.util.Collection<HostInstance>"
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"xmlNameSpaceUri" : null
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"State" : {
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  "c2jShape" : "AllocationState",
  "deprecated" : false,
  "documentation" : "The Dedicated Host's state.",
  "enumType" : "AllocationState",
  "fluentSetterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@param state The Dedicated Host's state.
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@return The Dedicated Host's state.
@see AllocationState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
  }
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"greedy" : false,
"header" : false,
"isPayload" : false,
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"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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@param state The Dedicated Host's state.
@see AllocationState*/",
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  "variableSetterType" : "String"
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@param state The Dedicated Host's state.
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationState*/",
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"documentation" : null
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@returns The instance type size (for example, <code>m3.medium</code>) of the running instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return the IDs of instances that are running on the Dedicated Host.
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"isStreaming" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/\n",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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        "documentation": null,
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        "variableSetterType": "OfferingId"
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      "wrapper": false
    }
  ],
  "xmlNameSpaceUri": null
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@return The ID of the offering.*/",
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"documentation" : null
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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@param offeringId The ID of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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@param offeringId The ID of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@<p>param instanceFamily The instance family of the offering.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceFamily",
"getterDocumentation" : "/**<p>The instance family of the offering.</p>
@return The instance family of the offering.*/",
"getterMethodName" : "getInstanceFamily",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"fluentSetterDocumentation" : "/**\n* The available payment option.
@param paymentOption The available payment option.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPaymentOption",
"getterDocumentation" : "/**\n* The available payment option.
@return The available payment option.
@see PaymentOption*/",
"getterMethodName" : "getPaymentOption",
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@param paymentOption The available payment option.  
@see PaymentOption*/",
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@param paymentOption The available payment option.  
@returns Returns a reference to this object so that method calls can be chained together.  
@see PaymentOption*/",
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"c2jShape" : "String",
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"documentation" : "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
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"fluentSetterDocumentation" : "/**<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withUpfrontPrice",
"getterDocumentation" : "/**<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@returns The upfront price of the offering. Does not apply to No Upfront offerings. */",
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "documentation" : "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
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  "deprecated" : false,
  "documentation" : "<p>The hourly price of the offering.</p>"
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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 * \n * @param currencyCode The currency of the offering.
 * \n * @return Returns a reference to this object so that method calls can be chained together.
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  "variableType" : "String",
  "documentation" : "The currency of the offering.
 * \n * @param currencyCode The currency of the offering.
 * \n * @return Returns a reference to this object so that method calls can be chained together.
 * \n * @see CurrencyCodeValues*/",
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  "c2jName" : "Duration",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The duration of the offering (in seconds).
 * \n * @param duration The duration of the offering (in seconds).
 * \n * @return Returns a reference to this object so that method calls can be chained together.
 * \n * @see CurrencyCodeValues*/",
  "fluentSetterDocumentation" : "/**\n * The duration of the offering (in seconds).
 * \n * @param duration The duration of the offering (in seconds).
 * \n * @return Returns a reference to this object so that method calls can be chained together.
 * \n * @see CurrencyCodeValues*/",
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  "getterDocumentation" : "/**\n * The duration of the offering (in seconds).
 * \n * @return The duration of the offering (in seconds).
 * \n * @see CurrencyCodeValues*/",
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    "xmlNameSpaceUri" : null
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "duration",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Duration",
"setterDocumentation" : "/**<p>The duration of the offering (in seconds).
@<param>
duration The duration of the offering (in seconds).
*/",
"setterMethodName" : "setDuration",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "duration",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The duration of the offering (in seconds).
@<param>
duration The duration of the offering (in seconds).
@<return>
Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "duration",
"variableType" : "Integer",
"documentation" : "The duration of the offering (in seconds).",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"CurrencyCode" : {
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "The currency of the offering.
@<param>
currencyCode The currency of the offering.
@<return>
Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
"fluentSetterDocumentation" : "/*\p>The currency of the offering.
@\param currencyCode The currency of the offering.
\@\return Returns a reference to this object so that method calls can be chained together.
@\see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/<p>The currency of the offering.
@<param>
currencyCode The currency of the offering.
@<return>
The currency of the offering.
*/"}
offering.

@see CurrencyCodeValues*/

"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "simpleSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The currency of the offering.</p>
@see CurrencyCodeValues*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : ""<p>The currency of the offering.</p>
@see CurrencyCodeValues*/","
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Duration" : {
"c2jName" : "Duration",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The duration of the offering (in seconds).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The duration of the offering (in seconds).</p>@param duration The duration of the offering (in seconds).*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDuration",
"getterDocumentation" : "/**<p>The duration of the offering (in seconds).</p>
@return The duration of the offering (in seconds).*/",
"getterMethodName" : "getDuration",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Duration",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "duration",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Duration",
"setterDocumentation" : "/**<p>The duration of the offering (in seconds).</p>@param duration The duration of the offering (in seconds).*/
}@param duration The duration of the offering (in seconds).*/",
"setterMethodName" : "setDuration",
"setterModel" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "duration"}
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"vargSetterDocumentation" : "*/p><p>The duration of the offering (in seconds).\n@\n\nparam duration The duration of the offering (in seconds).\n\nreturn\n\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The duration of the offering (in seconds).</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"HourlyPrice" : {
  "c2jName" : "HourlyPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The hourly price of the offering.</p>
  "getterDocumentation" : ""/**\n  \n\nreturn\n\nThe hourly price of the offering.\n\n@\n\nreturn Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getHourlyPrice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HourlyPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "hourlyPrice",
  },
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**<p>The hourly price of the offering.</p>
@param hourlyPrice The hourly price of the offering.*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly price of the offering.</p>
@param hourlyPrice The hourly price of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>The hourly price of the offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,

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  "c2jName" : "InstanceFamily",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance family of the offering.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The instance family of the offering.</p>
@param instanceFamily The instance family of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceFamily",
  "getterDocumentation" : "/**<p>The instance family of the offering.</p>
@param instanceFamily The instance family of the offering.
@return The instance family of the offering.*/",
  "getterMethodName" : "getInstanceFamily",
  "getterModel" : {
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    "setterMethodName" : "setInstanceFamily",
    "setterModel" : {
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      "variableName" : "instanceFamily",
      "variableType" : "String",
      "documentation" : "<p>The instance family of the offering.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
}
"OfferingId" : {
  "c2jName" : "OfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the offering.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the offering.</p>
  @param offeringId The ID of the offering.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOfferingId",
  "getterDocumentation" : "/**<p>The ID of the offering.</p>
  @return The ID of the offering.
  @method getOfferingId",
  "getterMethodName" : "getOfferingId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "offeringId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "OfferingId",
  "setterDocumentation" : "/**<p>The ID of the offering.</p>
  @param offeringId The ID of the offering.
  @method setOfferingId",
  "setterMethodName" : "setOfferingId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the offering.</p>
  @param offeringId The ID of the offering.
  @method setOfferingId"
}
offering.

```java
@return Returns a reference to this object so that method calls can be chained together.*/

private String offeringId;

/**
 * The ID of the offering.
 *
 * @param offeringId The ID of the offering.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see #getOfferingId
 */

private String offeringId;

/**
 * The available payment option.
 *
 * @param paymentOption The available payment option.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see PaymentOption
 */

private String paymentOption;

/**
 * The available payment option.
 *
 * @param paymentOption The available payment option.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see PaymentOption
 */

private String paymentOption;
```
"name": "PaymentOption",
"setterDocumentation": "/**<p>The available payment option.</p>
@param paymentOption The available payment option. @ see PaymentOption*/",
"setterMethodName": "setPaymentOption",
"setterModel": {
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    "variableName": "paymentOption",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The available payment option.</p>
@param paymentOption The available payment option. @ return Returns a reference to this object so that method calls can be chained together. @ see PaymentOption*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "paymentOption",
    "variableType": "String",
    "documentation": "<p>The available payment option.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UpfrontPrice": {
    "c2jName": "UpfrontPrice",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings. @ return Returns a reference to this object so that method calls can be chained together. @/"",
    "fluentSetterMethodName": "withUpfrontPrice",
    "getterDocumentation": "/**<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@return The upfront price of the offering. Does not apply to No Upfront offerings. @/"",
    "getterMethodName": "getUpfrontPrice",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "..."}
**setterDocumentation**: /*<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings.*"*/

*setterMethodName*: "setUpfrontPrice",

*setterModel*: {
  "variableDeclarationType": "String",
  "variableName": "upfrontPrice",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}

*simple*: true,

*varargSetterDocumentation*: /*<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings
@return Returns a reference to this object so that method calls can be chained together.*"*/

*variable*: {
  "variableDeclarationType": "String",
  "variableName": "upfrontPrice",
  "variableType": "String",
  "documentation": "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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*xmlNameSpaceUri*: null

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*requestSignerClassFqcn*: null,

*required*: null,

*shapeName*: "HostOffering",

*unmarshaller*: {
  "flattened": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UpfrontPrice",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "upfrontPrice",
  "uri": false
},

*idempotencyToken*: false,

*list*: false,

*listModel*: null,

*map*: false,

*mapModel*: null,

*name*: "UpfrontPrice",

*marshallLocationName*: "UpfrontPrice",

*marshallLocationName": "UpfrontPrice",

*marshallLocationName": "UpfrontPrice",

*marshallLocationName": "UpfrontPrice",

*marshaller": {
  "flattened": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UpfrontPrice",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "upfrontPrice",
  "uri": false
},

*idempotencyToken": false,

*list": false,

*listModel": null,

*map": false,

*mapModel": null,

*name": "UpfrontPrice",

*setterDocumentation": /*<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings.*"*/

*setterMethodName": "setUpfrontPrice",

*setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upfrontPrice",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

*simple": true,

*varargSetterDocumentation": /*<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings
@return Returns a reference to this object so that method calls can be chained together.*"*/

*variable": {
  "variableDeclarationType": "String",
  "variableName": "upfrontPrice",
  "variableType": "String",
  "documentation": "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},

*xmlNameSpaceUri": null

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],
"variable" : {
  "variableDeclarationType" : "HostOffering",
  "variableName" : "hostOffering",
  "variableType" : "HostOffering",
  "documentation" : null,
  "simpleType" : "HostOffering",
  "variableSetterType" : "HostOffering"
},
"wrapper" : false
},
"HostProperties" : {
  "c2jName" : "HostProperties",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\<p\>Describes properties of a Dedicated Host.\</p\>\",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "Sockets",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "\<p\>The number of sockets on the Dedicated Host.\</p\>\",
    "enumType" : null,
    "fluentSetterDocumentation" : "\*/\**\<p\>The number of sockets on the Dedicated Host.\</p\>\n\n@returns\ a reference to this object so that method calls can be chained together.*/\"",
    "fluentSetterMethodName" : "withSockets",
    "getterDocumentation" : "\*/\**\<p\>The number of sockets on the Dedicated Host.\</p\>\n\n@returns\ the number of sockets on the Dedicated Host.*/\"",
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    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
    }
  ]
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Sockets",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sockets",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Sockets",
"setterDocumentation" : "/** <p>The number of sockets on the Dedicated Host.</p>
@param sockets The number of sockets on the Dedicated Host. */",
"setterMethodName" : "setSockets",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "sockets",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The number of sockets on the Dedicated Host.</p>
@param sockets The number of sockets on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "sockets",
  "variableType" : "Integer",
  "documentation" : "<p>The number of sockets on the Dedicated Host.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
}, {
  "c2jName" : "Cores",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of cores on the Dedicated Host.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**<p>The number of cores on the Dedicated Host.</p>
@param cores The number of cores on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCores",
"getterDocumentation": "/**<p>The number of cores on the Dedicated Host.</p>
@return The number of cores on the Dedicated Host.*/",
"getterMethodName": "getCores",
"getterModel": {
"returnType": "Integer",
"documentation": null
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "cores",
"uri": false
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"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": "/**<p>The number of cores on the Dedicated Host.</p>
@param cores The number of cores on the Dedicated Host.*/",
"setterMethodName": "setCores",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "cores",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of cores on the Dedicated Host.</p>
@param cores The number of cores on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "cores",
  "variableType" : "Integer",
  "documentation" : "<p>The number of cores on the Dedicated Host.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
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  "c2jName" : "TotalVCpus",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of vCPUs on the Dedicated Host.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of vCPUs on the Dedicated Host.</p>
   * @param totalVCpus The number of vCPUs on the Dedicated Host.
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTotalVCpus",
  "getterDocumentation" : "/**<p>The number of vCPUs on the Dedicated Host.</p>
   * @return The number of vCPUs on the Dedicated Host.*/",
  "getterMethodName" : "getTotalVCpus",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TotalVCpus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "totalVCpus",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "TotalVCpus",
  "setterDocumentation" : "/**<p>The number of vCPUs on the Dedicated Host.</p>
   * @param totalVCpus The
number of vCPUs on the Dedicated Host.

setterMethodName" : "setTotalVCpus",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalVCpus",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The number of vCPUs on the Dedicated Host.</p>
@param totalVCpus The number of vCPUs on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalVCpus",
  "variableType" : "Integer",
  "documentation" : "<p>The number of vCPUs on the Dedicated Host.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "InstanceType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).</p>
@param instanceType The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>). 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).</p>
@return The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).*/",
  "getterMethodName" : "getInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).\n@param instanceType The instance type size that the Dedicated Host supports
(for example, <code>m3.medium</code>).*/

setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).\n@param instanceType The instance type size that the Dedicated Host supports
(for example, <code>m3.medium</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).\n
simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
  "Cores" : {
    "c2jName" : "Cores",
    "c2jShape" : "Integer",
    "c2jType" : "String"
  }
}
"deprecated" : false,
"documentation" : "&lt;p&gt;The number of cores on the Dedicated Host.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;**&lt;p&gt;The number of cores on the Dedicated Host.&lt;/p&gt;&lt;@param cores The number of cores on the Dedicated Host.&lt;@return Returns a reference to this object so that method calls can be chained together.&lt;/**&gt;&lt;/p&gt;",
"fluentSetterMethodName" : "withCores",
"getterDocumentation" : "&lt;**&lt;p&gt;The number of cores on the Dedicated Host.&lt;/p&gt;&lt;@return The number of cores on the Dedicated Host.&lt;/**&gt;&lt;/p&gt;",
"getterMethodName" : "getCores",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Cores",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cores",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Cores",
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"setterMethodName" : "setCores",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "cores",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "&lt;**&lt;p&gt;The number of cores on the Dedicated Host.&lt;/p&gt;&lt;@param cores The
number of cores on the Dedicated Host.\n@\return Returns a reference to this object so that method calls can be chained together.*/

  "variable" : {
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    "documentation" : "<p>The number of cores on the Dedicated Host.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).</p>
@param instanceType The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).\n@\return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).</p>
@return The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).*/",
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    "documentation" : null
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  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceType",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).</p>
@param instanceType The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).</p>
@param instanceType The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>). 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type size that the Dedicated Host supports (for example, 
<code>m3.medium</code>).</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Sockets" : {
  "c2jName" : "Sockets",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of sockets on the Dedicated Host.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of sockets on the Dedicated Host.</p>
@param sockets The number of sockets on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSockets",
  "getterDocumentation" : "/**<p>The number of sockets on the Dedicated Host.</p>
@return The number of sockets on the Dedicated Host.*/",
  "getterMethodName" : "getSockets",
  "getterModel" : {
    "returnType" : "Integer"
  }
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"documentation" : null,
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "Sockets",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sockets",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Sockets",
"setterDocumentation" : "/**<p>The number of sockets on the Dedicated Host.</p>
@param sockets The number of sockets on the Dedicated Host.*/",
"setterMethodName" : "setSockets",
"setterModel" : {
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  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of sockets on the Dedicated Host.</p>
@param sockets The number of sockets on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Integer",
  "documentation" : "<p>The number of sockets on the Dedicated Host.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
"xmlNameSpaceUri" : null
},

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"TotalVCpus" : {
"c2jName" : "TotalVCpus",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of vCPUs on the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**\n*\n@\n@param
\ntotalVCpus\n*\n@\nreturn
\n*\n*/",
"getterDocumentation" : "/**\n*\n@\nreturn
\n*\n*/",
"getterMethodName" : "getTotalVCpus",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TotalVCpus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "totalVCpus",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TotalVCpus",
"setterDocumentation" : "/**\n*\n@\n@param
\ntotalVCpus\n*\n@\nreturn
\n*\n*/",
"setterMethodName" : "setTotalVCpus",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalVCpus",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"}
"simple" : true,
"varargSetterDocumentation" : "/**
   * The number of vCPUs on the Dedicated Host.
   */

   @param totalVcpus The number of vCPUs on the Dedicated Host.
   @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "totalVcpus",
"variableType" : "Integer",
"documentation" : "The number of vCPUs on the Dedicated Host.",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "HostProperties",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "HostProperties",
"variableName" : "hostProperties",
"variableType" : "HostProperties",
"documentation" : null,
"simpleType" : "HostProperties",
"variableSetterType" : "HostProperties"
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"wrapper" : false
},
"HostReservation" : {
"c2jName" : "HostReservation",
"customization" : {
"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Details about the Dedicated Host Reservation and associated Dedicated Hosts.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  
  "c2jName" : "HostReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the reservation that specifies the associated Dedicated Hosts.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The ID of the reservation that specifies the associated Dedicated Hosts.",
  "getterDocumentation" : "The ID of the reservation that specifies the associated Dedicated Hosts.",
  "getterMethodName" : "getHostReservationId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HostReservationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "hostReservationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "HostReservationId",
  "setterDocumentation" : "The ID of the reservation that specifies the associated Dedicated Hosts.",
  "setterMethodName" : "setHostReservationId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "hostReservationId",
    "variableType" : "String",
  },
"..."
"documentation": "",  
"simpleType": "String",  
"variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/*<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>*/",  
"variable": {  
"variableDeclarationType": "String",  
"variableName": "hostReservationId",  
"variableType": "String",  
"documentation": "<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
@param hostReservationId The ID of the reservation that specifies the associated Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.
*/",  
"variable": {  
"variableDeclarationType": "String",  
"variableName": "hostReservationId",  
"variableType": "String",  
"documentation": "<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
@param hostReservationId The ID of the reservation that specifies the associated Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.
*/",  
"xmlNameSpaceUri": null  
},  
"c2jName": "HostIdSet",  
"c2jShape": "ResponseHostIdSet",  
"deprecated": false,  
"documentation": "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.
@return Returns a reference to this object so that method calls can be chained together.
*/",  
"getterDocumentation": "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@return The IDs of the Dedicated Hosts associated with the reservation.
*/",  
"getterMethodName": "getHostIdSet",  
"getterModel": {  
"returnType": "java.util.List<String>",  
"documentation": null  
},  
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocationName": "HostIdSet",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "hostIdSet",  
"uri": false
Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIdSet",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>
@param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>
@return The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.*/",
"getterMethodName" : "getOfferingId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "offeringId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "OfferingId",
"setterDocumentation": "/**\n * The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.\n * @param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.*/",
"setterMethodName": "setOfferingId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "offeringId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.\n * @param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName": "withOfferingId",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "offeringId",
  "variableType": "String",
  "documentation": "<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.\n</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"c2jName": "InstanceFamily",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\n</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n * The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\n * @param instanceFamily The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceFamily",
"getterDocumentation": "/**\n * The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\n * @return The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.*/",
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"getterModel" : {
  "returnType" : ":String",
  "documentation" : null
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  "greedy" : false,
  "header" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : ":InstanceFamily",
"setterDocumentation" : "/**
 @param instanceFamily The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.
 @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : ":instanceFamily",
  "variableType" : ":String",
  "documentation" : ":",
  "simpleType" : ":String",
  "variableSetterType" : ":String"
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"simple" : true,
"varargSetterDocumentation" : "/**
 @param instanceFamily The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.
 @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : ":String",
  "documentation" : null
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"documentation" : "<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "PaymentOption",
"c2jShape" : "PaymentOption",
"deprecated" : false,
"documentation" : "<p>The payment option selected for this reservation.</p>",
"enumType" : "PaymentOption",
"fluentSetterDocumentation" : "/**<p>The payment option selected for this reservation.</p>@param paymentOption The payment option selected for this reservation.@return Returns a reference to this object so that method calls can be chained together.@see PaymentOption*/",
"fluentSetterMethodName" : "withPaymentOption",
"getterDocumentation" : "/**<p>The payment option selected for this reservation.</p>@return The payment option selected for this reservation.@see PaymentOption*/",
"getterMethodName" : "getPaymentOption",
"getterModel" : {
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   "documentation" : null
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"http" : {
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   "greedy" : false,
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   "isPayload" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentOption",
"setterDocumentation" : "/**<p>The payment option selected for this reservation.</p>@param paymentOption The payment option selected for this reservation.@return Returns a reference to this object so that method calls can be chained together.@see PaymentOption*/",
"setterMethodName" : "setPaymentOption",
"setterModel" : 
}
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The payment option selected for this reservation.\n@see PaymentOption*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "<p>The payment option selected for this reservation.\n\n\n@see PaymentOption*/",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"c2jName" : "HourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The hourly price of the reservation.\n\n\n@see HourlyPrice*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The hourly price of the reservation.\n\n\n@see HourlyPrice*/",
"fluentSetterMethodName" : "withHourlyPrice",
"getterDocumentation" : "/**<p>The hourly price of the reservation.\n\n\n@see HourlyPrice*/",
"getterMethodName" : "getHourlyPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HourlyPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hourlyPrice",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**\n@p The hourly price of the reservation.\n@param hourlyPrice The hourly price of the reservation.*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@p The hourly price of the reservation.\n@param hourlyPrice The hourly price of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>The hourly price of the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
],
"c2jName" : "UpfrontPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The upfront price of the reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" :="/**\n@p The upfront price of the reservation.\n@param upfrontPrice The upfront price of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUpfrontPrice",
"getterDocumentation" : "/**\n@p The upfront price of the reservation.\n@return The upfront price of the reservation.*/",
"getterMethodName" : "getUpfrontPrice",
"getterModel" : {

"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "UpfrontPrice",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "upfrontPrice",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UpfrontPrice",
"setterDocumentation": "/**<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.*/",
"setterMethodName": "setUpfrontPrice",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "upfrontPrice",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "upfrontPrice",
"variableType": "String",
"documentation": "<p>The upfront price of the reservation.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

```java
public enum CurrencyCode {
    USD,
    EUR,
    JPY,
    GBP,
    AUD,
    CAD,
    CHF,
    SGD,
    HKD,
    INR
}
```

**Usage**

```java
public void createResource() {
    CurrencyCode currencyCode = CurrencyCode.USD;
    // Use currencyCode for calculations
}
```

**Additional Information**

- **Documentation**
  - The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

- **Setter Method**
  - `withCurrencyCode` method to set the currency code.

- **Getter Method**
  - `getCurrencyCode` method to get the currency code.

- **HTTP**
  - Marshalling and unmarshalling paths are not defined.

- **Idempotency Token**
  - Not defined.

- **List and Map**
  - Not defined.
<code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. 

```java
/**
 * The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
 * @param currencyCode The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see CurrencyCodeValues */
```
```
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Count",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "count",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Count",
"setterDocumentation" : "/** <p>The number of Dedicated Hosts the reservation is associated with.</p>*/",
"setterMethodName" : "setCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"vargSetterDocumentation" : "/** <p>The number of Dedicated Hosts the reservation is associated with.</p>*/
@Param count The number of Dedicated Hosts the reservation is associated with.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "<p>The number of Dedicated Hosts the reservation is associated with.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Duration",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The length of the reservation's term, specified in seconds. Can be <code>31536000 (1

---

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  6743
"enumType" : null,

"fluentSetterDocumentation" : "/**
The length of the reservation's term, specified in seconds. Can be
<code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.

@Retention
@DefaultValue("31536000")
@Parameter

@ApiResponse(code = 200, message = "OK")

public class Duration {

    private Integer duration;

    public Duration() {
    }

    public Duration(Integer duration) {
        this.duration = duration;
    }

    public Integer getDuration() {
        return duration;
    }

    public void setDuration(Integer duration) {
        this.duration = duration;
    }

    public String toString() {
        return "Duration [duration=");
    }
}

"setterMethodName" : "setDuration",

"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "duration",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",

    "getterDocumentation" : "/**
The length of the reservation's term, specified in seconds. Can be
<code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.

@return The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.

@Retention
@DefaultValue("31536000")
@Parameter

@ApiResponse(code = 200, message = "OK")

public class Duration {

    private Integer duration;

    public Duration() {
    }

    public Duration(Integer duration) {
        this.duration = duration;
    }

    public Integer getDuration() {
        return duration;
    }

    public void setDuration(Integer duration) {
        this.duration = duration;
    }

    public String toString() {
        return "Duration [duration=");
    }
}

"setterMethodName" : "setDuration",

"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "duration",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",

    "getterDocumentation" : "/**
The length of the reservation's term, specified in seconds. Can be
<code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.

@return The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.

@Retention
@DefaultValue("31536000")
@Parameter

@ApiResponse(code = 200, message = "OK")

public class Duration {

    private Integer duration;

    public Duration() {
    }

    public Duration(Integer duration) {
        this.duration = duration;
    }

    public Integer getDuration() {
        return duration;
    }

    public void setDuration(Integer duration) {
        this.duration = duration;
    }

    public String toString() {
        return "Duration [duration=");
    }
}
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>. The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>. return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>. return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "End",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date and time that the reservation ends.</p>
@param end The date and time that the reservation ends.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnd",
"getterDocumentation" : "/**<p>The date and time that the reservation ends.</p>
@return The date and time that the reservation ends.*/",
"getterMethodName" : "getEnd",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "End",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "end",
  "uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "End",
"setterDocumentation": "/*\n @param end The date and time that the reservation ends.*/
setterMethodName": "setEnd",
setterModel": {
 variableDeclarationType": "java.util.Date",
 variableName": "end",
 variableType": "java.util.Date",
 documentation": "",
 simpleType": "Date",
 variableSetterType": "java.util.Date"
},
 simple": true,
 varargSetterDocumentation": "/*\n @param end The date and time that the reservation ends.
 @return Returns a reference to this object so that method calls can be chained together.*/
variable": {
 variableDeclarationType": "java.util.Date",
 variableName": "end",
 variableType": "java.util.Date",
 documentation": "The date and time that the reservation ends."",
 simpleType": "Date",
 variableSetterType": "java.util.Date"
},
 xmlNameSpaceUri": null
},
"c2jName": "Start",
"c2jShape": "DateTime",
 deprecated": false,
 documentation": "The date and time that the reservation started."",
 enumType": null,
 fluentSetterDocumentation": "/*\n @param start The date and time that the reservation started.
 @return Returns a reference to this object so that method calls can be chained together.*/
fluentSetterMethodName": "withStart",
getterDocumentation": "/*\n @return The date and time that the reservation started.
 @param start The date and time that the reservation started.
 @return Returns a reference to this object so that method calls can be chained together.*/
getterMethodName": "getStart",
getterModel": {
 returnType": "java.util.Date",
 documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Start",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "start",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Start",
"setterDocumentation": "/**<p>The date and time that the reservation started.</p>
@param start The date and time that the reservation started.*/",
"setterMethodName": "setStart",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "start",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The date and time that the reservation started.</p>
@param start The date and time that the reservation started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "start",
  "variableType": "java.util.Date",
  "documentation": "<p>The date and time that the reservation started.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"c2jName": "State",
"c2jShape": "ReservationState"
reservation.

@return Returns a reference to this object so that method calls can be chained together.

@see ReservationState*/
},
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Count" : {
    "c2jName" : "Count",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The number of Dedicated Hosts the reservation is associated with.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of Dedicated Hosts the reservation is associated with.</p>
@param count The number of Dedicated Hosts the reservation is associated with.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCount",
    "getterDocumentation" : "/**<p>The number of Dedicated Hosts the reservation is associated with.</p>
@return The number of Dedicated Hosts the reservation is associated with.</p>
",
    "getterMethodName" : "getCount",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Count",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "count",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Count",
"setterDocumentation" : "/**<p>The number of Dedicated Hosts the reservation is associated with.</p>
@param count The number of Dedicated Hosts the reservation is associated with.
*/",
"setterMethodName" : "setCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of Dedicated Hosts the reservation is associated with.</p>
@param count The number of Dedicated Hosts the reservation is associated with.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "<p>The number of Dedicated Hosts the reservation is associated with.</p>
<code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
*/",
  "enumType" : "CurrencyCodeValues",
  "fluentSetterDocumentation" : "/**<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
*/",
  "fluentSetterMethodName" : "withCurrencyCode",
  "getterDocumentation" : "/**<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
*/
@see CurrencyCodeValues*/

"xmlNameSpaceUri" : null
},
"CurrencyCode" : {
  "c2jName" : "CurrencyCode",
  "c2jShape" : "CurrencyCodeValues",
  "deprecated" : false,
  "documentation" : "<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
*/
@see CurrencyCodeValues*/

"xmlNameSpaceUri" : null
}
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "currencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<\p>@param currencyCode The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<\p>@param currencyCode The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>@return Returns a reference to this object so that method calls can be chained together.<@see CurrencyCodeValues*/",
"variable" : {
"variableDeclarationType": "String",
"variableName": "currencyCode",
"variableType": "String",
"documentation": "The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.",

"simpleType": "String",
"variableSetterType": "String",
"xmlNameSpaceUri": null
},
"Duration": {
"c2jName": "Duration",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.",
"enumType": null,
"fluentSetterDocumentation": /** The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
@param duration The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withDuration",
"getterDocumentation": /** The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
@return The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
*/",
"getterMethodName": "getDuration",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Duration",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "duration",
"uri": false
},
"idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Duration",
"setterDocumentation" : "/**<p>The length of the reservation's term, specified in seconds. Can be<br>&lt;code&gt;31536000 (1 year)&lt;/code&gt; | &lt;code&gt;94608000 (3 years)&lt;/code&gt;.
@param duration The length of the reservation's term, specified in seconds. Can be &lt;code&gt;31536000 (1 year)&lt;/code&gt; | &lt;code&gt;94608000 (3 years)&lt;/code&gt;.*/",
"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The length of the reservation's term, specified in seconds. Can be<br>&lt;code&gt;31536000 (1 year)&lt;/code&gt; | &lt;code&gt;94608000 (3 years)&lt;/code&gt;.
@param duration The length of the reservation's term, specified in seconds. Can be &lt;code&gt;31536000 (1 year)&lt;/code&gt; | &lt;code&gt;94608000 (3 years)&lt;/code&gt;.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "&lt;p&gt;The length of the reservation's term, specified in seconds. Can be &lt;code&gt;31536000 (1 year)&lt;/code&gt; | &lt;code&gt;94608000 (3 years)&lt;/code&gt;.&lt;/p&gt;",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"End" : {
  "c2jName" : "End",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The date and time that the reservation ends.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "*/<p>The date and time that the reservation ends.&lt;/p&gt;
@param end The date and time that the reservation ends.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEnd",
  "getterDocumentation" : "*/<p>The date and time that the reservation ends.&lt;/p&gt;
@return The date and time that the reservation ends.*/",
  "getterMethodName" : "getEnd",
  "getterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "end",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "End",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "end",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "End",
"setterDocumentation" : "/**<p>The date and time that the reservation ends.</p>
@param end The date and time that the reservation ends.*/",
"setterMethodName" : "setEnd",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "end",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time that the reservation ends.</p>\n@param end The date and time that the reservation ends.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "end",
"variableType" : "java.util.Date",
"documentation" : "<p>The date and time that the reservation ends.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"HostIdSet" : {
"c2jName" : "HostIdSet",
"c2jShape" : "ResponseHostIdSet",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostIdSet",
"getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@return The IDs of the Dedicated Hosts associated with the reservation.*/",
"getterMethodName" : "getHostIdSet",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "hostIdSet",
"uri" : false
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"list" : true,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",}
"getterMethodName" : "getMember",
"getterModel" : {
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    "documentation" : null
  },
"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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@param member */",
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"setterModel" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
"xmlNameSpaceUri" : null
"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.
*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
<NOTE:@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.
@link #setHostIdSet(java.util.Collection) or @link #withHostIdSet(java.util.Collection) if you want to override the existing values.
@returns reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the Dedicated Hosts associated with the reservation.<p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"HostReservationId" : {
  "c2jName" : "HostReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the reservation that specifies the associated Dedicated Hosts."}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
@param hostReservationId The ID of the reservation that specifies the associated Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostReservationId",
"getterDocumentation" : "/**<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
@return The ID of the reservation that specifies the associated Dedicated Hosts.*/",
"getterMethodName" : "getHostReservationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostReservationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hostReservationId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostReservationId",
"setterDocumentation" : "/**<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
@param hostReservationId The ID of the reservation that specifies the associated Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHostReservationId",
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  "variableName" : "hostReservationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
@param hostReservationId The ID of the reservation that specifies the associated Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/"
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    "variableName" : "hostReservationId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
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"HourlyPrice" : {
    "c2jName" : "HourlyPrice",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The hourly price of the reservation.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The hourly price of the reservation.</p>
@param hourlyPrice The hourly price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withHourlyPrice",
    "getterDocumentation" : "/**<p>The hourly price of the reservation.</p>
@return The hourly price of the reservation.*/",
    "getterMethodName" : "getHourlyPrice",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "HourlyPrice",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "hourlyPrice",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "HourlyPrice",
}
"setterDocumentation" : "/**<p>The hourly price of the reservation.</p>
@param hourlyPrice The hourly price of the reservation.</p>*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "hourlyPrice",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly price of the reservation.</p>
@param hourlyPrice The hourly price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
    "documentation" : "<p>The hourly price of the reservation.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,

"InstanceFamily" : {
    "c2jName" : "InstanceFamily",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>*/",
    "fluentSetterMethodName" : "withInstanceFamily",
    "getterDocumentation" : "/**<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>*/",
    "getterMethodName" : "getInstanceFamily",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "method" : "GET",
        "endpoint" : "https://dhs.retailcloud.com/instance-families",
        "response" : {
            "groupId" : "String",
            "instanceFamilyId" : "String",
            "reserved" : false,
            "isEligible" : true
        }
    }
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "InstanceFamily",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceFamily",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceFamily",
"setterDocumentation" : "/**
<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>
@param
instanceFamily The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceFamily",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceFamily",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>
@param
instanceFamily The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
"OfferingId" : {
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.

@param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
@return Returns a reference to this object so that method calls can be chained together.
"/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.

@return The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
"/",
"getterMethodName" : "getOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.

@param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
@return Returns a reference to this object so that method calls can be chained together.
"/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
@param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
@return Returns a reference to this object so that method calls can be chained together */",
"variable" : {
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  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
  @param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
  @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PaymentOption" : {
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  "c2jShape" : "PaymentOption",
  "deprecated" : false,
  "documentation" : "The payment option selected for this reservation.
  @param paymentOption The payment option selected for this reservation.
  @return Returns a reference to this object so that method calls can be chained together.
  @see PaymentOption*/",
  "fluentSetterMethodName" : "withPaymentOption",
  "getterDocumentation" : "The payment option selected for this reservation.
  @return The payment option selected for this reservation.
  @see PaymentOption*/",
  "getterMethodName" : "getPaymentOption",
  "getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unnmarshallLocationName" : "paymentOption",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentOption",
"setterDocumentation" : "/**\n* The payment option selected for this reservation.\n* @param paymentOption The payment option selected for this reservation.\n* @see PaymentOption*/",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The payment option selected for this reservation.\n* @param paymentOption The payment option selected for this reservation.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see PaymentOption*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "<p>The payment option selected for this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Start" : {
  "c2jName" : "Start",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The date and time that the reservation started.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* The date and time that the reservation started.\n* @param start The date and time that the reservation started.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStart",
  "setterDocumentation" : "/**\n* The date and time that the reservation started.\n* @param start The date and time that the reservation started.\n* @see DateTime*/",
  "setterMethodName" : "setStart",
  "setterModel" : {
    "variableDeclarationType" : "DateTime",
    "variableName" : "start",
    "variableType" : "DateTime",
    "documentation" : "",
    "simpleType" : "DateTime",
    "variableSetterType" : "DateTime"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n* The date and time that the reservation started.\n* @param start The date and time that the reservation started.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "DateTime",
    "variableName" : "start",
    "variableType" : "DateTime",
    "documentation" : "<p>The date and time that the reservation started.</p>",
    "simpleType" : "DateTime",
    "variableSetterType" : "DateTime"
  }
}
}
"getterDocumentation" : "/**<p>The date and time that the reservation started.</p>
@return The date and time that the reservation started.*/",
"getterMethodName" : "getStart",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Start",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "start",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Start",
"setterDocumentation" : "/**<p>The date and time that the reservation started.</p>
@param start The date and time that the reservation started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStart",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "start",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time that the reservation started.</p>
@param start The date and time that the reservation started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "start",
  "variableType" : "java.util.Date",
  "documentation" : ""}
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"State" : {
"c2jName" : "State",
"c2jShape" : "ReservationState",
"deprecated" : false,
"documentation" : "<p>The state of the reservation.</p>",
"enumType" : "ReservationState",
"fluentSetterDocumentation" : "/*<p>The state of the reservation.</p>
@param state The state of the reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservationState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/*<p>The state of the reservation.</p>
@return The state of the reservation.
@see ReservationState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/*<p>The state of the reservation.</p>
@param state The state of the reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservationState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableSetterType" : "java.util.Date"}
"variableName" : "state",
"variableType" : "String",
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"simple" : true,
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*param state The state of the reservation.
*return Returns a reference to this object so that method calls can be chained together.
*see ReservationState*/",
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"documentation" : "The state of the reservation.",
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*param upfrontPrice The upfront price of the reservation.
*return Returns a reference to this object so that method calls can be chained together.
*see UpfrontPrice*/",
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*return The upfront price of the reservation.
*see UpfrontPrice*/",
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*@param upfrontPrice The upfront price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "deprecated": false,
  "documentation": "",
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      "value": "dedicated"
    },
    {
      "name": "Host",
      "value": "host"
    }
  ],
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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  "members": null,
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  "requestSignerClassFqcn": null,
  "required": null,
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  "unmarshaller": {
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    "variableType": "HostTenancy",
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    "variableSetterType": "HostTenancy"
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  "documentation" : "",
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    "value" : "ovm"
  }, {
    "name" : "Xen",
    "value" : "xen"
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  "members" : null,
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  "requestSignerClassFqn" : null,
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    "variableType" : "HypervisorType",
    "documentation" : null,
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    "variableSetterType" : "HypervisorType"
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  "wrapper" : false
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"errorCode" : null,
"hasHeaderMember" : false,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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  "c2jShape" : "String",
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  "documentation" : "<p>The Amazon Resource Name (ARN) of the instance profile.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Amazon Resource Name (ARN) of the instance profile.</p>
@param arn The Amazon Resource Name (ARN) of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withArn",
  "getterDocumentation" : "/**<p>The Amazon Resource Name (ARN) of the instance profile.</p>
@return The Amazon Resource Name (ARN) of the instance profile.*/",
  "getterMethodName" : "getArn",
  "getterModel" : {
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    "documentation" : null
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  "documentation" : "",
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  "variableSetterType" : "String"
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@param arn The Amazon Resource Name (ARN) of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.
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  "c2jShape" : "String",
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  "fluentSetterDocumentation" : "/**<p>The ID of the instance profile.</p>
@param id The ID of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withId",
  "getterDocumentation" : "/**<p>The ID of the instance profile.</p>
@return The ID of the instance profile.
*/",
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  "getterModel" : {
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    "documentation" : null
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@param id The ID of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@returns Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation" : "/**
<p>The ID of the instance profile.</p>

@returns The ID of the instance profile.
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<p>The ID of the instance profile.</p>

@returns The ID of the instance profile.
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  "documentation": null,
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  "variableSetterType": "IamInstanceProfile"
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"wrapper": false
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    "skipGeneratingUnmarshaller": false
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    "documentation": null
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  "map": false,
  "mapModel": null,
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  "setterMethodName": "setAssociationId",
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"map": false,
"mapModel": null,
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"setterMethodName": "setAssociationId",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the association.</p>
@param associationId The ID of the association.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the association.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
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@param instanceId The ID of the instance.*/",
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    "documentation" : "",
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    "variableSetterType" : "String"
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfile",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile.</p>
@return The IAM instance profile.*/",
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "IamInstanceProfile",
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"setterMethodName" : "setIamInstanceProfile",
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  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfile",
  "documentation" : "",
  "simpleType" : "IamInstanceProfile",
  "variableSetterType" : "IamInstanceProfile"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfile",
  "documentation" : "<p>The state of the association.\n\n@param state The state of the association.\n\n@type State\n</p>",
  "variableSetterType" : "IamInstanceProfile"
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"c2jShape" : "IamInstanceProfileAssociationState",
"deprecated" : false,
"documentation" : "<p>The state of the association.\n\n@type State\n</p>",
"enumType" : "IamInstanceProfileAssociationState",
"fluentSetterDocumentation" : "/**<p>The state of the association.\n\n@type State\n</p>"}
association.

@ see
IamInstanceProfileAssociationState#/

"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the association.</p>*/

@ see
IamInstanceProfileAssociationState#/

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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the association.</p>*/

@ see
IamInstanceProfileAssociationState#/

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  "variableName" : "state",
  "variableType" : "String",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the association.</p>*/

@ see
IamInstanceProfileAssociationState#/

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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The state of the association.
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@return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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      "fluentSetterDocumentation" : "/**<p>The Amazon Resource Name (ARN) of the instance profile.</p>
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      "getterDocumentation" : "/**<p>The Amazon Resource Name (ARN) of the instance profile.</p>
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      *returns */",
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The Amazon Resource Name (ARN) of the instance profile.",
  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the instance profile.",
  "complexType" : "null",
  "fluentSetterDocumentation" : "/*\n@param name The name of the instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/*\n@return The name of the instance profile.*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Name",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "name",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>The name of the instance profile.</p>
@param name The name of the instance profile.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the instance profile.</p>
@param name The name of the instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The name of the instance profile.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "IamInstanceProfileSpecification",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",null
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"variableName": "iamInstanceProfileSpecification",
"variableType": "IamInstanceProfileSpecification",
"documentation": null,
"simpleType": "IamInstanceProfileSpecification",
"variableSetterType": "IamInstanceProfileSpecification"
},
"wrapper": false
},
"IcmpTypeCode": {
"c2jName": "IcmpTypeCode",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes the ICMP type and code.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
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"c2jName": "Type",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The ICMP type. A value of -1 means all types.</p>",
"enumType": null,
"fluentSetterDocumentation": "///<p>The ICMP type. A value of -1 means all types.</p>@param type The ICMP type. A value of -1 means all types.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withType",
"getterDocumentation": "///<p>The ICMP type. A value of -1 means all types.</p>@return The ICMP type. A value of -1 means all types.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterMethodName": "getType",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**<p>The ICMP type. A value of -1 means all types.</p>
@param type The ICMP type. A value of -1 means all types.</param>*/",
"setterMethodName" : "setType",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "type",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ICMP type. A value of -1 means all types.</p>
@param type The ICMP type. A value of -1 means all types.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "type",
  "variableType" : "Integer",
  "documentation" : "<p>The ICMP type. A value of -1 means all types.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Code",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>
@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withCode",
"getterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.\n@return The ICMP code. A value of -1 means all codes for the specified ICMP type.*/\n*/",
"getterMethodName" : "getCode",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Code",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.\n@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.\n@return Returns a reference to this object so that method calls can be chained together.*/\n*/",
"setterMethodName" : "setCode",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "code",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.\n@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.\n@return Returns a reference to this object so that method calls can be chained together.*/\n*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "code",
"variableType" : "Integer"
"documentation" : "<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
  "Code" : {
    "c2jName" : "Code",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>
@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withCode",
    "getterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>
@return The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>*/",
    "getterMethodName" : "getCode",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "location" : null,
      "marshallLocationName" : "Code",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "code",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Code",
    "setterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>
@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "setterMethodName" : "setCode",
    },
"marshallLocationName": "Type",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "type",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Type",
"setterDocumentation": "/**<p>The ICMP type. A value of -1 means all types.</p>
@param type The ICMP type. A value of -1 means all types.</param*/",
"setterMethodName": "setType",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "type",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ICMP type. A value of -1 means all types.</p>
@param type The ICMP type. A value of -1 means all types.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "type",
  "variableType": "Integer",
  "documentation": "<p>The ICMP type. A value of -1 means all types.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "IcmpTypeCode",
"unmarshall": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "IcmpTypeCode",
  "variableName": "type",
  "variableType": "IcmpTypeCode",
  "documentation": "<p>The ICMP type. A value of -1 means all types.</p>",
  "simpleType": "IcmpTypeCode",
  "variableSetterType": "IcmpTypeCode"
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"variableName" : "icmpTypeCode",
"variableType" : "IcmpTypeCode",
"documentation" : null,
"simpleType" : "IcmpTypeCode",
"variableSetterType" : "IcmpTypeCode"
}
,"wrapper" : false
},
"IdFormat" : {
"c2jName" : "IdFormat",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "\"<p>Describes the ID format for a resource.\</p>\"",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshal" : null,
 "members" : [ { 
 "c2jName" : "Resource",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "\"<p>The type of resource.\</p>\"",
 "enumType" : null,
 "fluentSetterDocumentation" : "\"/\*\*<p>The type of resource.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/\"",
 "fluentSetterMethodName" : "withResource",
 "getterDocumentation" : "\"/\*\*<p>The type of resource.\</p>\n@return The type of resource.*/\"",
 "getterMethodName" : "getResource",
 "getterModel" : { 
 "returnType" : "String",
 "documentation" : null
 },
 "http" : { 
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UseLongIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "useLongIds",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UseLongIds",
"setterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>
@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.*/",
"setterMethodName" : "setUseLongIds",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>
@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.

```java
/**
 * The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.
 * @param deadline The date in UTC at which you are permanently switched over to using longer IDs.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public void withDeadline(java.util.Date deadline) {
    // Implementation...
}
```

```java
public java.util.Date getDeadline() {
    // Implementation...
}
```
this resource type, this field is not returned.*/
        "setterMethodName" : "setDeadline",
        "setterModel" : {
            "variableDeclarationType" : "java.util.Date",
            "variableName" : "deadline",
            "variableType" : "java.util.Date",
            "documentation" : "",
            "simpleType" : "Date",
            "variableSetterType" : "java.util.Date"
        },
        "simple" : true,
        "varargSetterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>
@p>\n@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.\n@return Returns a reference to this object so that method calls can be chained together.*/
        "variable" : {
            "variableDeclarationType" : "java.util.Date",
            "variableName" : "deadline",
            "variableType" : "java.util.Date",
            "documentation" : "<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>
            "simpleType" : "Date",
            "variableSetterType" : "java.util.Date"
        },
        "xmlNameSpaceUri" : null
    ],
    "membersAsMap" : {
        "Deadline" : {
            "c2jName" : "Deadline",
            "c2jShape" : "DateTime",
            "deprecated" : false,
            "documentation" : "<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>\n@p>\n@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.\n@return Returns a reference to this object so that method calls can be chained together.*/
            "fluentSetterMethodName" : "withDeadline",
            "getterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>\n@p>\n@return The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.*/
            "getterMethodName" : "getDeadline",
            "getterModel" : {
                "returnType" : "java.util.Date"
            },
            "xmlNameSpaceUri" : null
        }
    },
    "xmlNameSpaceUri" : null
},
"variablesAsMap" : {
    "Deadline" : {
        "c2jName" : "Deadline",
        "c2jShape" : "DateTime",
        "deprecated" : false,
        "documentation" : "<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>\n@p>\n@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.\n@return Returns a reference to this object so that method calls can be chained together.*/
        "fluentSetterMethodName" : "withDeadline",
        "getterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>\n@p>\n@return The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.*/
        "getterMethodName" : "getDeadline",
        "getterModel" : {
            "returnType" : "java.util.Date"
        },
        "xmlNameSpaceUri" : null
    }
},
"xmlNameSpaceUri" : null
}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Deadline",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deadline",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Deadline",
"setterDocumentation" : "**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>\n@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.\n@return Returns a reference to this object so that method calls can be chained together.**",
"setterMethodName" : "setDeadline",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "deadline",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>
@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.
@return Returns a reference to this object so that method calls can be chained together.**",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "deadline",
  "variableType" : "java.util.Date",
  "documentation" : "The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned."
}
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Resource" : {
"c2jName" : "Resource",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The type of resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The type of resource.</p><p>@param resource The type of resource.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResource",
"getterDocumentation" : "/**<p>The type of resource.</p><p>@return The type of resource.</p>
@return The type of resource.*/",
"getterMethodName" : "getResource",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Resource",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "resource",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource.</p><p>@param resource The type of resource.</p>
@return The type of resource.*/",
"setterMethodName" : "setResource",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resource",
"variableType" : "String",
"documentation" : ">"
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource.
@param resource The type of resource.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "<p>The type of resource.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
",
"UseLongIds" : {
  "c2jName" : "UseLongIds",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>
  @param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.
  @return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withUseLongIds",
  "getterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>
  @return Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>*/",
  "getMethodName" : "getUseLongIds",
  "getModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UseLongIds",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "useLongIds",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UseLongIds",
"setterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>*/
@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.

@returns Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setUseLongIds",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.*/
@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "IdFormat",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "idFormat",
  "variableType" : "IdFormat",
  "documentation" : null,
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the AMI.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "ImageLocation",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The location of the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The location of the AMI.</p>
@n@param imageLocation The location of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageLocation",
"getterDocumentation" : "<p>The location of the AMI.</p>
@n@return The location of the AMI.*/",
"getterMethodName" : "getImageLocation",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageLocation",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageLocation",
"setterDocumentation" : "/**<p>The location of the AMI.</p>@param imageLocation The location of the AMI.*/",
"setterMethodName" : "setImageLocation",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "imageLocation",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The location of the AMI.</p>@param imageLocation The location of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType" : "String",
 "documentation" : "<p>The location of the AMI.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlnsNamespaceUri" : null
},
{ "c2jName" : "State",
 "c2jShape" : "ImageState",
 "deprecated" : false,
 "documentation" : "<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>",
 "enumType" : "ImageState"
"fluentSetterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>\n@param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ImageState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>\n@return The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.\n@see ImageState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageState",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>\n@param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.\n@see ImageState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"varargSetterDocumentation" : "/** <p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance. </p>
@see ImageState*/",
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"OwnerId" : {
  "c2jName" : "OwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the image owner.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>The AWS account ID of the image owner. </p>
@see ownerId The AWS account ID of the image owner. 
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withOwnerId",
  "getterDocumentation" : "/** <p>The AWS account ID of the image owner. </p>
@return The AWS account ID of the image owner. */",
  "getterMethodName" : "getOwnerId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",
"setterDocumentation": "/**<p>The AWS account ID of the image owner.</p>
@param ownerId The AWS account ID of the image owner.*/",
"setterMethodName": "setOwnerId",
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  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The AWS account ID of the image owner.</p>
@param ownerId The AWS account ID of the image owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "<p>The AWS account ID of the image owner.</p>

"simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "CreationDate",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The date and time the image was created.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The date and time the image was created.</p>
@param creationDate The date and time the image was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCreationDate",
"getterDocumentation": "/**<p>The date and time the image was created.</p>
@return The date and time the image was created.*/",
"getterMethodName": "getCreationDate",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CreationDate",
"setterDocumentation": "/**<p>The date and time the image was created.</p>
@param creationDate The date and time the image was created.*/",
"setterMethodName": "setCreationDate",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "creationDate",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The date and time the image was created.</p>
@param creationDate The date and time the image was created.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "creationDate",
  "variableType": "String",
  "documentation": "<p>The date and time the image was created.</p>
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  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jShape": "Boolean"}
"deprecated" : false,
"documentation" : "<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.\n@param publicValue Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPublic",
"getterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.\n@return Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.*/",
"getterMethodName" : "getPublic",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IsPublic",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "isPublic",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Public",
"setterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.\n@param publicValue Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.*/",
"setterMethodName" : "withPublic"
"setterMethodName": "setPublic",
"setterModel": {
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  "variableName": "publicValue",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>
@param publicValue Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>
@return Returns a reference to this object so that method calls can be chained together.</code><p>*/",
  "variable": {
    "variableDeclarationType": "Boolean",
    "variableName": "publicValue",
    "variableType": "Boolean",
    "documentation": "<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
  },
  "xmlNameSpaceUri": null
},
"c2jName": "ProductCodes",
"c2jShape": "ProductCodeList",
"deprecated": false,
"documentation": "<p>Any product codes associated with the AMI.</p>
@param productCodes Any product codes associated with the AMI.
@return Returns a reference to this object so that method calls can be chained together.</code><p>*/",
  "fluentSetterDocumentation": "/**<p>Any product codes associated with the AMI.</p>
@param productCodes Any product codes associated with the AMI.
@return Returns a reference to this object so that method calls can be chained together.</code><p>*/",
  "fluentSetterMethodName": "withProductCodes",
  "getterDocumentation": "/**<p>Any product codes associated with the AMI.</p>
@return Any product codes associated with the AMI.</code><p>*/",
  "getterMethodName": "getProductCodes",
  "getterModel": {
    "returnType": "java.util.List<ProductCode>",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ProductCodes",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "productCodes",
"uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
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  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ProductCode",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ProductCode",
    "variableName" : "member",
    "variableType" : "ProductCode",
    "documentation" : "",
    "simpleType" : "ProductCode",
    "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "ProductCode",
    "variableName" : "member",
    "variableType" : "ProductCode",
    "documentation" : "",
    "simpleType" : "ProductCode",
    "variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>"
},
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>Any product codes associated with the AMI.</p>
@param productCodes Any product codes associated with the AMI.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
    "variableName" : "productCodes",
    "variableType" : "ProductCode",
    "documentation" : "",
    "simpleType" : "ProductCode",
    "variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
}
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any product codes associated with the AMI.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {
@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>
@param productCodes Any product codes associated with the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "<p>Any product codes associated with the AMI.</p>",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Architecture",
"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
"fluentSetterDocumentation" : "/**<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "/**<p>The architecture of the image.</p>
@return The architecture of the image.
@see ArchitectureValues*/",
"getterMethodName" : "getArchitecture",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Architecture",
"queryString" : false,
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "location" : null,
  "marshallLocationName" : "ImageType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "imageType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageType",
"setterDocumentation" : "/**<p>The type of image.</p>
@param imageType The type of image.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageTypeValues*/",
"setterMethodName" : "setImageType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of image.</p>
@param imageType The type of image.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageTypeValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageType",
  "variableType" : "String",
  "documentation" : "<p>The type of image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"variableSetterType" : "String",
",
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The kernel associated with the image, if any. Only applicable for machine images.</p>\n@param kernelId The kernel associated with the image, if any. Only applicable for machine images.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The kernel associated with the image, if any. Only applicable for machine images.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>\n@param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine images.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**\n<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>\n@return The RAM disk associated with the image, if any. Only applicable for machine images.*/",
"getterMethodName" : "getRamdiskId",
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  "location" : null,
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}
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"setterDocumentation": "/**<p>The RAM disk associated with the image, if any. Only applicable for machine images.<p>\n@param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine images.</p>*/",
"setterMethodName": "setRamdiskId",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The RAM disk associated with the image, if any. Only applicable for machine images.<p>\n@param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine images.<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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"deprecated": false,
"documentation": "<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>",
"enumType": "PlatformValues",
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  "variableSetterType" : "String"
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@param platform The value is <code>Windows</code> for Windows AMIs; otherwise blank.
@see PlatformValues*/",
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  "documentation" : "",
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@param platform The value is <code>Windows</code> for Windows AMIs; otherwise blank.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
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  "variableType" : "String",
  "documentation" : "<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>",
  "simpleType" : "String",..."}
"variableSetterType" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@return Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</param>",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Specifies whether enhanced networking with ENA is enabled.*/",
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@param stateReason The reason for the state change.
@return Returns a reference to this object so that method calls can be chained together.*IZED*/",
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@param stateReason The reason for the state change.
@return The reason for the state change.*IZED*/"
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\n* @param stateReason The reason for the state change.
\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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\n* @param stateReason The reason for the state change.
\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "StateReason"
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"c2jShape" : "String",
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"documentation" : "<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>
@param imageOwnerAlias The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.<n>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>
@return The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.*/",
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"isStreaming" : false,
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"name" : "ImageOwnerAlias",
"setterDocumentation" : "/**<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>
@param imageOwnerAlias The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.<n>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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<code>self</code>) or the AWS account ID of the AMI owner.</p>
@param imageOwnerAlias The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
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the AWS account ID of the AMI owner.</p>",
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}, {
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"c2jShape" : "String",
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@param name The name of the AMI that was provided during image creation.
@return The name of the AMI that was provided during image creation.*/",
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"getterDocumentation" : "<p>The name of the AMI that was provided during image creation.</p>
@return The name of the AMI that was provided during image creation.*/",
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"returnType" : "String",
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  "c2jShape" : "DeviceType",
  "deprecated" : false,
  "documentation" : "<p>The type of root device used by the AMI. The AMI can use an EBS volume or an
instance store volume.</p>",
  "enumType" : "DeviceType",
  "fluentSetterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS
volume or an instance store volume.</p>
@param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS volume or
an instance store volume.
@return Returns a reference to this object so that method calls can be chained together.
@see DeviceType*/",
  "fluentSetterMethodName" : "withRootDeviceType",
  "getterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS volume or
an instance store volume.</p>
@return The type of root device used by the AMI. The AMI can use an EBS volume or
an instance store volume.
@see DeviceType*/",
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    "documentation" : null
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    "unmarshallLocationName" : "rootDeviceType",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RootDeviceType",
  "setterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS volume or
an instance store volume.</p>
@param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS volume or
an instance store volume.
@return Returns a reference to this object so that method calls can be chained together.
@see DeviceType*/",
  "setterMethodName" : "setRootDeviceType",
  "setterModel" : {
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    "variableType" : "RootDeviceType",
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  "targetClass" : "RootDeviceType",
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  "usageHints" : [{
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instance store volume.
"},
  "xsdLocation" : null}]

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"variableName": "rootDeviceType",
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"documentation": "",
"simpleType": "String",
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*param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.
@return Returns a reference to this object so that method calls can be chained together.
@see DeviceType*/",
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"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"c2jName": "RootDeviceName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
*param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).
@return Returns a reference to this object so that method calls can be chained together.</*/",
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@return The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",
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"getterModel": {
"returnType": "String",
"documentation": null
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"listModel" : null,
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"name" : "RootDeviceName",
"setterDocumentation" : "/**<p>The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).<p>
@returns Returns a reference to this object so that method calls can be chained together.*/
@param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",
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"xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>Any block device mapping entries.<p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any block device mapping entries.<p>
  @param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).<p>
  @returns Returns a reference to this object so that method calls can be chained together.*/
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  "parameterType" : "String",
  "returnType" : "BlockDeviceMappingList"
}
blockDeviceMappings Any block device mapping entries.

@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>Any block device mapping entries.</p><p>\n\n@return Any block device mapping entries.*"/

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  "documentation" : null
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  "uri" : false
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"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n  @param member \n  @return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n  @return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "BlockDeviceMapping",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
"simple": false,
"simpleType": "BlockDeviceMapping",
"templateImplType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType": "java.util.List<BlockDeviceMapping>",
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/**\n * Any block device mapping entries.
 * \n * @param blockDeviceMappings Any block device mapping entries.*/",
"setterMethodName": "setBlockDeviceMappings",
"setterModel": {
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  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>",
},
"simple": false,
"varargSetterDocumentation": "/**\n * Any block device mapping entries.
 * \n * NOTE: This method appends the values to the existing list (if any). Use \{@link #setBlockDeviceMappings(java.util.Collection)\} or \{@link #withBlockDeviceMappings(java.util.Collection)\} if you want to override the existing values.\n * @param blockDeviceMappings Any block device mapping entries.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "Any block device mapping entries.\n",  
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>",
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"c2jShape": "VirtualizationType",
"deprecated": false,
"documentation": "The type of virtualization of the AMI.\n",  
"enumType": "VirtualizationType",
"fluentSetterDocumentation": "/**\n * The type of virtualization of the AMI.\n * @param virtualizationType The type of virtualization of the AMI.\n * @return Returns a reference to this object so that method calls can be chained together.\n * \n * @see VirtualizationType*/",
"fluentSetterMethodName": "withVirtualizationType",
"getterDocumentation": "/**\n * The type of virtualization of the AMI.\n * @return The type of virtualization of the AMI.\n * \n * @see VirtualizationType*/",
"getterMethodName": "getVirtualizationType",
"getterModel": {
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"documentation" : null
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "virtualizationType",
"uri" : false
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"idempotencyToken" : false,
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"mapModel" : null,
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"setterDocumentation" : "/**<p>The type of virtualization of the AMI.
@see VirtualizationType</p>*/",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of virtualization of the AMI.
@see VirtualizationType</p>*/",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"returnType" : "Tag",
"documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "uri" : false
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 "map" : false,
 "mapModel" : null,
 "name" : "Member",
 "setterDocumentation" : "/**
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 "setterMethodName" : "setMember",
 "setterModel" : {
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  "variableName" : "member",
  "variableType" : "Tag",
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  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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 "simple" : false,
 "varargSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that
 * method calls can be chained together.
 */",
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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 "xmlNameSpaceUri" : null
},
 "memberLocationName" : "item",
"memberType" : "Tag",
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Tag>
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"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the image.</p>
@param tags Any tags assigned to the image.
*/",
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"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the image.</p>
@param tags Any tags assigned to the image.
@return Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
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  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the image.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Hypervisor",
"c2jShape" : "HypervisorType",
"deprecated" : false,
"documentation" : "<p>The hypervisor type of the image.</p>",
"enumType" : "HypervisorType",
"fluentSetterDocumentation" : "/**<p>The hypervisor type of the image.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
"fluentSetterMethodName": "withHypervisor",
"getterDocumentation": "/**<p>The hypervisor type of the image.</p>
@returns The hypervisor type of the image.
@see HypervisorType*/",
"getterMethodName": "getHypervisor",
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "hypervisor",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Hypervisor",
"setterDocumentation": "/**<p>The hypervisor type of the image.</p>
@param hypervisor The hypervisor type of the image.
@see HypervisorType*/",
"setterMethodName": "setHypervisor",
"setterModel": {
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  "variableName": "hypervisor",
  "variableType": "String",
  "documentation": "",
  "simple": true,
  "variableSetterType": "String"
},
"varargSetterDocumentation": "/**<p>The hypervisor type of the image.</p>
@param hypervisor The hypervisor type of the image.
@returns Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
"variable": {
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  "variableName": "hypervisor",
  "variableType": "String"}
"documentation" : "<p>The hypervisor type of the image.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
"Architecture" : {
"c2jName" : "Architecture",
"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "<p>The architecture of the image.</p>",
"enumType" : "ArchitectureValues",
"fluentSetterDocumentation" : "/**<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "/**<p>The architecture of the image.</p>
@return The architecture of the image.
@see ArchitectureValues*/",
"getterMethodName" : "getArchitecture",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "architecture",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
"setterMethodName" : "setArchitecture",}
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"varargSetterDocumentation" : "<p>The architecture of the image.</p>@param architecture The architecture of the image.@return Returns a reference to this object so that method calls can be chained together.@see ArchitectureValues*/",
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    "variableType" : "String",
    "documentation" : "The architecture of the image.\n<p>The architecture of the image.<p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"BlockDeviceMappings" : {
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    "c2jShape" : "BlockDeviceMappingList",
    "deprecated" : false,
    "documentation" : "Any block device mapping entries.\n<p>Any block device mapping entries.\n<p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>Any block device mapping entries.\n<p>@param blockDeviceMappings Any block device mapping entries.\n<p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withBlockDeviceMappings",
    "getterDocumentation" : "<p>Any block device mapping entries.\n<p>@return Any block device mapping entries.*/",
    "getterMethodName" : "getBlockDeviceMappings",
    "getterModel" : {
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        "documentation" : null
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        "greedy" : false,
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"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "BlockDeviceMapping",
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    "documentation" : "",
    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getMethodDocumentation" : "/**\n@\n*/",
    "getMethodFieldName" : "getBlockDeviceMapping",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@\n*/",
}}
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"setterModel" : {
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    "variableName" : "member",
    "variableType" : "BlockDeviceMapping",
    "documentation" : "",
    "simpleType" : "BlockDeviceMapping",
    "variableSetterType" : "BlockDeviceMapping"
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"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableName" : "member",
    "variableType" : "BlockDeviceMapping",
    "documentation" : "",
    "simpleType" : "BlockDeviceMapping",
    "variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>Any block device mapping entries.</p>
@param blockDeviceMappings Any block device mapping entries.</p>*/",
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"setterModel" : {
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    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<BlockDeviceMapping>",
    "documentation" : "",
    "simpleType" : "List<BlockDeviceMapping>",
    "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "Any block device mapping entries.",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
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},
"CreationDate" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The date and time the image was created.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The date and time the image was created.",
  "fluentSetterMethodName" : "withCreationDate",
  "getterDocumentation" : "The date and time the image was created.",
  "getterMethodName" : "getCreationDate",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "creationDate",
    "uri" : false
  }
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "CreationDate",
"setterDocumentation" : "/**<p>The date and time the image was created.</p>
@param creationDate The date and time the image was created.*/",
"setterMethodName" : "setCreationDate",
"setterModel" : {
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    "variableName" : "creationDate",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the image was created.</p>
@param creationDate The date and time the image was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>The date and time the image was created.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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},
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The description of the AMI that was provided during image creation.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The description of the AMI that was provided during image creation.</p>
@param description The description of the AMI that was provided during image creation.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>The description of the AMI that was provided during image creation.</p>
@return The description of the AMI that was provided during image creation.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
}
"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description of the AMI that was provided during image
creation.</p>\n@param description The description of the AMI that was provided during image creation.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description of the AMI that was provided during image
creation.</p>
@param description The description of the AMI that was provided during image creation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "The description of the AMI that was provided during image creation.<p>
    \n    @param description The description of the AMI that was provided during image creation.
    \n    @return Returns a reference to this object so that method calls can be chained together.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"EnaSupport" : {
    "c2jName" : "EnaSupport",}
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@return Specifies whether enhanced networking with ENA is enabled.*",
"getterMethodName" : "getEnaSupport",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "enaSupport",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName" : "setEnaSupport",
"setterModel" : {
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  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "Boolean",
    "documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Hypervisor" : {
    "c2jName" : "Hypervisor",
    "c2jShape" : "HypervisorType",
    "deprecated" : false,
    "documentation" : "<p>The hypervisor type of the image.</p>",
    "enumType" : "HypervisorType",
    "fluentSetterDocumentation" : "/**<p>The hypervisor type of the image.</p>
@param hypervisor The hypervisor type of the image.
@return Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
    "fluentSetterMethodName" : "withHypervisor",
    "getterDocumentation" : "/**<p>The hypervisor type of the image.</p>
@return The hypervisor type of the image.
@see HypervisorType*/",
    "getterMethodName" : "getHypervisor",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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  "variableType" : "String",
  "documentation" : "",
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@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "String",
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  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.
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",
  "enumType": "ImageTypeValues",
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@param imageType The type of image.
@return Returns a reference to this object so that method calls can be chained together.
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  "getterDocumentation": "/** The type of image. */
@return The type of image.
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images.\n@return Returns a reference to this object so that method calls can be chained together.*/
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
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@return Returns a reference to this object so that method calls can be chained together.*\*/
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creation.

```json
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  "variableName" : "name",
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  "documentation" : "",
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  "variableSetterType" : "String"
},
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```

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"isStreaming" : false,
"location" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
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    "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "enumType" : "PlatformValues",
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@return Returns a reference to this object so that method calls can be chained together.\n@see
"
PlatformValues*/",
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        "variableSetterType" : "String"
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    "varargSetterDocumentation" : "/**<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>
@param.platform The value is <code>Windows</code> for Windows AMIs; otherwise blank.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/";
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    "documentation" : "<p>Any product codes associated with the AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : /**<p>Any product codes associated with the AMI.</p>*/
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    productCodes Any product codes associated with the AMI.
    @return Returns a reference to this object so that
    method calls can be chained together.*/
,    "fluentSetterMethodName" : "withProductCodes",
    "getterDocumentation" : /**<p>Any product codes associated with the AMI.</p>*/
    "@return Any product
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    */
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        "interfaceType" : "java.util.List",
        "listMemberModel" : {
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        }
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"header": false,
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"statusCode": false,
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"uri": false
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"list": false,
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"mapModel": null,
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"documentation": "",
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"variableSetterType": "ProductCode"
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  "variableType" : "ProductCode",
  "documentation" : "",
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  "variableSetterType" : "ProductCode"
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"simple" : false,
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"templateType" : "java.util.List<ProductCode>",
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**\<p>Any product codes associated with the AMI.\</p>\n@param productCodes
Any product codes associated with the AMI.*\n*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\<p>Any product codes associated with the
AMI.\</p>\n\<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override
the existing values.\</p>\n@param productCodes
Any product codes associated with the AMI.\n@returns Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"}
}
"variableSetterType" : "java.util.Collection<ProductCode>",
},
"xmlNameSpaceUri" : null
},
"Public" : {
 "c2jName" : "Public",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Indicates whether the image has public launch permissions. The value is
<code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and
explicit launch permissions.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is
<code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and
explicit launch permissions.</p>\n@publicValue Indicates whether the image has public launch permissions.
The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withPublic",
 "getterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is
<code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and
explicit launch permissions.</p>\n@return Indicates whether the image has public launch permissions. The value is
<code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.*/",
 "getterMethodName" : "getPublic",
 "getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "IsPublic",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "isPublic",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
"mapModel": null,
"name": "Public",
"setterDocumentation": "/**
 * Indicates whether the image has public launch permissions. The value is 
 * <code>true</code> if this image has public launch permissions or 
 * <code>false</code> if it has only implicit and 
 * explicit launch permissions.<p>
 * @param publicValue Indicates whether the image has public launch permissions.
 * The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only 
 * implicit and explicit launch permissions.*
 */",
"setterMethodName": "setPublic",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "publicValue",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**
 * Indicates whether the image has public launch permissions. The value 
 * is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and 
 * explicit launch permissions.<p>
 * @param publicValue Indicates whether the image has public launch permissions.
 * The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only 
 * implicit and explicit launch permissions.<p>
 * @return Returns a reference to this object so that method calls can be 
 * chained together.*
 */",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "publicValue",
  "variableType": "Boolean",
  "documentation": "Indicates whether the image has public launch permissions. The value is 
 * <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and 
 * explicit launch permissions.<p>
 * @param publicValue Indicates whether the image has public launch permissions.
 * The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only 
 * implicit and explicit launch permissions.<p>
 * @return Returns a reference to this object so that method calls can be 
 * chained together.*
 */",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"RamdiskId": {
  "c2jName": "RamdiskId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The RAM disk associated with the image, if any. Only applicable for machine 
 * images.<p>
 * @param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine 
 * images.<p>
 * @return Returns a reference to this object so that method calls can be 
 * chained together.*
 */",
  "enumType": null,
  "fluentSetterDocumentation": "The RAM disk associated with the image, if any. Only applicable for machine 
 * images.<p>
 * @param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine 
 * images.<p>
 * @return Returns a reference to this object so that method calls can be 
 * chained together.*
 */",
  "fluentSetterMethodName": "withRamdiskId",
  "getterDocumentation": "The RAM disk associated with the image, if any. Only applicable for machine 
 * images.<p>
 * @return The RAM disk associated with the image, if any. Only applicable for machine 
 * images.*
 */
}
images.*/",
        "getterMethodName" : "getRamdiskId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "RamdiskId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "ramdiskId",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "RamdiskId",
        "setterDocumentation" : "/**<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>
@param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine images.*/",
        "setterMethodName" : "setRamdiskId",
        "setterModel" : {
            "variableDeclarationType" : "String",
            "variableName" : "ramdiskId",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "simple" : true,
        "varargSetterDocumentation" : "/**<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>
@param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine images.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "variable" : {
            "variableDeclarationType" : "String",
            "variableName" : "ramdiskId",
            "variableType" : "String",
            "documentation" : "<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>
"}
The device name of the root device (for example, `<code>/dev/sda1</code>` or `<code>/dev/xvda</code>`).

**getterDocumentaion**: 
`getRootDeviceName()`: The device name of the root device (for example, `<code>/dev/sda1</code>` or `<code>/dev/xvda</code>`).

**setterDocumentation**: 
`withRootDeviceName()`: The device name of the root device (for example, `<code>/dev/sda1</code>` or `<code>/dev/xvda</code>`).

```java
public String getRootDeviceName() {
    return getRootDeviceName();
}

public void withRootDeviceName(String rootDeviceName) {
    setRootDeviceName(rootDeviceName);
}
```
<code>/dev/xvda</code>.

@\param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/

"setterMethodName" : "setRootDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/\p>The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@\param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "\p>The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
  @\param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n  @return Returns a reference to this object so that method calls can be chained together.*/

"RootDeviceType" : {
  "c2jName" : "RootDeviceType",
  "c2jShape" : "DeviceType",
  "deprecated" : false,
  "documentation" : "\p>The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n  @\see DeviceType*/

"enumType" : "DeviceType",
"fluentSetterDocumentation" : "*/\p>The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n  @\see DeviceType*/

"getterMethodName" : "getRootDeviceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {

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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RootDeviceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "rootDeviceType",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceType",
"setterDocumentation" : "/**\n@param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@see DeviceType*/",
"setterMethodName" : "setRootDeviceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "rootDeviceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@see DeviceType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "rootDeviceType",
    "variableType" : "String",
    "documentation" : "<p>The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>\n@see DeviceType*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"SriovNetSupport" : {
  "c2jName" : "SriovNetSupport",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.<br>**/",
  "fluentSetterMethodName" : "withSriovNetSupport",
  "getterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@return Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.<br>**/",
  "getterMethodName" : "getSriovNetSupport",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SriovNetSupport",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sriovNetSupport",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SriovNetSupport",
  "setterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.<br>**/",
  "setterMethodName" : "setSriovNetSupport",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sriovNetSupport",
  }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "sriovNetSupport",
"variableType" : "String",
"documentation" : "Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
",
"State" : {
"c2jName" : "State",
"c2jShape" : "ImageState",
"deprecated" : false,
"documentation" : "The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.
",
"enumType" : "ImageState",
"fluentSetterDocumentation" : "The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.
@param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageState",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.
@return The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.
@see ImageState",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageState",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**
*pThe current state of the AMI. If the state is <code>available</code>, the
image is successfully registered and can be used to launch an instance.<p>
*@
*param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.<n>
*see ImageState*/
",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
*pThe current state of the AMI. If the state is <code>available</code>, the
image is successfully registered and can be used to launch an instance.<p>
*@
*param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.<n>
*return Returns a reference to this object so that method calls can be chained together.<n>
*see ImageState*/
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.<p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StateReason" : {
  "c2jName" : "StateReason"
"c2jShape" : "StateReason",
"deprecated" : false,
"documentation" : "<p>The reason for the state change.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The reason for the state change.</p>
@returns {StateReason} The reason for the state change.
@function
@type {StateReason} The reason for the state change. */
"fluentSetterMethodName" : "withStateReason",
"getterDocumentation" : "/** <p>The reason for the state change.</p>
@returns The reason for the state change. */
"getterMethodName" : "getStateReason",
"getterModel" : {
  "returnType" : "StateReason",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StateReason",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "stateReason",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateReason",
"setterDocumentation" : "/** <p>The reason for the state change.</p>
@returns {StateReason} The reason for the state change. */
"setterMethodName" : "setStateReason",
"setterModel" : {
  "variableDeclarationType" : "StateReason",
  "variableName" : "stateReason",
  "variableType" : "StateReason",
  "documentation" : "",
  "simpleType" : "StateReason",
  "variableSetterType" : "StateReason"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>The reason for the state change.</p>
@returns {StateReason} The reason for the state change. */
"varargSetterMethodName" : "withStateReason"}
for the state change.

@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "StateReason",
        "variableName" : "stateReason",
        "variableType" : "StateReason",
        "documentation" : "<p>The reason for the state change.</p>",
        "simpleType" : "StateReason",
        "variableSetterType" : "StateReason"
    },
    "xmlNameSpaceUri" : null
},
    "Tags" : {
        "c2jName" : "Tags",
        "c2jShape" : "TagList",
        "deprecated" : false,
        "documentation" : "<p>Any tags assigned to the image.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Any tags assigned to the image.</p>
@param tags Any tags assigned to the image.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withTags",
        "getterDocumentation" : "/**<p>Any tags assigned to the image.
@return Any tags assigned to the image.*/",
        "getterMethodName" : "getTags",
        "getterModel" : {
            "returnType" : "java.util.List<Tag>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "TagSet",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "tagSet",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : true,
        "listModel" : {
            "implType" : "com.amazonaws.internal.SdkInternalList",
            "interfaceType" : "java.util.List",
            "listMemberModel" : {
                "c2jName" : "Tag",
                "c2jShape" : "Tag",
                "documentation" : "<p>A tag assigned to the image.</p>",
                "enumType" : null,
                "fluentSetterDocumentation" : "/**<p>A tag assigned to the image.</p>
@param tag A tag assigned to the image.
@return Returns a reference to this object so that method calls can be chained together.*/",
                "fluentSetterMethodName" : "withTag",
                "getterDocumentation" : "/**<p>A tag assigned to the image.
@return A tag assigned to the image.*/",
                "getterMethodName" : "getTag",
                "getterModel" : {
                    "returnType" : "com.amazonaws.Tag",
                    "documentation" : null
                },
                "http" : {
                    "additionalMarshallingPath" : null,
                    "additionalUnmarshallingPath" : null,
                    "flattened" : false,
                    "greedy" : false,
                    "header" : false,
                    "isPayload" : false,
                    "isStreaming" : false,
                    "location" : null,
                    "marshallLocationName" : "Tag",
                    "queryString" : false,
                    "statusCode" : false,
                    "unmarshallLocationName" : "tag",
                    "uri" : false
                },
"c2jName": "member",
"c2jShape": "Tag",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getMethodName": "getMember",
"getModel": {
  "returnType": "Tag",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the image.</p>
@param tags Any tags assigned to
the image.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the image.</p>
<b>NOTE:</b> This
method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link
#withTags(java.util.Collection)} if you want to override the existing values.</p>/n@param tags Any tags assigned
to the image./n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the image.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
"VirtualizationType": {
  "c2jName": "VirtualizationType",
  "c2jShape": "VirtualizationType",
  "deprecated": false,
  "documentation": "The type of virtualization of the AMI.
  \n  @param virtualizationType The type of virtualization of the AMI.
  @return Returns a reference to this object so that method calls can be chained together.
  \n  \n  @see VirtualizationType*/",
  "getterDocumentation": "The type of virtualization of the AMI.
  \n  \n  @return The type of virtualization of the AMI.
  \n  @see VirtualizationType*/",
  "getterMethodName": "getVirtualizationType",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VirtualizationType",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "virtualizationType",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "VirtualizationType",
  "setterDocumentation": "The type of virtualization of the AMI.
  \n  \n  @param virtualizationType The type of virtualization of the AMI.
  @see VirtualizationType*/",
  "setterMethodName": "setVirtualizationType",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "virtualizationType",
    "variableType": "String",
    "xmlNameSpaceUri": null
  }
}
virtualizationType The type of virtualization of the AMI.
@param
@return Returns a reference to this object so that method calls can be chained together.
@see VirtualizationType*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "<p>The type of virtualization of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "Image",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Image",
  "variableName" : "image",
  "variableType" : "Image",
  "documentation" : null,
  "simpleType" : "Image",
  "variableSetterType" : "Image"
},
"wrapper" : false
},
"ImageAttribute" : {
  "c2jName" : "ImageAttribute",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an image attribute.</p>",
  "enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { 
  "c2jName" : "ImageId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@<param imageId The ID of the AMI.*/",
  "enumType" : null,
  "getterDocumentation" : "/**<p>The ID of the AMI.</p>
@return The ID of the AMI.*/",
  "getterMethodName" : "getImageId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImageId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "imageId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImageId",
  "setterDocumentation" : "/**<p>The ID of the AMI.</p>
@<param imageId The ID of the AMI.*/",
  "setterMethodName" : "setImageId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String"
  }
}];
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p The ID of the AMI.\n@param imageId The ID of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclaratonType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
@variable imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LaunchPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LaunchPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
    @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "LaunchPermission",
      "variableName" : "member",
      "variableType" : "LaunchPermission",
      "documentation" : ""},}
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "LaunchPermission",
  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>
}
},
"map" : false,
"mapModel" : null,
"name" : "LaunchPermissions",
"setterDocumentation" : "/**
<p>One or more launch permissions.</p>
@param launchPermissions One or
more launch permissions.*/",
"setterMethodName" : "setLaunchPermissions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
  "variableName" : "launchPermissions",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "",
  "simpleType" : "List<LaunchPermission>",
  "variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more launch permissions.</p>
<b>NOTE:</b> This
method appends the values to the existing list (if any). Use {@link #setLaunchPermissions(java.util.Collection)} or
{@link #withLaunchPermissions(java.util.Collection)} if you want to override the existing values.

@param launchPermissions One or
more launch permissions.
@return Returns a reference to this object so that method calls
can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
  "variableName" : "launchPermissions",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "<p>One or more launch permissions.</p>",
  "simpleType" : "List<LaunchPermission>",
  "variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeList",
"deprecated" : false,
"documentation" : "<p>One or more product codes.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * One or more product codes.
 */
@param productCodes One or more product codes.
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withProductCodes",
"getterDocumentation" : "/**
 * One or more product codes.
 */
@return One or more product codes.

"getterMethodName" : "getProductCodes",
"getterModel" : {
  "returnType" : "java.util.List<ProductCode>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "<p>A product code.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * A product code.
     */
     @return Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withProductCodes",
    "getterDocumentation" : "/**
     * A product code.
     */
     @return A product code.

    "getterMethodName" : "getProductCodes",
    "getterModel" : {
      "returnType" : "java.util.List<ProductCode>",
      "documentation" : null
    }"}
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "ProductCode",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "ProductCode",
 "variableName" : "member",
 "variableType" : "ProductCode",
 "documentation" : "",
 "simpleType" : "ProductCode",
 "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "ProductCode",
 "variableName" : "member",
"variableType": "ProductCode",
"documentation": "",
"simpleType": "ProductCode",
"variableSetterType": "ProductCode"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "ProductCode",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ProductCode",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType": "java.util.List<ProductCode>"
],
"map": false,
"mapModel": null,
"name": "ProductCodes",
"setterDocumentation": "/**<p>One or more product codes.</p>
@param productCodes One or more product codes.*/",
"setterMethodName": "setProductCodes",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName": "productCodes",
  "variableType": "java.util.List<ProductCode>",
  "documentation": "",
  "simpleType": "List<ProductCode>",
  "variableSetterType": "java.util.Collection<ProductCode>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more product codes.</p><b>NOTE:</b>This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.*/
@param productCodes One or more product codes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName": "productCodes",
  "variableType": "java.util.List<ProductCode>",
  "documentation": "<p>One or more product codes.</p>
  "simple": false,
  "simpleType": "List<ProductCode>",
  "variableSetterType": "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri": null
Returns a reference to this object so that method calls can be chained together.*/
  
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "kernelId",
    "variableType" : "String",
    "documentation" : "<p>The kernel ID.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "RamdiskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The RAM disk ID.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The RAM disk ID.</p>
  \n  @param ramdiskId The RAM disk ID.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRamdiskId",
  "getterDocumentation" : "/**<p>The RAM disk ID.</p>
   \n   @return The RAM disk ID.*/",
  "getterMethodName" : "getRamdiskId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ramdisk",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ramdisk",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RamdiskId",
  "setterDocumentation" : "/**<p>The RAM disk ID.</p>
  \n  @param ramdiskId The RAM disk ID.*/",
  "setterMethodName" : "setRamdiskId"
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "ramdiskId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The RAM disk ID.</p>
@param ramdiskId The RAM disk ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ramdiskId",
    "variableType" : "String",
    "documentation" : "<p>The RAM disk ID.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description for the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for the AMI.</p>
@param description A description for the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description for the AMI.</p>
@return A description for the AMI.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description"}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModelProperty" : null,
"map" : false,
"mapModelProperty" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the AMI.</p>
@param description A description for the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModelProperty" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the AMI.</p>
@param description A description for the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "A description for the AMI.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"XmlAttributeNamespaceUri" : null,
},
"c2jName" : "SriovNetSupport",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param SriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
"getMethodName" : "getSriovNetSupport",
"getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "SriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespace" : null,
"xmlNamespaceUri" : null,
"xmlNamespaces" : [null],
"xmlNameSpaceUri" : null,
"xmlNamespacesUri" : null,
"xmlNamespacePrefixes" : []
}
"returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : "Value",
 "additionalUnmarshallingPath" : "value",
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SriovNetSupport",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "sriovNetSupport",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "SriovNetSupport",
 "setterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "setterMethodName" : "setSriovNetSupport",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "sriovNetSupport",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled
@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "sriovNetSupport",
 "variableType" : "String",
 "documentation" : "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
 "simpleType" : "String"
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "blockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
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"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"}
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"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "blockDeviceMapping",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "BlockDeviceMapping",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
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    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null,
      }},
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  "listModel" : {
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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      "c2jShape" : "BlockDeviceMapping",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
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       * @return Returns a reference to this object so that
       * method calls can be chained together.*/",
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      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
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        "documentation" : null,
    }},
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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      "c2jShape" : "BlockDeviceMapping",
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      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
       * @param member 
       * @return Returns a reference to this object so that
       * method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
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        "documentation" : null,
    }},
  },
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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      "c2jShape" : "BlockDeviceMapping",
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      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
       * @param member 
       * @return Returns a reference to this object so that
       * method calls can be chained together.*/",
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      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
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        "documentation" : null,
    }},
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  "list" : true,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
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"simple" : false,
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method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImpleType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
],
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.<p/>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "One or more block device mapping entries.<p/>
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
"Description" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A description for the AMI.<p/>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A description for the AMI.<p/>
  @param description A description for the AMI.<p/>
  @return Returns a reference to this object so that method calls can be chained together.*/""
"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/**\n<p>A description for the AMI.</p>
@return A description for the AMI.*/",
"getterMethodName": "getDescription",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Description",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "description",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**\n<p>A description for the AMI.</p>
@param description A description for the
AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>A description for the AMI.\n@param description A description for the
AMI\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "<p>A description for the AMI.</p>",
  "simpleType": "String"}
"variableSetterType" : "String",
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"KernelId" : {
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The kernel ID.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The kernel ID.</p>
@param kernelId The kernel ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**<p>The kernel ID.</p>
@return The kernel ID.*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Kernel",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernel",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "LaunchPermission",
"documentation" : "",
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "LaunchPermission",
"variableName" : "member",
"variableType" : "LaunchPermission",
"documentation" : "",
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>
},
"map" : false,
"mapModel" : null,
"name" : "LaunchPermissions",
"setterDocumentation" : "/**<p>One or more launch permissions.</p>
@param launchPermissions One or more launch permissions.*/",
"setterMethodName" : "setLaunchPermissions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName" : "launchPermissions",
"variableType" : "LaunchPermissions",
"variableSetterType" : "java.util.List<LaunchPermission>",
"xmlNameSpaceUri" : null
}
"documentation": "",
"simpleType": "List<LaunchPermission>",
"variableSetterType": "java.util.Collection<LaunchPermission>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more launch permissions.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setLaunchPermissions(java.util.Collection)] or [@link #withLaunchPermissions(java.util.Collection)] if you want to override the existing values.\n
@param launchPermissions One or more launch permissions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName": "launchPermissions",
"variableType": "java.util.List<LaunchPermission>",
"documentation": "<p>One or more launch permissions.</p>",
"simpleType": "List<LaunchPermission>",
"variableSetterType": "java.util.Collection<LaunchPermission>
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"xmlNameSpaceUri": null
},
"ProductCodes": {
"c2jName": "ProductCodes",
"c2jShape": "ProductCodeList",
"deprecated": false,
"documentation": "<p>One or more product codes.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more product codes.</p><param productCodes One or more product codes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withProductCodes",
"getterDocumentation": "/**<p>One or more product codes.</p><@return One or more product codes.\n",
"getterMethodName": "getProductCodes",
"getterModel": {
"returnType": "java.util.List<ProductCode>",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ProductCodes",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "productCodes",
"variables": {
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"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName": "launchPermissions",
"variableType": "java.util.List<LaunchPermission>",
"documentation": "<p>One or more launch permissions.</p>",
"simpleType": "List<LaunchPermission>",
"variableSetterType": "java.util.Collection<LaunchPermission>
},
"xmlNameSpaceUri": null
}
}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@ \n@return \nmethod calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return \nmethod calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ProductCode",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "location" : null,
      "marshallLocationName" : "item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@ \nmethod calls can be chained together.*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "ProductCode",
      "variableName" : "member",
    }
  }
}
"variableType": "ProductCode",
"documentation": "",
"simpleType": "ProductCode",
"variableSetterType": "ProductCode"
],
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ProductCode",
"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
"simpleType": "ProductCode",
"variableSetterType": "ProductCode"
],
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ProductCode",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ProductCode",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType": "java.util.List<ProductCode>"
],
"map": false,
"mapModel": null,
"name": "ProductCodes",
"setterDocumentation": "/**<p>One or more product codes.</p>
@param productCodes One or more product codes.</param>*/",
"setterMethodName": "setProductCodes",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName": "productCodes",
"variableType": "java.util.List<ProductCode>",
"documentation": "",
"simpleType": "List<ProductCode>",
"variableSetterType": "java.util.Collection<ProductCode>"
],
"simple": false,
"varargSetterDocumentation": "/**<p>One or more product codes.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.*/",
"param productCodes"
One or more product codes.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
    "variableName" : "productCodes",
    "variableType" : "java.util.List<ProductCode>",
    "documentation" : "<p>One or more product codes.</p>",
    "simpleType" : "List<ProductCode>",
    "variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlnsSpaceUri" : null,
"RamdiskId" : {
    "c2jName" : "RamdiskId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The RAM disk ID.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The RAM disk ID.</p>
\n@returns {Object} Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRamdiskId",
    "getterDocumentation" : "/**<p>The RAM disk ID.</p>
\n@returns {String} The RAM disk ID.*/",
    "getterMethodName" : "getRamdiskId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : "value",
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Ramdisk",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ramdisk",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "RamdiskId",
}
"setterDocumentation" : "/**<p>The RAM disk ID.\n@\n@param ramdiskId The RAM disk ID.*/"}},
"setterMethodName" : "setRamdiskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The RAM disk ID.\n@\n@param ramdiskId The RAM disk ID.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "<p>The RAM disk ID.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SriovNetSupport" : {
  "c2jName" : "SriovNetSupport",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@\n@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSriovNetSupport",
  "getterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@\n@return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
  "getterMethodName" : "getSriovNetSupport",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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"unmarshaller": {
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"documentation": null,
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"variableSetterType": "ImageAttribute"
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"wrapper": false
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"ImageAttributeName": {
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"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "",
"enums": [
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{"name": "Kernel", "value": "kernel"},
{"name": "Ramdisk", "value": "ramdisk"},
{"name": "LaunchPermission", "value": "launchPermission"},
{"name": "ProductCodes", "value": "productCodes"},
{"name": "BlockDeviceMapping", "value": "blockDeviceMapping"},
{"name": "SriovNetSupport", "value": "sriovNetSupport"}
],
"errorCode": null,
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  "variableSetterType" : "ImageAttributeName"
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the disk container object for an import image task.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
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      "deprecated" : false,
      "documentation" : "<p>The description of the disk image.</p>",
      "enumType" : null,
    },
"fluentSetterDocumentation" : "/**<p>The description of the disk image.</p>\n@param description The description of the disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>The description of the disk image.</p>\n@return The description of the disk image.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
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"list" : false,
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The description of the disk image.</p>\n@param description The description of the disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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"variable" : {
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"variableName" : "description",
"variableType" : "String",
"documentation" : ";<p>The description of the disk image.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Format",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The format of the disk image being imported.</p> <p>Valid values:
<code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> \</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The format of the disk image being imported.</p> <p>Valid values:
<code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> \n@param format The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> \n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withFormat",
"getterDocumentation" : "/**<p>The format of the disk image being imported.</p> <p>Valid values:
<code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> \n@return The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> */",
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"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Format",
"uri" : false
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"list" : false,
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Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> */",
"setterMethodName": "setFormat",
"setterModel": {
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The format of the disk image being imported.</p> 
Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> */
return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "format",
  "variableType": "String",
  "documentation": "<p>The format of the disk image being imported.</p> 
Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> "
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"xmlNameSpaceUri": null
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"c2jName": "Url",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p> 
return Returns a reference to this object so that method calls can be chained together.*/",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p> 
return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUrl",
"getterDocumentation": "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p> 
return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getUrl"
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "Url",
  "uri": false
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"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "Url",

"setterDocumentation": "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>
@param url The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)
@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName": "setUrl",

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  "documentation": 
  "simple": true,

  "varargSetterDocumentation": "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@return Returns a reference to this object so that method calls can be chained together. */",

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    "variableType": "String",
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"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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c2jName": "UserBucket",
"c2jShape": "UserBucket",
"deprecated": false,
"documentation": "<p>The S3 bucket for the disk image.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The S3 bucket for the disk image.</p>@param userBucket The S3 bucket for the disk image.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUserBucket",
"getterDocumentation": "/**<p>The S3 bucket for the disk image.</p>@return The S3 bucket for the disk image.</p>",
"getterMethodName": "getUserBucket",
"getterModel": {
"returnType": "UserBucket",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
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"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "UserBucket",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UserBucket",
"setterDocumentation": "/**<p>The S3 bucket for the disk image.</p>@param userBucket The S3 bucket for the disk image.</p>",
"setterMethodName": "setUserBucket",
"setterModel": {
"variableDeclarationType": "UserBucket",
"variableName": "userBucket"}
"variableType" : "UserBucket",
"documentation" : "",
"simpleType" : "UserBucket",
"variableSetterType" : "UserBucket"
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"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "UserBucket",
"documentation" : "<p>The S3 bucket for the disk image.</p>
"simpleType" : "UserBucket",
"variableSetterType" : "UserBucket"
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"xmlnsNameSpaceUri" : null
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"c2jName" : "DeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The block device mapping for the disk.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The block device mapping for the disk.</p>
@param deviceName The block device mapping for the disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceName",
"getterDocumentation" : "/**\n<p>The block device mapping for the disk.</p>
@return The block device mapping for the disk.*/",
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"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
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"map" : false,
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@param deviceName The block device mapping for the disk.</p>*/",
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"setterModel" : {
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"variableName" : "deviceName",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The block device mapping for the disk.</p>
@param deviceName The block device mapping for the disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
]{
  "c2jName" : "SnapshotId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>\n@\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSnapshotId",
  "getterDocumentation" : "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>\n@\n@\n@return The ID of the EBS snapshot to be used for importing the snapshot.*/",
  "getterMethodName" : "getSnapshotId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
}
**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>
@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.*/

```java
public class SnapshotId {
  private String snapshotId;

  public SnapshotId setSnapshotId(String snapshotId) {
    this.snapshotId = snapshotId;
    return this;
  }

  public String getSnapshotId() {
    return snapshotId;
  }
}
```

@Required
@Vararg

*Returns a reference to this object so that method calls can be chained together.*
"Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The description of the disk image.",
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    "fluentSetterDocumentation" : "The description of the disk image.
\n@\param description The description of the disk image.
\n@return Returns a reference to this object so that method calls can be chained together.*",
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    "getterDocumentation" : "The description of the disk image.
\n@return The description of the disk image.*",
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    "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
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        "isPayload" : false,
        "isStreaming" : false,
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        "unmarshallLocationName" : "Description",
        "uri" : false
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    "setterDocumentation" : "The description of the disk image.
\n@\param description The description of the disk image.
\n@return Returns a reference to this object so that method calls can be chained together.*",
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        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "The description of the disk image.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"DeviceName" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The block device mapping for the disk.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The block device mapping for the disk.
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  \n  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "withDeviceName",
  "getterDocumentation" : "The block device mapping for the disk.
  \n  @return Returns a reference to this object so that method calls can be chained together.",
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  "getterModel" : {
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    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DeviceName",
    "uri" : false
  },
  "idempotencyToken" : false,
"list": false,
"listModel": null,
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"setterDocumentation": "/*<p>The block device mapping for the disk.</p>\n@param deviceName The block device mapping for the disk.*/",
"setterMethodName": "setDeviceName",
"setterModel": {
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  "variableName": "deviceName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*<p>The block device mapping for the disk.</p>\n@param deviceName The block device mapping for the disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "deviceName",
  "variableType": "String",
  "documentation": "<p>The block device mapping for the disk.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"Format": {
  "c2jName": "Format",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The format of the disk image being imported.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation": "<p>The format of the disk image being imported.</p>\n@param format The format of the disk image being imported.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withFormat",
  "getterDocumentation": "<p>The format of the disk image being imported.</p>\n@return The format of the disk image being imported.*/",
  "getterMethodName": "getFormat",
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Format",
  "setterDocumentation": null,
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    "variableName": "format",
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    "simpleType": "String",
    "variableSetterType": "String"
  },
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    "variableType": "String",
    "documentation": "<p>The format of the disk image being imported.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Format",
"setterDocumentation": "/**<p>The format of the disk image being imported.</p> 
<p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> </p>
@param format 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setFormat",
"setterModel": {
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  "variableName": "format",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The format of the disk image being imported.</p> 
<p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> </p>
@param format 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "variableValue": "RAW",
  "varargSetterType": "String"
}
"documentation" : "<p>The format of the disk image being imported.</p> <p>Valid values:
[code]RAW[/code] | [code]VHD[/code] | [code]VMDK[/code] | [code]OVA[/code] </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
  "c2jName" : "SnapshotId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>
@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSnapshotId",
  "getterDocumentation" : "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>
@return The ID of the EBS snapshot to be used for importing the snapshot.*/",
  "getterMethodName" : "getSnapshotId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "SnapshotId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SnapshotId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SnapshotId",
  "setterDocumentation" : "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>
@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setSnapshotId",}
"setterModel": {
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  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>
@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Url": {
  "c2jName": "Url",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>
@param url The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withUrl",
  "getterDocumentation": "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>
@return The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)*/",
  "getterMethodName": "getUrl",
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    "documentation": null
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  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Url",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Url",
"setterDocumentation" : "/**\n<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>
@param url The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)*/",
"setterMethodName" : "setUrl",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@param url The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"UserBucket" : {
  "c2jName" : "UserBucket",
  "c2jShape" : "UserBucket",
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the disk image.</p>"}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserBucket",
"getterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@return The S3 bucket for the disk image.*/",
"getterMethodName" : "getUserBucket",
"getterModel" : {
    "returnType" : "UserBucket",
    "documentation" : null
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"http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UserBucket",
    "uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserBucket",
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@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUserBucket",
"setterModel" : {
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    "variableName" : "userBucket",
    "variableType" : "UserBucket",
    "documentation" : "",
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    "variableSetterType" : "UserBucket"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/"
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  "variableType": "UserBucket",
  "documentation": "<p>The S3 bucket for the disk image.</p>",
  "simpleType": "UserBucket",
  "variableSetterType": "UserBucket"
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"xmlNameSpaceUri": null
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"requestSignerClassFqn": null,
"required": null,
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  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "ImageDiskContainer",
  "variableName": "imageDiskContainer",
  "variableType": "ImageDiskContainer",
  "documentation": null,
  "simpleType": "ImageDiskContainer",
  "variableSetterType": "ImageDiskContainer"
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},
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  "c2jName": "ImageState",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [{
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    "value": "pending"
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    "value": "available"
  }, {
    "name": "Invalid",
    "value": "invalid"
  ]
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}, {
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    "value": "deregistered"
}, {
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    "value": "transient"
}, {
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    "value": "failed"
}, {
    "name": "Error",
    "value": "error"
}
},
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ImageState",
"unmarshaller": {
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    "variableType": "ImageState",
    "documentation": null,
    "simpleType": "ImageState",
    "variableSetterType": "ImageState"
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"wrapper": false
},
"ImageTypeValues": {
    "c2jName": "ImageTypeValues",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
"documentation": "",
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  "name": "Machine",
  "value": "machine"
}, {
  "name": "Kernel",
  "value": "kernel"
}, {
  "name": "Ramdisk",
  "value": "ramdisk"
} ],
"errorCode": null,
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"hasStatusCodeMember": false,
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"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
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"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "ImageTypeValues",
  "variableName": "imageTypeValues",
  "variableType": "ImageTypeValues",
  "documentation": null,
  "simpleType": "ImageTypeValues",
  "variableSetterType": "ImageTypeValues"
},
"wrapper": false
},
"ImportImageRequest": {
  "c2jName": "ImportImageRequest",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ImportImage.</p>",
  "enums": "<p>Contains the parameters for ImportImage.</p>",
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "ImportImageRequest",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  }
}
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,

"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},

"members" : [ {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description string for the import image task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A description string for the import image task.</p>
  @param description A description string for the import image task.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**<p>A description string for the import image task.</p>
  @return A description string for the import image task.
  @param description A description string for the import image task.
  @return A description string for the import image task.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Description",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
} }
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**<p>A description string for the import image task.</p>
@param description A description string for the import image task.*/",
"setterMethodName": "setDescription",
"setterModel": {
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  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>A description string for the import image task.</p>
@param description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "<p>A description string for the import image task.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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  "c2jName": "DiskContainers",
  "c2jShape": "ImageDiskContainerList",
  "deprecated": false,
  "documentation": "<p>Information about the disk containers.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Information about the disk containers.</p>
@param diskContainers Information about the disk containers.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDiskContainers",
  "getterDocumentation": "/**<p>Information about the disk containers.</p>
@return Information about the disk containers.*/",
  "getterMethodName": "getDiskContainers",
  "getterModel": {
    "returnType": "java.util.List<ImageDiskContainer>",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DiskContainer",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ImageDiskContainer",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * @param member \n     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
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"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "ImageDiskContainer",
  "documentation" : "",
  "simpleType" : "ImageDiskContainer",
  "variableSetterType" : "ImageDiskContainer"
},
"simple" : false,
"varargSetterDocumentation" : "/\*\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "ImageDiskContainer",
  "documentation" : "",
  "simpleType" : "ImageDiskContainer",
  "variableSetterType" : "ImageDiskContainer"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ImageDiskContainer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImageDiskContainer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
"templateType" : "java.util.List<ImageDiskContainer>"
},
"map" : false,
"mapModel" : null,
"name" : "DiskContainers",
"setterDocumentation" : "/\*\n<p>Information about the disk containers.</p>\n@param diskContainers
Information about the disk containers.*/",
"setterMethodName" : "setDiskContainers",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
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  "variableType" : "ImageDiskContainer",
  "documentation" : "",
  "simpleType" : "ImageDiskContainer",
  "variableSetterType" : "ImageDiskContainer"
},
"simple" : false,
"varargSetterDocumentation" : null
}
"variableType" : "java.util.List<ImageDiskContainer>",
"documentation" : "",
"simpleType" : "List<ImageDiskContainer>",
"variableSetterType" : "java.util.Collection<ImageDiskContainer>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the disk containers.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDiskContainers(java.util.Collection)} or
{@link #withDiskContainers(java.util.Collection)} if you want to override the existing values.</p>
@n@param diskContainers Information about the disk containers.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
"variableName" : "diskContainers",
"variableType" : "java.util.List<ImageDiskContainer>",
"documentation" : "<p>Information about the disk containers.</p>
"simpleType" : "List<ImageDiskContainer>",
"variableSetterType" : "java.util.Collection<ImageDiskContainer>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LicenseType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p>
@p><b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vminimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</b>
@p><p>Valid values: <code>AWS</code> | <code>BYOL</code></p>
@p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p>
@p><b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vminimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.
@p><p>Valid values: <code>AWS</code> | <code>BYOL</code></p>
@p>@n@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p>
@p><b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vminimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.
@p><p>Valid values: <code>AWS</code> | <code>BYOL</code>
@p>@n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withLicenseType",
"getterDocumentation" : "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p>
@p><b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vminimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.
@p><p>Valid values: <code>AWS</code> | <code>BYOL</code>
@p>@n@return The license type to be used for the Amazon Machine Image (AMI) after importing.</p>*/
only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.

Valid values: <code>AWS</code> | <code>BYOL</code>

```java
@Param
licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.

@Note You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.

Valid values: <code>AWS</code> | <code>BYOL</code>
```
"simple": true,
"varargSetterDocumentation": /**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vminimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> */
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.
@return Returns a reference to this object so that method calls can be chained together.*"/**

"variable": {
  "variableDeclarationType": "String",
  "variableName": "licenseType",
  "variableType": "String",
  "documentation": "<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vminimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code>

@param hypervisor The target hypervisor platform.
        
@return The target hypervisor platform.
    */",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"c2jName": "Hypervisor",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code></p> <p>*/",
"enumType": null,
"fluentSetterDocumentation": /**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code>

@Param hypervisor The target hypervisor platform.

@return The target hypervisor platform.
*/

@Param hypervisor The target hypervisor platform.

@return The target hypervisor platform.
*/

@Param hypervisor The target hypervisor platform.

@return The target hypervisor platform.
*/

@Param hypervisor The target hypervisor platform.

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@Param hypervisor The target hypervisor platform.

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@Param hypervisor The target hypervisor platform.

@return The target hypervisor platform.
*/
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Hypervisor",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code></p>"/
@param hypervisor The target hypervisor platform. <p>Valid values: <code>xen</code>*/",
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  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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@ param hypervisor The target hypervisor platform. <p>Valid values: <code>xen</code>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code></p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> | <code>x86_64</code>"/\n@param x86_64 <p>Valid values: <code>i386</code> | <code>x86_64</code>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values:
The architecture of the virtual machine. Valid values: i386 | x86_64

The architecture of the virtual machine. Valid values: i386 | x86_64

The architecture of the virtual machine. Valid values: i386 | x86_64

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The architecture of the virtual machine. Valid values: i386 | x86_64
Valid values: `<code>i386</code> | `<code>x86_64</code>`\n
Valid values: `<code>i386</code> | `<code>x86_64</code>`\n
Valid values: `<code>Windows</code> | `<code>Linux</code>`\n
Valid values: `<code>Windows</code> | `<code>Linux</code>`\n
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"mapModel" : null,
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@param platform The operating system of the virtual machine. 
@return Returns a reference to this object so that method calls can be chained together. */",
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"setterModel" : {
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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The operating system of the virtual machine.</p> 
@param platform The operating system of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "documentation" : "<p>The operating system of the virtual machine.</p> 
@param platform The operating system of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together. */",
  "variableSetterType" : "String"
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"c2jShape" : "ClientData",
"deprecated" : false,
"documentation" : "<p>The client-specific data. 
@param clientData The client-specific data. 
@return Returns a reference to this object so that method calls can be chained together. */",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The client-specific data. 
@param clientData The client-specific data. 
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>The client-specific data. 
@return The client-specific data. */",
"getterMethodName" : "getClientData",
"getterModel" : {
  "returnType" : "ClientData",
  "documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientData",
"uri" : false,
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"list" : false,
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"map" : false,
"mapModel" : null,
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@param clientData The client-specific data.*\*/",
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  "variableName" : "clientData",
  "variableType" : "ClientData",
  "documentation" : "",
  "simpleType" : "ClientData",
  "variableSetterType" : "ClientData"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The client-specific data.</p>
@param clientData The client-specific data.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "variableName" : "clientData",
  "variableType" : "ClientData",
  "documentation" : "<p>The client-specific data.</p>",
  "simpleType" : "ClientData",
  "variableSetterType" : "ClientData"
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"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to enable idempotency for VM import requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to enable idempotency for VM import
requests.</p>@param clientToken The token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>The token to enable idempotency for VM import requests.</p>
@return The token to enable idempotency for VM import requests.
*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientToken",
  "uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "ClientToken",
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@param clientToken The token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to enable idempotency for VM import
requests.</p>@param clientToken The token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {

"variableDeclarationType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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  "c2jName" : "RoleName",
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  "deprecated" : false,
  "documentation" : "<p>The name of the role to use when not using the default role, 'vmimport'.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.@param roleName The name of the role to use when not using the default role, 'vmimport'.@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRoleName",
    "getterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.@return The name of the role to use when not using the default role, 'vmimport'.*/",
    "getterMethodName" : "getRoleName",
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      "documentation" : null
    },
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    "marshallLocationName" : "RoleName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RoleName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RoleName",
  "setterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
    "setterMethodName" : "setRoleName",
    "setterModel" : {
      "returnType" : "RoleName",
      "documentation" : null
    }
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RoleName",
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"setterModel" : {
  "returnType" : "RoleName",
  "documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Architecture",
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "Architecture",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "The architecture of the virtual machine.
Valid values: <code>i386</code> | <code>x86_64</code>.*
@return Returns a reference to this object so that method calls can be chained together.*/",
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},
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  "c2jShape" : "ClientData",
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"c2jShape" : "ClientData",
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@param clientData The client-specific data.
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"fluentSetterMethodName" : "withClientData",
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@return The client-specific data.
*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param clientData The client-specific data.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType" : "ClientData",
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},
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@param clientToken The token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The token to enable idempotency for VM import requests.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableSetterType" : "String"
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A description string for the import image task.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>A description string for the import image task.</p>
@param description A description string for the import image task.
@return A description string for the import image task.
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    "documentation" : null
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"variableSetterType" : "String"
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\n@return Returns a reference to this object so that method calls can be chained together."*/",
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"variableSetterType" : "String"
},
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},
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"documentation" : "<p>Information about the disk containers.</p>",
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"variableSetterType" : "String"
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"c2jShape" : "ImageDiskContainerList",
"deprecated" : false,
"documentation" : "<p>Information about the disk containers.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the disk containers.</p>*/

@return Returns a reference to this object so that method calls can be chained together."*/";
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  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ImageDiskContainer",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "ImageDiskContainer",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ImageDiskContainer",
    "variableName" : "member",
    "variableType" : "ImageDiskContainer",
    "documentation" : "",
    "simpleType" : "ImageDiskContainer",
    "variableSetterType" : "ImageDiskContainer"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "member",
    "variableType" : "ImageDiskContainer",
    "documentation" : "",
    "simpleType" : "ImageDiskContainer",
    "variableSetterType" : "ImageDiskContainer"
},
"xmlNameSpaceUri" : null
}.
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
"templateType" : "java.util.List<ImageDiskContainer>",

"map" : false,
"mapModel" : null,
"name" : "DiskContainers",
"setterDocumentation" : "/**<p>Information about the disk containers.</p>
@param diskContainers
Information about the disk containers.*/",
"setterMethodName" : "setDiskContainers",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
  "variableName" : "diskContainers",
  "variableType" : "java.util.List<ImageDiskContainer>",
  "documentation" : "",
  "simpleType" : "List<ImageDiskContainer>",
  "variableSetterType" : "java.util.Collection<ImageDiskContainer>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the disk containers.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDiskContainers(java.util.Collection)} or
{@link #withDiskContainers(java.util.Collection)} if you want to override the existing values.</p>
@param diskContainers Information about the disk containers.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
  "variableName" : "diskContainers",
  "variableType" : "java.util.List<ImageDiskContainer>",
  "documentation" : "<p>Information about the disk containers.</p>
  "simpleType" : "List<ImageDiskContainer>",
  "variableSetterType" : "java.util.Collection<ImageDiskContainer>"
},
"xmlNameSpaceUri" : null
},

"Hypervisor" : {
  "c2jName" : "Hypervisor",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code></p> 
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
  <p>Valid values: <code>xen</code></p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHypervisor",
  "getterDocumentation" : "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
  <p>Valid values: <code>xen</code>
  @return The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
  "getterMethodName" : "getHypervisor",
  "getterModel" : {
    "returnType" : "String",
  },
"documentation" : null,
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Hypervisor",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Hypervisor",
  "uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The target hypervisor platform.</p>
@param hypervisor The target hypervisor platform.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHypervisor",
"setterModel" : {
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  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The target hypervisor platform.</p>
@param hypervisor The target hypervisor platform.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

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"LicenseType" : {
  "c2jName" : "LicenseType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p>
  <p><b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p>
  <p>Valid values: <code>AWS</code> | <code>BYOL</code> </p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p>
  <p><b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p>
  <p>Valid values: <code>AWS</code> | <code>BYOL</code> */",
  "fluentSetterMethodName" : "withLicenseType",
  "getterDocumentation" : "/*<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p>
  <p><b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p>
  <p>Valid values: <code>AWS</code> | <code>BYOL</code> */",
  "getterMethodName" : "getLicenseType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "LicenseType",
    "queryString" : false,
  },
}
"statusCode" : false,
"unmarshallLocationName" : "LicenseType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LicenseType",
"setterDocumentation" : "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code> </p>
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code> */",
"setterMethodName" : "setLicenseType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code> </p>
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code> </p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "",
  "variableSetterType" : "String"
},
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  "variableName" : "LicenseType",
  "variableType" : "String",
  "documentation" : "",
  "variableSetterType" : "String"
},
"simple" : true,
import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code>
</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Platform" : {
"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The operating system of the virtual machine.

Valid values: <code>Windows</code> | <code>Linux</code>"
},
"enumType" : null,
"fluentSetterDocumentation" : "/**The operating system of the virtual machine.

Valid values: <code>Windows</code> | <code>Linux</code>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**The operating system of the virtual machine.

Valid values: <code>Windows</code> | <code>Linux</code>\n\n@return The operating system of the virtual machine.*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Platform",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",}
"setterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "platform",
    "variableType" : "String",
    "documentation" :",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "platform",
    "variableType" : "String",
    "documentation" :",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RoleName" : {
    "c2jName" : "RoleName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The name of the role to use when not using the default role, 'vmimport'.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.
@param roleName The name of the role to use when not using the default role, 'vmimport'.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRoleName",
    "getterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.
@return The name of the role to use when not using the default role, 'vmimport'.
*/",
    "getterMethodName" : "getRoleName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ImportImageRequest",
  "variableName" : "importImageRequest",
  "variableType" : "ImportImageRequest",
  "documentation" : null,
  "simpleType" : "ImportImageRequest",
  "variableSetterType" : "ImportImageRequest"
},
"wrapper" : false
},
"ImportImageResult" : {
  "c2jName" : "ImportImageResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output for ImportImage.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "ImportTaskId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The task ID of the import image task.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The task ID of the import image task.</p>@param importTaskId The task ID of the import image task.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withImportTaskId",
      "getterDocumentation" : "/**<p>The task ID of the import image task.</p>@return The task ID of the import image task.</p>/"",
      "getterMethodName" : "getImportTaskId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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      "http" : {
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        "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "importTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**<p>The task ID of the import image task.</p>
@param importTaskId The task ID of the import image task.*/",
"setterMethodName" : "setImportTaskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The task ID of the import image task.</p>
@param importTaskId The task ID of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The task ID of the import image task.
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Architecture",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The architecture of the virtual machine.
  "enumType" : null,
"variableDeclarationType" : "String",
"variableName" : "architecture",
"variableType" : "String",
"documentation" : "<p>The architecture of the virtual machine.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "LicenseType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The license type of the virtual machine.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The license type of the virtual machine.</p>
* @param licenseType The license type of the virtual machine.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseType",
"getterDocumentation" : "/**<p>The license type of the virtual machine.</p>
* @return The license type of the virtual machine.*/",
"getterMethodName" : "getLicenseType",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "LicenseType",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "licenseType",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "LicenseType",
 "setterDocumentation" : "/**<p>The license type of the virtual machine.</p>
* @param licenseType The license type of the virtual machine.*/",
"setterMethodName" : "setLicenseType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@param licenseType The license type of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "<p>The license type of the virtual machine.</p>
  
  @param licenseType The license type of the virtual machine.
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The operating system of the virtual machine.</p>
  
  @param platform The operating system of the virtual machine.
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPlatform",
  "getterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
  @return The operating system of the virtual machine.*/",
  "getterMethodName" : "getPlatform",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.*\n*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The operating system of the virtual machine.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Hypervisor",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The target hypervisor of the import task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The target hypervisor of the import task.</p>
@param hypervisor The target hypervisor of the import task.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withHypervisor",
"getterDocumentation" : "/**<p>The target hypervisor of the import task.</p>
@return The target hypervisor of the import task.*\n*/",}
"getterMethodName" : "getHypervisor",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Hypervisor",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hypervisor",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The target hypervisor of the import task.</p>
@param hypervisor The target hypervisor of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHypervisor",
"setterModel" : {
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  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
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@param hypervisor The target hypervisor of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@param description A description of the import task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
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@return A description of the import task.*/",
"getterMethodName" : "getDescription",
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 "documentation" : null
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"mapModel" : null,
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*/
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@return Returns a reference to this object so that method calls can be chained together.
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"deprecated": false,
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"enumType": null,
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*/
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@return Returns a reference to this object so that method calls can be chained together.
*/",
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*/
@return Information about the snapshots.
*/",
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    @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**
    @return */",
    "getterMethodName": "getMember",
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      "uri": false
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      "variableType": "SnapshotDetail",
      "documentation": """
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  }
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 "variableSetterType" : "SnapshotDetail"
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 "memberAdditionalMarshallingPath" : null,
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 "sendEmptyQueryString" : false,
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 "variableName" : "snapshotDetails",
 "variableType" : "java.util.List<SnapshotDetail>",
 "documentation" : "",
 "simpleType" : "List<SnapshotDetail>",
 "variableSetterType" : "java.util.Collection<SnapshotDetail>"
 },
 "simple" : false,
 "varargSetterDocumentation" : "/**
 * Information about the snapshots.
 */
\n**NOTE:** This method appends the values to the existing list if (any). Use \[@link #setSnapshotDetails(java.util.Collection)\] or \[@link #withSnapshotDetails(java.util.Collection)\] if you want to override the existing values.
\n@returns Returns a reference to this object so that method calls can be chained together.*/"
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  "deprecated": false,
  "documentation": "<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>
  <p>@param imageId The ID of the Amazon Machine Image (AMI) created by the import task.</p>
  <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "getterDocumentation": "/**<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>
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  <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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task.<p>@param imageId The ID of the Amazon Machine Image (AMI) created by the import task.*"/",

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  "isPayload" : false,
  "isStreaming" : false,
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@param statusMessage A detailed status message of the import task.</n@param statusMessage A detailed status message of the import task.</n@param statusMessage A detailed status message of the import task.</n@return Returns a reference to this object so that method calls can be chained together."*/",
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@return Returns a reference to this object so that method calls can be chained together."*/",
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@return Returns a reference to this object so that method calls can be chained together.</p>
",
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@return The architecture of the virtual machine.</p>
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      "uri" : false
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    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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"variableSetterType": "String"
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"variableSetterType" : "String"
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>
@return The ID of the Amazon Machine Image (AMI) created by the import task.*/",
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "imageId",
"uri" : false
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>
\n@param imageId The ID of the Amazon Machine Image (AMI) created by the import task.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"ImportTaskId" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The task ID of the import image task.</p>
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\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImportTaskId",
  "getterDocumentation" : "/**\n\n@return The task ID of the import image task.
\ngetImportTaskId().*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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@param importTaskId The task ID of the import image task.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The license type of the virtual machine.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"idemopoten
class:
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"getterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@return The license type of
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   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "LicenseType",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "licenseType",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LicenseType",
"setterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@param licenseType The
license type of the virtual machine.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"setterMethodName" : "setLicenseType",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "licenseType",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@param licenseType The license type of the virtual machine.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
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   "variableName" : "licenseType",
   "variableType" : "String",
   "documentation" : """
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Platform": {
"c2jName": "Platform",
"c2jShape": "String",
"deprecated": false,
"documentation": "The operating system of the virtual machine.

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterDocumentation": "The operating system of the virtual machine.

@param platform The operating system of the virtual machine.

@return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation": "The operating system of the virtual machine.

@return The operating system of the virtual machine.
",
"getterMethodName": "getPlatform",
"getterModel": {
"returnType": "String",
"documentation": null
},
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"additionalUnmarshallingPath": null,
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallILocationName": "Platform",
"queryString": false,
"statusCode": false,
"unmarshallILocationName": "platform",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Platform",
"setterDocumentation": "The operating system of the virtual machine.

@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName": "setPlatform",
"setterModel": {
"variableDeclarationType": "String"}
The operating system of the virtual machine.

@return Returns a reference to this object so that method calls can be chained together.

/** The progress of the task. */
@param progress The progress of the task.
@return The progress of the task.

http:

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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "progress"}
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  "unmarshallLocationName": "snapshotDetailSet",
  "uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
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  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "SnapshotDetail",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
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method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n* @return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
    },
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      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    }
  }
}
"uri" : false,
"idempotencyToken" : false,
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"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member
 */",
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"setterModel" : {
"variableDeclarationType" : "SnapshotDetail",
"variableName" : "member",
"variableType" : "SnapshotDetail",
"documentation" : "",
"simpleType" : "SnapshotDetail",
"variableSetterType" : "SnapshotDetail"
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"simple" : false,
"varargSetterDocumentation" : "/**\n @param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SnapshotDetail",
"variableName" : "member",
"variableType" : "SnapshotDetail",
"documentation" : "",
"simpleType" : "SnapshotDetail",
"variableSetterType" : "SnapshotDetail"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "SnapshotDetail",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SnapshotDetail",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
"templateType" : "java.util.List<SnapshotDetail>"
},
"map" : false,
"mapModel" : null,
"name" : "SnapshotDetails",
"setterDocumentation" : "/**\n Information about the snapshots.\n */\n @param snapshotDetails Information about the snapshots.*/"}
"setterMethodName" : "setSnapshotDetails",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
  "variableName" : "snapshotDetails",
  "variableType" : "java.util.List<SnapshotDetail>",
  "documentation" : "",
  "simpleType" : "List<SnapshotDetail>",
  "variableSetterType" : "java.util.Collection<SnapshotDetail>"
},
"simple" : false,
"varargSetterDocumentation" : ""/**<p>Information about the snapshots.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSnapshotDetails(java.util.Collection)} or
{@link #withSnapshotDetails(java.util.Collection)} if you want to override the existing values.</p>
@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
  "variableName" : "snapshotDetails",
  "variableType" : "java.util.List<SnapshotDetail>",
  "documentation" : "<p>Information about the snapshots.</p>
  "simpleType" : "List<SnapshotDetail>",
  "variableSetterType" : "java.util.Collection<SnapshotDetail>"
},
"xmlNameSpaceUri" : null
},
"Status" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A brief status of the task.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : ""/**<p>A brief status of the task.</p>
  @param status A brief status of the task.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : ""/**<p>A brief status of the task.</p>
  @return A brief status of the task.</p>"
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>A brief status of the task.</p>
@param status A brief status of the task.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A brief status of the task.</p>
@param status A brief status of the task.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>A brief status of the task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
  "c2jName" : "StatusMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A detailed status message of the import task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : " */<p>A detailed status message of the import task.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatusMessage",
  "getterDocumentation" : " */<p>A detailed status message of the import task.</p>
@return A detailed status message of the import task.*/",statusMessage A detailed status message of the import task.\n@return Returns a reference to this object so that method calls can be chained together.*/",statusMessage A detailed status message of the import task.\n@return Returns a reference to this object so that method calls can be chained together.*/",statusMessage A detailed status message of the import task.\n@return Returns a reference to this object so that method calls can be chained together.*/
}
"getterMethodName" : "getStatusMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "StatusMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "statusMessage",
  "uri" : false
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"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "StatusMessage",

"setterDocumentation" : "/**<p>A detailed status message of the import task.</p>
@param statusMessage A detailed status message of the import task.*/",

"setterMethodName" : "setStatusMessage",

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  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>A detailed status message of the import task.</p>
@param statusMessage A detailed status message of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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  "variableName" : "statusMessage",
  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ImportImageResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "ImportImageResult",
  "variableName" : "importImageResult",
  "variableType" : "ImportImageResult",
  "documentation" : null,
  "simpleType" : "ImportImageResult",
  "variableSetterType" : "ImportImageResult"
},
"wrapper" : false
},
"ImportImageTask" : {
  "c2jName" : "ImportImageTask",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an import image task.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ImportTaskId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the import image task.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the import image task.</p>
@param importTaskId The ID of the import image task.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withImportTaskId",
  }
}
"getterDocumentation" : "/**<p>The ID of the import image task.</p>
@return The ID of the import image task.*/",
"getterMethodName" : "getImportTaskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportTaskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "importTaskId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**<p>The ID of the import image task.</p>
@param importTaskId The ID of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImportTaskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the import image task.</p>
@param importTaskId The ID of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the import image task.</p>",
  "getterDocumentation" : "/**<p>The ID of the import image task.</p>
@return The ID of the import image task.*/",
  "getterMethodName" : "getImportTaskId",
  "getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportTaskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "importTaskId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**<p>The ID of the import image task.</p>
@param importTaskId The ID of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImportTaskId",
"setterModel" : {
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  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the import image task.</p>
@param importTaskId The ID of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the import image task.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Architecture",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p>
@param architecture The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p>
@return The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> */",
"getterMethodName" : "getArchitecture",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Architecture",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "architecture",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p>
@param architecture The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> */",
"setterMethodName" : "withArchitecture",
"setterModel" : {
"returnType" : "String",
"documentation" : null
},
"xmlNameSpaceUri" : null
}
"setterMethodName": "setArchitecture",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "architecture",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p> <p>@param architecture The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p> <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "architecture",
  "variableType": "String",
  "documentation": "The architecture of the virtual machine.
Valid values: <code>i386</code> | <code>x86_64</code>
@param architecture The architecture of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.
",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "LicenseType",
"c2jShape": "String",
"deprecated": false,
"documentation": "The license type of the virtual machine.
@param licenseType The license type of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.
",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The license type of the virtual machine.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withLicenseType",
"getterDocumentation": "/**<p>The license type of the virtual machine.</p>
@return The license type of the virtual machine.
",
"getterMethodName": "getLicenseType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LicenseType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "licenseType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LicenseType",
"setterDocumentation" : "/**\n p The license type of the virtual machine.\n @param licenseType The license type of the virtual machine.*/",
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"setterModel" : {
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   "variableName" : "licenseType",
   "variableType" : "String",
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   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n p The license type of the virtual machine.\n @param licenseType The license type of the virtual machine.\n @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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   "variableName" : "licenseType",
   "variableType" : "String",
   "documentation" : "\n p The license type of the virtual machine.\n",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n p The description string for the import image task.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n p The description string for the import image task.\n @param platform\n The description string for the import image task.\n @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlatform",
"fluentSetterMethodSignature" : "withPlatform(String platform)"
}
"getterDocumentation" : "/**\<p>The description string for the import image task.</p>\n@return The description string for the import image task.*/",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**\<p>The description string for the import image task.</p>\n@param platform The description string for the import image task.*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The description string for the import image task.</p>\n@param platform The description string for the import image task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The description string for the import image task.</p>\n"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "Hypervisor",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The target hypervisor for the import task.<p>
Valid values: <code>xen</code>
</p>",

"enumType" : null,
"fluentSetterDocumentation" : "The target hypervisor for the import task.<p>
Valid values: <code>xen</code>

<p>@param hypervisor The target hypervisor for the import task.<p>
Valid values: <code>xen</code>

<p>@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withHypervisor",
"getterDocumentation" : "The target hypervisor for the import task.<p>
Valid values: <code>xen</code>

<p>@return Returns a reference to this object so that method calls can be chained together.*"",
"getterMethodName" : "getHypervisor",
"getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Hypervisor",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hypervisor",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "The target hypervisor for the import task.<p>
Valid values: <code>xen</code>

<p>@param hypervisor The target hypervisor for the import task.<p>
Valid values: <code>xen</code>

<p>@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName" : "setHypervisor",
"setterModel" : null,
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "hypervisor",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/** <p>The target hypervisor for the import task.\n\n@param hypervisor The target hypervisor for the import task.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "hypervisor",
  "variableType": "String",
  "documentation": "The target hypervisor for the import task.\n\nValid values: \n\n- <code>xen</code>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation": "A description of the import task.\n\n@return A description of the import task.\n\n@return A description of the import task.\n\n@return\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation": "/** <p>A description of the import task.\n\n@returns The target hypervisor for the import task.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/** <p>A description of the import task.\n\n@return A description of the import task.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getDescription",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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"queryString": false,
"statusCode": false,
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"mapModel": null,
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"setterDocumentation": "/**<p>A description of the import task.</p>
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  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param description A description of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "SnapshotDetails",
"c2jShape": "SnapshotDetailList",
"deprecated": false,
"documentation": "<p>Information about the snapshots.</p>",
"fluentSetterDocumentation": "/**<p>Information about the snapshots.</p>
@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSnapshotDetails",
"getterDocumentation": "/**<p>Information about the snapshots.</p>
@param snapshotDetails Information about the snapshots.
@return Information about the snapshots.*/",...
"getterMethodName": "getSnapshotDetails",
"getterModel": {
  "returnType": "java.util.List<SnapshotDetail>",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SnapshotDetailSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "snapshotDetailSet",
  "uri": false
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"idempotencyToken": false,

"list": true,

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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "SnapshotDetail",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
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    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "\n*\n@Return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "SnapshotDetail",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
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      "isPayload": false,
      "isStreaming": false,
      "path": null,
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      "queryString": false,
      "statusCode": false,
      "uri": false
    }
  }
}
"map" : false,
"mapModel" : null,
"name" : "SnapshotDetails",
"setterDocumentation" : "/**\n<p>Information about the snapshots.</p>\n@param snapshotDetails Information about the snapshots.</*/",
"setterMethodName" : "setSnapshotDetails",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
  "variableName" : "snapshotDetails",
  "variableType" : "java.util.List<SnapshotDetail>",
  "documentation" : "",
  "simpleType" : "List<SnapshotDetail>",
  "variableSetterType" : "java.util.Collection<SnapshotDetail>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the snapshots.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSnapshotDetails(java.util.Collection)} or {\link #withSnapshotDetails(java.util.Collection)} if you want to override the existing values.\n@param snapshotDetails Information about the snapshots.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
  "variableName" : "snapshotDetails",
  "variableType" : "java.util.List<SnapshotDetail>",
  "documentation" : <p>Information about the snapshots.</p>
  "simpleType" : "List<SnapshotDetail>",
  "variableSetterType" : "java.util.Collection<SnapshotDetail>"
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"xmlNameSpaceUri" : null,
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>\n@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**\n<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>\n@return The ID of the Amazon Machine Image (AMI) of the imported virtual machine.*/",
"getterMethodName" : "getImageId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "imageId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>
@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</param>*/",
"setterMethodName": "setImageId",
"setterModel": {
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  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>
@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>",
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  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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  "c2jName": "Progress",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The percentage of progress of the import image task.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**<p>The percentage of progress of the import image task.</p>
@param progress The percentage of progress of the import image task.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withProgress",
"getterDocumentation": "/**<p>The percentage of progress of the import image task.</p>
@return The percentage of progress of the import image task.
*/",
"getterMethodName": "getProgress",
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"documentation": null
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"header": false,
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "progress",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Progress",
"setterDocumentation": "/**<p>The percentage of progress of the import image task.</p>
@param progress The percentage of progress of the import image task.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setProgress",
"setterModel": {
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"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The percentage of progress of the import image task.</p>
@param progress The percentage of progress of the import image task.
@return Returns a reference to this object so that method calls can be chained together.
*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "progress",
    "variableType" : "String",
    "documentation" : "<p>The percentage of progress of the import image task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A descriptive status message for the import image task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>A descriptive status message for the import image task.</p>
@param statusMessage A descriptive status message for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/*<p>A descriptive status message for the import image task.</p>
@return A descriptive status message for the import image task.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "greedy" : false,
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    "isPayload" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "statusMessage",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/*<p>A descriptive status message for the import image task.</p>
@param statusMessage A descriptive status message for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/"
statusMessage A descriptive status message for the import image task.*/

"setterMethodName" : "setStatusMessage",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>A descriptive status message for the import image task.</p>
@param statusMessage A descriptive status message for the import image task.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",

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"variableType" : "String",
"documentation" : "<p>A descriptive status message for the import image task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Status",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A brief status for the import image task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A brief status for the import image task.</p>
@param status A brief status for the import image task.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>A brief status for the import image task.</p>
@return A brief status for the import image task.</return A brief status for the import image task.*/",
"getterMethodName" : "getStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isStreaming" : false,
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"statusCode": false,
"unmarshallLocationName": "status",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Status",
"setterDocumentation": "/**<p>A brief status for the import image task.</p>*/
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"variableDeclarationType": "String",
"variableName": "status",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>A brief status for the import image task.</p>*/
@param status A brief status for the import image task.
@return Returns a reference to this object so that method calls can be chained together/>
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"variableType": "String",
"documentation": "<p>A brief status for the import image task.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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},
"membersAsMap": {
"Architecture": {
"c2jName": "Architecture",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The architecture of the virtual machine.</p>",
"enumType": null,
"fluentSetterDocumentation": "/*<p>The architecture of the virtual machine.</p>*/
@param architecture The architecture of the virtual
machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code>
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> 
@return The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code>
","getterMethodName" : "getArchitecture",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "architecture",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> 
@param architecture The architecture of the virtual machine.
@return Returns a reference to this
object so that method calls can be chained together.*/**

    "variable" : {
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        "variableType" : "String",
        "documentation" : "<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code></p> "
    },
    "xmlNameSpaceUri" : null
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"Description" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description of the import task.</p>"
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
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     * @param description A description of the import task.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**
     * A description of the import task.
     * @return A description of the import task.
     */",
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "description",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n * A description of the import task.
 */",
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"setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
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 */
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"variable" : {
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    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>A description of the import task.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Hypervisor" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The target hypervisor for the import task.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
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"http" : {
    "additionalMarshallingPath" : null,
    "fluentSetterDocumentation" : "/**\n * The target hypervisor for the import task.
 */
@returns {param hypervisor The target hypervisor for the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHypervisor",
"getterDocumentation" : "/**\n * The target hypervisor for the import task.
 */
@returns {param hypervisor The target hypervisor for the import task.
@return The target hypervisor for the import task.*/",
"getterMethodName" : "getHypervisor",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Hypervisor",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hypervisor",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code> </p>
@param hypervisor The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code>*/",
"setterMethodName" : "setHypervisor",
"setterModel" : {
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  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code> </p>
@param hypervisor The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code>"*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ImageId" : {
  "c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>",
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>
@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",

"getterDocumentation" : "/**<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>
@return The ID of the Amazon Machine Image (AMI) of the imported virtual machine.*/",
"getterMethodName" : "getImageId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "ImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "imageId",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",

"setterDocumentation" : "/**<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>
@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@return The ID of the Amazon Machine Image (AMI) of the imported virtual machine.*/",
"setterMethodName" : "setImageId",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**\n@\n@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.\n\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"ImportTaskId" : {
  "c2jName" : "ImportTaskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the import image task.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@\n@param importTaskId The ID of the import image task.\n\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImportTaskId",
  "getterDocumentation" : "<p>The ID of the import image task.</p>
  "getterMethodName" : "getImportTaskId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImportTaskId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "importTaskId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**<p>The ID of the import image task.</p>
@param importTaskId The ID of the import image task.</p>*/",
"setterMethodName" : "setImportTaskId",
"setterModel" : {
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  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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@param importTaskId The ID of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"LicenseType" : {
  "c2jName" : "LicenseType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The license type of the virtual machine.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@param licenseType The license type of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseType",
  "getterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@return The license type of the virtual machine.*/",
  "getterMethodName" : "getLicenseType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LicenseType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "licenseType",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LicenseType",
"setterDocumentation" : "/**\n@param licenseType The license type of the virtual machine.*/",
"setterMethodName" : "setLicenseType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param licenseType The license type of the virtual machine.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "The license type of the virtual machine.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"Platform" : {
  "c2jName" : "Platform",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The description string for the import image task."}
"enumType" : null,
"fluentSetterDocumentation" : "/** \n @param platform The description string for the import image task. \n @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/** \n @return The description string for the import image task. */",
"getterMethodName" : "getPlatform",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
  "uri" : false
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"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/** \n @param platform The description string for the import image task. \n @return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** \n @param platform The description string for the import image task. \n @return Returns a reference to this object so that method calls can be chained together. */
"}
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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The description string for the import image task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Progress" : {
  "c2jName" : "Progress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The percentage of progress of the import image task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The percentage of progress of the import image task.</p>@param progress The percentage of progress of the import image task.take.*/",
  "fluentSetterMethodName" : "withProgress",
  "getterDocumentation" : "/**<p>The percentage of progress of the import image task.</p>@return The percentage of progress of the import image task.*/",
  "getterMethodName" : "getProgress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Progress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "progress",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Progress"
"setterDocumentation" : "/**<p>The percentage of progress of the import image task.</p>
@param progress The percentage of progress of the import image task.*/",
"setterMethodName" : "setProgress",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "progress",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The percentage of progress of the import image task.</p>
@param progress The percentage of progress of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "progress",
   "variableType" : "String",
   "documentation" : "<p>The percentage of progress of the import image task.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"SnapshotDetails" : {
   "c2jName" : "SnapshotDetails",
   "c2jShape" : "SnapshotDetailList",
   "deprecated" : false,
   "documentation" : "<p>Information about the snapshots.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>Information about the snapshots.</p>
@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withSnapshotDetails",
   "getterDocumentation" : "/**<p>Information about the snapshots.</p>
@return Information about the snapshots.*/",
   "getterMethodName" : "getSnapshotDetails",
   "getterModel" : {
      "returnType" : "java.util.List<SnapshotDetail>",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotDetailSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "snapshotDetailSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SnapshotDetail",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
}}
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**@n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SnapshotDetail",
  "variableName" : "member",
  "variableType" : "SnapshotDetail",
  "documentation" : "",
  "simpleType" : "SnapshotDetail",
  "variableSetterType" : "SnapshotDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**@n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SnapshotDetail",
  "variableName" : "member",
  "variableType" : "SnapshotDetail",
  "documentation" : "",
  "simpleType" : "SnapshotDetail",
  "variableSetterType" : "SnapshotDetail"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SnapshotDetail",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SnapshotDetail",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
"templateType" : "java.util.List<SnapshotDetail>"
}
"map" : false,
"mapModel" : null,
"name" : "SnapshotDetails",
"setterDocumentation" : "/**<p>Information about the snapshots.</p>\n@param snapshotDetails Information about the snapshots.*/",
"setterMethodName" : "setSnapshotDetails",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
  "variableName" : "snapshotDetails",
  "variableType" : "java.util.List<SnapshotDetail>",
  "documentation" : ""
"simpleType" : "List<SnapshotDetail>",
"variableSetterType" : "java.util.Collection<SnapshotDetail>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the snapshots.\nNOTE:\nThis method appends the values to the existing list (if any). Use { @link #setSnapshotDetails(java.util.Collection) } or { @link #withSnapshotDetails(java.util.Collection) } if you want to override the existing values.\n\n@returns\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
"variableName" : "snapshotDetails",
"variableType" : "java.util.List<SnapshotDetail>",
"documentation" : "Information about the snapshots.",
"simpleType" : "List<SnapshotDetail>",
"variableSetterType" : "java.util.Collection<SnapshotDetail>",
"xmlNameSpaceUri" : null
},
"Status" : {
"c2jName" : "Status",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A brief status for the import image task.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param status A brief status for the import image task.\n@returns\nReturns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**\n@return A brief status for the import image task.*/",
"getterMethodName" : "getStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>A brief status for the import image task.</p>
@param status A brief status for the import image task. */",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A brief status for the import image task.</p>
@param status A brief status for the import image task.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>A brief status for the import image task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
  "c2jName" : "StatusMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A descriptive status message for the import image task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A descriptive status message for the import image task.</p>
@param statusMessage A descriptive status message for the import image task.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withStatusMessage",
  "getterDocumentation" : "/**<p>A descriptive status message for the import image task.</p>
@return A descriptive status message for the import image task. */",
  "getterMethodName" : "getStatusMessage",
  "getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"returnType" : "String",
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StatusMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "statusMessage",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**\nA descriptive status message for the import image task.

@returns {String} Returns a reference to this object so that method calls can be chained together.\*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nA descriptive status message for the import image task.

@returns {String} Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "<p>A descriptive status message for the import image task.</p>

@returns {String} Returns a reference to this object so that method calls can be chained together.\*/",
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ImportImageTask",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ImportImageTask",
  "variableName" : "importImageTask",
  "variableType" : "ImportImageTask",
  "documentation" : null,
  "simpleType" : "ImportImageTask",
  "variableSetterType" : "ImportImageTask"
},
"wrapper" : false
},
"ImportInstanceLaunchSpecification" : {
  "c2jName" : "ImportInstanceLaunchSpecification",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes the launch specification for VM import.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
    {
      "c2jName" : "Architecture",
      "c2jShape" : "ArchitectureValues",
      "deprecated" : false,
      "documentation" : "The architecture of the instance.",
      "enumType" : "ArchitectureValues",
      "fluentSetterDocumentation" : "The architecture of the instance.",
      "fluentSetterMethodName" : "withArchitecture",
      "getterDocumentation" : "The architecture of the instance."},
    {
      "c2jName" : "Architecture",
      "c2jShape" : "ArchitectureValues",
      "deprecated" : false,
      "documentation" : "The architecture of the instance.",
      "enumType" : "ArchitectureValues",
      "fluentSetterDocumentation" : "The architecture of the instance.",
      "fluentSetterMethodName" : "withArchitecture",
      "getterDocumentation" : "The architecture of the instance."},
    {
      "c2jName" : "Architecture",
      "c2jShape" : "ArchitectureValues",
      "deprecated" : false,
      "documentation" : "The architecture of the instance.",
      "enumType" : "ArchitectureValues",
      "fluentSetterDocumentation" : "The architecture of the instance.",
      "fluentSetterMethodName" : "withArchitecture",
      "getterDocumentation" : "The architecture of the instance."}]}
instance.

@see ArchitectureValues*/
"getterMethodName" : "getArchitecture",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "architecture",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the instance.\n@param architecture The architecture of the instance.\n@see ArchitectureValues*/
"setterMethodName" : "setArchitecture",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The architecture of the instance.\n@param architecture The architecture of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ArchitectureValues*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "<p>The architecture of the instance.</p>",
  "simpleType" : "String"
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroup",
  "queryString" : false,
  "statusCode" : false,
  "marshallLocationName" : "SecurityGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null
],
"memberLocationName" : "SecurityGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>One or more security group names.</p>
@param groupNames One or more security group names.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupIds",
"c2jShape" : "SecurityGroupIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>One or more security group IDs.</p>
@returns One or more security group IDs.
@returns
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupIds",
"getterDocumentation" : "/**
<p>One or more security group IDs.</p>
@returns
@return One or more security group IDs.
@returns
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getGroupIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@returns member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@returns member
@return One or more security group IDs.
@return
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false,
"
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"
"list" : false,
"listModel" : null,

"map" : false,
"mapModel" : null,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "GroupIds",
"setterDocumentation" : "/**<p>One or more security group IDs.</p>
@param groupIds One or more security group IDs.*/",
"setterMethodName" : "setGroupIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroupIds(java.util.Collection)} or {@link #withGroupIds(java.util.Collection)} if you want to override the existing values.</p>
@param groupIds One or more security group IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group IDs.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AdditionalInfo",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Reserved.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAdditionalInfo",
"getterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.
@return Reserved.*/",
"getterMethodName" : "getAdditionalInfo",
"getterModel" : 

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"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AdditionalInfo",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "additionalInfo",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AdditionalInfo",
"setterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.*/",
"setterMethodName" : "setAdditionalInfo",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param additionalInfo Reserved.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "<p>Reserved.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "UserData",}
"c2jShape" : "UserData",
"deprecated" : false,
"documentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\\n\n\n**\n\n*fluentSetterDocumentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\\n\n*getterDocumentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\\n\n*setterDocumentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\\n\n"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\\n\n*
from a file. Otherwise, you must provide Base64-encoded text. */

setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "UserData",
  "variableName" : "userData",
  "variableType" : "UserData",
  "documentation" : "",
  "simpleType" : "UserData",
  "variableSetterType" : "UserData"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text. In this case, you can load the text from a file. Otherwise, you
must provide Base64-encoded text. The user data to make available to the instance. If you are using an AWS SDK or
command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
must provide Base64-encoded text.*/

@param userData The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.

@return Returns a reference to this

@see InstanceType*/

"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.

@return The instance type. For more information about the instance types that you can import, see <a
Instance Types</a> in the VM Import/Export User Guide.
@param instanceType The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.

**setterMethodName**: "setInstanceType",

**setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

**simple**: true,

**varargSetterDocumentation**: "/** <p>The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.</p>\n@param instanceType The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.\n@see InstanceType*/";
Instance Types</a> in the VM Import/Export User Guide.

@returns Returns a reference to this object so that method calls can be chained together.

@see InstanceType*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "The instance type. For more information about the instance types that you can import, see \n<a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.

The placement information for the instance.

@returns Returns a reference to this object so that method calls can be chained together.

@see Placement*

  "c2jName" : "Placement",
  "c2jShape" : "Placement",
  "deprecated" : false,
  "documentation" : "The placement information for the instance.

@returns The placement information for the instance.

  "getterDocumentation" : "The placement information for the instance.

@returns The placement information for the instance.

  "getterMethodName" : "getPlacement",
  "getterModel" : {
    "returnType" : "Placement",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Placement",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "placement",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Placement",
"setterDocumentation": "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.</p> */",
"setterMethodName": "setPlacement",
"setterModel": {
  "variableDeclarationType": "Placement",
  "variableName": "placement",
  "variableType": "Placement",
  "documentation": "",
  "simpleType": "Placement",
  "variableSetterType": "Placement"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.</p> */",
"variable": {
  "variableDeclarationType": "Placement",
  "variableName": "placement",
  "variableType": "Placement",
  "documentation": "<p>The placement information for the instance.</p>
  "simpleType": "Placement",
  "variableSetterType": "Placement"
},
"xmlNameSpaceUri": null,
},
"c2jName": "Monitoring",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether monitoring is enabled.</p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.</p> */",
"fluentSetterMethodName": "withMonitoring",
"getterDocumentation": "/**<p>Indicates whether monitoring is enabled.</p>
@return Indicates whether monitoring is enabled.</p> */",
"getterMethodName": "getMonitoring",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Monitoring.Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "monitoring/enabled",
"uri" : false
},

"idempotencyToken" : false,

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"name" : "Monitoring",

"setterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled. */",

"setterMethodName" : "setMonitoring",

"setterModel" : {

"variableDeclarationType" : "Boolean",
"variableName" : "monitoring",
"variableType" : "Boolean",

"documentation" : "",

"simpleType" : "Boolean",

"variableSetterType" : "Boolean"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {

"variableDeclarationType" : "Boolean",
"variableName" : "monitoring",
"variableType" : "Boolean",

"documentation" : "<p>Indicates whether monitoring is enabled.</p>",

"simpleType" : "Boolean",

"variableSetterType" : "Boolean"
},

"xmlNameSpaceUri" : null
}, {

c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,

"documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>",

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.</n@return
Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</n@return [EC2-VPC] The ID of the subnet in which to launch the instance."*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.
@return
Returns a reference to this object so that method calls can be chained together."*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.</n@return
Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "ShutdownBehavior",
"deprecated" : false,
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"enumType" : "ShutdownBehavior",
"fluentSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/
@param
InstanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.

see ShutdownBehavior*/",
"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/
@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

see ShutdownBehavior*/",
"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceInitiatedShutdownBehavior",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceInitiatedShutdownBehavior",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceInitiatedShutdownBehavior",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
"enumType" : null,
"fluentsetterDocumentation" : "/**<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
@param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.
@return Returns a reference to this object so that method calls can be chained together.
@see ShutdownBehavior*/",
"fluentsetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
@return [EC2-VPC] An available IP address from the IP address range of the subnet.
@see ShutdownBehavior*/",
"getterMethodName" : "getPrivateIpAddress",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PrivateIpAddress",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "privateIpAddress",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIpAddress",
"setterDocumentation": "/**<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
 @param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.*/",
"setterMethodName": "setPrivateIpAddress",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
 @param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null}
"membersAsMap": {
  "AdditionalInfo": {
    "c2jName": "AdditionalInfo",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>Reserved.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "<p>Reserved.</p>@param additionalInfo Reserved.<p>@return Returns a reference to this object so that method calls can be chained together.</p>",
    "fluentSetterMethodName": "withAdditionalInfo",
    "getterDocumentation": "<p>Reserved.</p>@return Reserved.<p>*/",
    "getterMethodName": "getAdditionalInfo",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "AdditionalInfo",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "additionalInfo",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "AdditionalInfo",
    "setterDocumentation": "<p>Reserved.</p>@param additionalInfo Reserved.<p>*/",
    "setterMethodName": "setAdditionalInfo",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "additionalInfo",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "simple": true,
"varargSetterDocumentation" : "/**<p>Reserved.</p>@param additionalInfo Reserved.</param>@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/", "fluentSetterMethodName" : "withArchitecture", "getterDocumentation" : "/**<p>The architecture of the instance.</p>@return The architecture of the instance.
"mapModel": null,
"name": "Architecture",
"setterDocumentation": "/**\n@param architecture The architecture of the instance.\n@see ArchitectureValues*/",
"setterMethodName": "setArchitecture",
"setterModel": {
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  "variableName": "architecture",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param architecture The architecture of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ArchitectureValues*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "architecture",
  "variableType": "String",
  "documentation": "One or more security group IDs.\n@return Returns a reference to this object so that method calls can be chained together.\n@see GroupIds*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n@param groupIds One or more security group IDs.\n@return Returns a reference to this object so that method calls can be chained together.\n@see GroupIds*/",
  "fluentSetterMethodName": "withGroupIds",
  "getterDocumentation": "/**\n@return One or more security group IDs.\n@see GroupIds*/",
  "getterMethodName": "getGroupIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "SecurityGroupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "GroupIds",
"setterDocumentation": "/**
One or more security group IDs.
*/
@param groupIds One or more security group IDs.*/",
"setterMethodName": "setGroupIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "groupIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
"simple": false,
"varargSetterDocumentation": "**\n\nOne or more security group IDs.
\n**NOTE:** This method appends the values to the existing list (if any). Use \@link #setGroupIds(java.util.Collection) or \@link #withGroupIds(java.util.Collection) if you want to override the existing values.
\n\n**\n\n@vararg groupIds One or more security group IDs.\n\n**return Returns a reference to this object so that method calls can be chained together.**",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "groupIds",
"variableType": "java.util.List<String>",
"documentation": "One or more security group IDs.
\n**simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
"xmlNameSpaceUri": null
},
"GroupNames": {
"c2jName": "GroupNames",
"c2jShape": "SecurityGroupStringList",
"deprecated": false,
"documentation": "One or more security group names.
\n**return Returns a reference to this object so that method calls can be chained together.**",
"fluentSetterDocumentation": "**\n\nOne or more security group names.
\n**param groupNames One or more security group names.\n\n**return Returns a reference to this object so that method calls can be chained together.**",
"fluentSetterMethodName": "withGroupNames",
"getterDocumentation": "**\n\nOne or more security group names.
\n**return One or more security group names.\n\ngetterMethodName": "getGroupNames",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "GroupName",
"queryString": false,
method appends the values to the existing list (if any). Use [link setGroupNames(java.util.Collection)] or [link withGroupNames(java.util.Collection)] if you want to override the existing values.<p>

@<p>

@<param>

@<return>

Returns a reference to this object so that method calls can be chained together.<p/>

"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",

"variableName" : "groupNames",

"variableType" : "java.util.List<String>",

"documentation" : "<p>One or more security group names.</p>",

"simpleType" : "List<String>",

"variableSetterType" : "java.util.Collection<String>"

},

"xmlNameSpaceUri" : null

},

"InstanceInitiatedShutdownBehavior" : {  

"c2jName" : "InstanceInitiatedShutdownBehavior",

"c2jShape" : "ShutdownBehavior",

"deprecated" : false,

"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",

"enumType" : "ShutdownBehavior",

"fluentSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>

@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

@return Returns a reference to this object so that method calls can be chained together.

@see ShutdownBehavior*/",

"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",

"getterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>

@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

@see ShutdownBehavior*/",

"getterMethodName" : "getInstanceInitiatedShutdownBehavior",

"getterModel" : {

"returnType" : "String",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "InstanceInitiatedShutdownBehavior",

"queryString" : false,

"statusCode" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@see ShutdownBehavior*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@see ShutdownBehavior*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ShutdownBehavior*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.\n\n@enumType "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type. For more information about the instance types that

```java
@param instanceType The instance type. For more information about the instance types that you can import, see `<a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a>` in the VM Import/Export User Guide.

@return Returns a reference to this object so that method calls can be chained together.

@see InstanceType*/

"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**p>The instance type. For more information about the instance types that you can import, see `<a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a>` in the VM Import/Export User Guide.

@return The instance type. For more information about the instance types that you can import, see `<a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a>` in the VM Import/Export User Guide.

@see InstanceType*/",

"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "InstanceType",

"setterDocumentation" : "/**p>The instance type. For more information about the instance types that you can import, see `<a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a>` in the VM Import/Export User Guide.

@return The instance type. For more information about the instance types that you can import, see `<a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a>` in the VM Import/Export User Guide.

@see InstanceType*/",

"setterMethodName" : "setInstanceType",

"setterModel" : {
  "variableDeclarationType" : "String",

```
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String",
"
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.</p>\n@param instanceType The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.</a> in the VM Import/Export User Guide.</p>">
"variable" : {  
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"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.",
"simpleType" : "String",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"Monitoring" : {  
"c2jName" : "Monitoring",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether monitoring is enabled.",
"enumType" : null,
"fluentSetterDocumentation" : "/**Indicates whether monitoring is enabled.</p>\n@param monitoring Indicates whether monitoring is enabled.</a> in the VM Import/Export User Guide.</p>"},
"getterDocumentation" : "/**Indicates whether monitoring is enabled.",
"getterMethodName" : "getMonitoring",
"getterModel" : {  
"returnType" : "Boolean",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Monitoring.Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "monitoring/enabled",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether monitoring is enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Placement" : {
  "c2jName" : "Placement",
  "c2jShape" : "Placement",
  "deprecated" : false,
  "documentation" : "<p>The placement information for the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/

*/
*/
The placement information for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/", "fluentSetterMethodName" : "withPlacement", "getterDocumentation" : "/**<p>The placement information for the instance.</p>
@return The placement information for the instance.*/", "getterMethodName" : "getPlacement", "getterModel" : {
  "returnType" : "Placement",
  "documentation" : null
}, "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Placement",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "placement",
  "uri" : false
}, "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "Placement", "setterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/", "setterMethodName" : "setPlacement", "setterModel" : {
  "variableDeclarationType" : "Placement",
  "variableName" : "placement",
  "variableType" : "Placement",
  "documentation" : "",
  "simpleType" : "Placement",
  "variableSetterType" : "Placement"
}, "simple" : false, "varargSetterDocumentation" : "/**<p>The placement information for the instance.\n@param placement The placement information for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
  "variableDeclarationType" : "Placement",}
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>",
"simpleType" : "Placement",
"variableSetterType" : "Placement"
],
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
@ReturnValue Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/*<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
@return [EC2-VPC] An available IP address from the IP address range of the subnet.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/*<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
@param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
"returnType" : "PrivateIpAddress",
"documentation" : null
},
"xmlNameSpaceUri" : null
}
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * @param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.
 * @return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>
 @param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.
 @return Returns a reference to this object so that method calls can be chained together. */",
  "xmlNameSpaceUri" : null
},
"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>
  @param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**
 * @param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.
 * @return [EC2-VPC] The ID of the subnet in which to launch the instance. */",
  "getterMethodName" : "getSubnetId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "subnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "subnetId",
"setterDocumentation" : "/*\n@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.*/
setterMethodName" : "setSubnetId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.\n</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/
"xmlNameSpaceUri" : null
},
"UserData" : {
"c2jName" : "UserData",
"c2jShape" : "UserData",
"deprecated" : false,
"documentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n"enumType" : null,
"fluentSetterDocumentation" : "/*\nThe user data to make available to the instance. If you are using an
"xmlNameSpaceUri" : null
},
"UserData" : {
"c2jName" : "UserData",
"c2jShape" : "UserData",
"deprecated" : false,
"documentation" : "The user data to make available to the instance. If you are using an
"xmlNameSpaceUri" : null
},
"UserData" : {
"c2jName" : "UserData",
"c2jShape" : "UserData",
"deprecated" : false,
"documentation" : "The user data to make available to the instance. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

/**<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

@param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

@param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

@return The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

getterModel" : {
  "returnType" : "UserData",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserData",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "userData",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"getterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

@param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

@return The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "UserData",
  "variableName" : "userData",
  "variableType" : "UserData",
  "documentation" : ""./*

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"simpleType": "UserData",
"variableSetterType": "UserData"
},
"simple": false,
"varargSetterDocumentation": "**<p>The user data to make available to the instance. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.\n@param userData The user data to make available to the
instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can
load the text from a file. Otherwise, you must provide Base64-encoded text.\n@return Returns a reference to this
object so that method calls can be chained together.*\"",
"variable": {
"variableDeclarationType": "UserData",
"variableName": "userData",
"variableType": "UserData",
"documentation": "<p>The user data to make available to the instance. If you are using an AWS SDK or
command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
must provide Base64-encoded text.</p>",
"simpleType": "UserData",
"variableSetterType": "UserData"
},
"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "ImportInstanceLaunchSpecification",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "ImportInstanceLaunchSpecification",
"variableName": "importInstanceLaunchSpecification",
"variableType": "ImportInstanceLaunchSpecification",
"documentation": null,
"simpleType": "ImportInstanceLaunchSpecification",
"variableSetterType": "ImportInstanceLaunchSpecification"
},
"wrapper": false
},
"ImportInstanceRequest": {
"c2jName": "ImportInstanceRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
"deprecated": false,
"documentation": "<p>Contains the parameters for ImportInstance.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "ImportInstance",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "Description",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>A description for the instance being imported.</p>",
    "enumType": null,
    "fluentSetterDocumentation": /**<p>A description for the instance being imported.</p>
    * @param description
    * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withDescription",
    "getterDocumentation": /**<p>A description for the instance being imported.</p>
    * @return A description for the instance being imported.*/
    "getterMethodName": "getDescription",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Description",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "description",
      "uri": false
    }
  }
},
"serviceUrl": null,
"serviceName": "ImportInstance",  "requestJsonName": "Instance",  "responseJsonName": "Instance",  "uri": "/"
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the instance being imported.</p>@param description A description for the instance being imported.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>A description for the instance being imported.</p>@param description A description for the instance being imported.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the instance being imported.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "LaunchSpecification",
"c2jShape" : "ImportInstanceLaunchSpecification",
"deprecated" : false,
"documentation" : "<p>The launch specification.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The launch specification.</p>@param launchSpecification The launch specification.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLaunchSpecification",
"getterDocumentation" : "/**<p>The launch specification.</p>@return The launch specification.@*/",
"getterMethodName" : "getLaunchSpecification",
"getterModel" : {
  "returnType" : "ImportInstanceLaunchSpecification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchSpecification",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchSpecification",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchSpecification",
"setterDocumentation" : "/**<p>The launch specification.</p>
@param launchSpecification The launch specification.*/",
"setterMethodName" : "setLaunchSpecification",
"setterModel" : {
  "variableDeclarationType" : "ImportInstanceLaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "ImportInstanceLaunchSpecification",
  "documentation" : "",
  "simpleType" : "ImportInstanceLaunchSpecification",
  "variableSetterType" : "ImportInstanceLaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "ImportInstanceLaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "ImportInstanceLaunchSpecification",
  "documentation" : "<p>The launch specification.</p>",
  "simpleType" : "ImportInstanceLaunchSpecification",
  "variableSetterType" : "ImportInstanceLaunchSpecification"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DiskImages",
"c2jShape" : "DiskImageList",
"deprecated" : false,
"documentation" : "<p>The disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The disk image.</p>
@param diskImages The disk image.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDiskImages",
"getterDocumentation" : "/**<p>The disk image.</p>
@return The disk image.*/",
"getterMethodName" : "getDiskImages",
"getterModel" : {
    "returnType" : "java.util.List<DiskImage>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DiskImage",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "diskImage",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "DiskImage",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member
@return
Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return
Returns a reference to this object so that method calls can be chained together.*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "DiskImage",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
"simpleType" : "DiskImage",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DiskImage>",
"templateType" : "java.util.List<DiskImage>
}
},
"map" : false,
"mapModel" : null,
"name" : "DiskImages",
"setterDocumentation" : "/**<p>The disk image.</p>
@param diskImages The disk image.*/",
"setterMethodName" : "setDiskImages",
"setterModel" :{
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DiskImage>",
  "variableName" : "diskImages",
  "variableType" : "java.util.List<DiskImage>",
  "documentation" : "",
  "simpleType" : "List<DiskImage>",
  "variableSetterType" : "java.util.Collection<DiskImage>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The disk image.</p>
@param diskImages The disk image.*/
NOTE:<b>/p> This method appends the values to the existing list (if any). Use { @link #setDiskImages(java.util.Collection) } or { @link #withDiskImages(java.util.Collection) } if you want to override the existing values.<b>/p>
@param diskImages The disk image.
@return Returns a reference to this object so that method calls can be chained together="/p",
"variable" :{
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DiskImage>",
  "variableName" : "diskImages",
  "variableType" : "java.util.List<DiskImage>",
  "documentation" : "<p>The disk image.</p>",
  "simpleType" : "List<DiskImage>",
  "variableSetterType" : "java.util.Collection<DiskImage>",
"xmlNameSpaceUri" : null
},
  "c2jName" : "Platform",
  "c2jShape" : "PlatformValues",
  "deprecated" : false,
  "documentation" : "<p>The instance operating system.</p>",
  "enumType" : "PlatformValues",
  "fluentSetterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together."/p",
  "fluentSetterMethodName" : "withPlatform",
  "getterDocumentation" : "/**<p>The instance operating system.</p>
@return The instance operating system."/p",
  "getterMethodName" : "getPlatform",
  "getterModel" :{
    "returnType" : "String",
    "documentation" : null
  },
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The instance operating system.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];
"membersAsMap" : {
  "Description" :

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description for the instance being imported.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for the instance being imported.</p>@param
description A description for the instance being imported.@return Returns a reference to this object so that method
calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description for the instance being imported.</p>@return A description
for the instance being imported.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the instance being imported.</p>@param
description A description for the instance being imported.@return Returns a reference to this object so that method
calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>A description for the instance being imported.</p>
@param description A description for the instance being imported.
@return Returns a reference to this object so that method calls can be chained together.*",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>A description for the instance being imported.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"DiskImages" : {
    "c2jName" : "DiskImages",
    "c2jShape" : "DiskImageList",
    "deprecated" : false,
    "documentation" : "<p>The disk image.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The disk image.
    <p>The disk image.</p>
    @param diskImages The disk image.
    @return Returns a reference to this object so that method calls can be chained together.*",
    "fluentSetterMethodName" : "withDiskImages",
    "getterDocumentation" : "<p>The disk image.</p>
    @return The disk image.*",
    "getterMethodName" : "getDiskImages",
    "getterModel" : {
        "returnType" : "java.util.List<DiskImage>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "DiskImage",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "diskImage",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "getterModel" : {
            "returnType" : "java.util.List<DiskImage>",
            "documentation" : null
        }
    }
}
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "DiskImage",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "DiskImage",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "DiskImage",
    "variableName" : "member",
    "variableType" : "DiskImage",
    "documentation" : "",
    "simpleType" : "DiskImage",
    "variableSetterType" : "DiskImage"
  },
  "simple" : false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "DiskImage",
  "variableName": "member",
  "variableType": "DiskImage",
  "documentation": "",
  "simpleType": "DiskImage",
  "variableSetterType": "DiskImage"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "DiskImage",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "DiskImage",
"templateImplType": "com.amazonaws.internal.SdkInternalList<DiskImage>",
"templateType": "java.util.List<DiskImage>",
"map": false,
"mapModel": null,
"name": "DiskImages",
"setterDocumentation": "/**\n<p>The disk image.</p>
@param diskImages The disk image.*/",
"setterMethodName": "setDiskImages",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<DiskImage>",
  "variableName": "diskImages",
  "variableType": "java.util.List<DiskImage>",
  "documentation": "",
  "simpleType": "List<DiskImage>",
  "variableSetterType": "java.util.Collection<DiskImage>",
  "simple": false,
  "varargSetterDocumentation": "/**\n<p>The disk image.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {
@link #setDiskImages(java.util.Collection) or {
@link #withDiskImages(java.util.Collection)} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<DiskImage>",
    "variableName": "diskImages",
    "variableType": "java.util.List<DiskImage>",
    "documentation": "<p>The disk image.</p>",
    "simpleType": "List<DiskImage>"}
"variableSetterType" : "java.util.Collection<DiskImage>"
],
"xmlNameSpaceUri" : null
},
"LaunchSpecification" : {
  "c2jName" : "LaunchSpecification",
  "c2jShape" : "ImportInstanceLaunchSpecification",
  "deprecated" : false,
  "documentation" : "\pThe launch specification.\p",
  "enumType" : null,
  "fluentSetterDocumentation" : "@param launchSpecification The launch specification.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLaunchSpecification",
  "getterDocumentation" : "@return The launch specification.*/",
  "getterMethodName" : "getLaunchSpecification",
  "getterModel" : {
    "returnType" : "ImportInstanceLaunchSpecification",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "LaunchSpecification",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "launchSpecification",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "LaunchSpecification",
  "setterDocumentation" : "@param launchSpecification The launch specification.*/",
  "setterMethodName" : "setLaunchSpecification",
  "setterModel" : {
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    "variableName" : "launchSpecification",
    "variableType" : "ImportInstanceLaunchSpecification",
    "documentation" : ""
  }
}
"simpleType" : "ImportInstanceLaunchSpecification",
"variableSetterType" : "ImportInstanceLaunchSpecification"
},
"simple" : false,
"variableSetterDocumentation" : "/**\n\<p\>The launch specification.\</p\>\n@\n@param launchSpecification The launch specification.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ImportInstanceLaunchSpecification",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "launchSpecification",
"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "launchSpecification",
"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "launchSpecification",
"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "launchSpecification",
"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "<p>The launch specification.</p>
@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
}
"xmlNameSpaceUri" : null
},
"Platform" : {
"c2jName" : "Platform",
"c2jShape" : "PlatformValues",
"deprecated" : false,
"documentation" : "<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**\n\<p\>The instance operating system.\</p\>\n@\n@return The instance operating system.\n@see PlatformValues*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
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}"}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/*\n The instance operating system.
 @param platform The instance operating system.
 @see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "platform",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/*\n The instance operating system.
 @param platform The instance operating system.
 @return Returns a reference to this object so that method calls can be chained together.
 @see PlatformValues*/",
"variable" : {
   "variableDeclarationType" : "ImportInstanceRequest",
   "variableName" : "importInstanceRequest",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "ImportInstanceRequest",
   "variableSetterType" : "ImportInstanceRequest"
},
"wrapper" : false
}
"c2jName" : "ImportInstanceResult",
"customization" : 

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output for ImportInstance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ ]

"c2jName" : "ConversionTask",
"c2jShape" : "ConversionTask",
"deprecated" : false,
"documentation" : "<p>Information about the conversion task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the conversion task.</p>
@param conversionTask
Conversion task.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withConversionTask",
"getterDocumentation" : "/**<p>Information about the conversion task.</p>
@return Information about the
conversion task.*/",
"getterMethodName" : "getConversionTask",
"getterModel" : { 
"returnType" : "ConversionTask",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ConversionTask",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTask",
"uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTask",
"setterDocumentation" : "/**\n * Information about the conversion task.<p/>
 * @param conversionTask
 * Information about the conversion task.*\n */",
"setterMethodName" : "setConversionTask",
"setterModel" : {
  "variableDeclarationType" : "ConversionTask",
  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Information about the conversion task.<p/>
 * @param conversionTask
 * Information about the conversion task.
 * @return Returns a reference to this object so that method calls can be
 * chained together.*\n */",
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  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "<p>Information about the conversion task.</p>",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
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"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
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    "c2jName" : "ConversionTask",
    "c2jShape" : "ConversionTask",
    "deprecated" : false,
    "documentation" : "<p>Information about the conversion task.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * Information about the conversion task.<p/>
 * @param conversionTask
 * Information about the conversion task.<p/>
 * @return Returns a reference to this object so that method calls can be
 * chained together.*\n */",
    "fluentSetterMethodName" : "withConversionTask",
    "getterDocumentation" : "/**\n * Information about the conversion task.<p/>
 * @return Information about the conversion task.*\n */",
    "getterMethodName" : "getConversionTask",
    "getterModel" : {
      "returnType" : "ConversionTask",
      "documentation" : null
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTask",
"setterDocumentation" : "/** Information about the conversion task. */
@param conversionTask Information about the conversion task.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"setterModel" : {
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  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
},
"simple" : false,
"varargSetterDocumentation" : "/** Information about the conversion task.
@param conversionTask Information about the conversion task.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "<p>Information about the conversion task.</p>
*/",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
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"xmlNameSpaceUri" : null}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ImportInstanceResult",
"unmarshaller" : {
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    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "ImportInstanceResult",
    "variableName" : "importInstanceResult",
    "variableType" : "ImportInstanceResult",
    "documentation" : null,
    "simpleType" : "ImportInstanceResult",
    "variableSetterType" : "ImportInstanceResult"
},
"wrapper" : false
},
"ImportInstanceTaskDetails" : {
    "c2jName" : "ImportInstanceTaskDetails",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Describes an import instance task."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
    {
        "c2jName" : "Volumes",
        "c2jShape" : "ImportInstanceVolumeDetailSet",
        "deprecated" : false,
        "documentation" : "One or more volumes.
        @param volumes One or more volumes.
        @return Returns a reference to this object so that method calls can be chained together.
        
        fluentSetterDocumentation" : "One or more volumes.
        fluentSetterMethodName" : "withVolumes",
        "getterDocumentation" : "One or more volumes.
        getterMethodName" : "getVolumes",
        "getterModel" : {
            "returnType" : "List<ImportInstanceVolumeDetailItem>"
        }
    }
]
"setterDocumentation" : "/**<p>One or more volumes.</p>
@param volumes One or more volumes.*/",
"setterMethodName" : "setVolumes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
  "variableName" : "volumes",
  "variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
  "documentation" : "",
  "simpleType" : "List<ImportInstanceVolumeDetailItem>",
  "variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volumes.</p>
NOTE: This method appends the values to the existing list (if any). Use { @link #setVolumes(java.util.Collection)} or { @link #withVolumes(java.util.Collection)} if you want to override the existing values.</p>
@param volumes One or more volumes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
  "variableName" : "volumes",
  "variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
  "documentation" : "<p>One or more volumes.</p>
"simpleType" : "List<ImportInstanceVolumeDetailItem>",
  "variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceId",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlnsNameSpaceUri": null,
},
"c2jName": "Platform",
"c2jShape": "PlatformValues",
"deprecated": false,
"documentation": "<p>The instance operating system.</p>",
"enumType": "PlatformValues",
"fluentSetterDocumentation": "/**<p>The instance operating system.</p>
@param platform The instance operating system.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPlatform",
"getterDocumentation": "/**<p>The instance operating system.</p>
@return The instance operating system.*/
@see PlatformValues*/",
"getterMethodName": "getPlatform",
"getterModel": {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "platform",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "platform",
"variableType" : "String",
"documentation" : "\n\n@see PlatformValues*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"varargSetterDocumentation" : "/**\n * A description of the task.
 */\n @param description A description of
the task\n @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description of the task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
"Description" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : " /**\n * A description of the task.
 */\n @param description A description of
the task\n @return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : " /**\n * A description of the task.
 */\n @return A description of the task.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
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"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the task.</p>
@param description A description of the task.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the task.</p>
@param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location": null,
"marshallLocationName": "InstanceId",
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"statusCode": false,
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</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The ID of the instance.</p>",
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  "variableSetterType": "String"
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  "c2jShape": "PlatformValues",
  "deprecated": false,
  "documentation": "<p>The instance operating system.
</p>
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@see PlatformValues*/",
  "fluentSetterDocumentation": "/**
<p>The instance operating system.
</p>
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
  "fluentSetterMethodName": "withPlatform",
  "getterDocumentation": "/**
<p>The instance operating system.
</p>
@return The instance operating system.
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    "documentation": null
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    "isStreaming": false,
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    "statusCode": false,
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    "documentation": "",
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    "variableSetterType": "String"
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"simple": true,
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@return Returns a reference to this object so that method calls can be chained together.
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    "documentation": "<p>The instance operating system.</p>",
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    "variableSetterType": "String"
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"getterModel" : {
"returnType" : "ImportInstanceVolumeDetailItem",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**
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"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "ImportInstanceVolumeDetailItem",
"documentation" : "",
"simpleType" : "ImportInstanceVolumeDetailItem",
"variableSetterType" : "ImportInstanceVolumeDetailItem"
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"simple" : false,
"varargSetterDocumentation" : "/**
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"variableName" : "member",
"variableType" : "ImportInstanceVolumeDetailItem",
"documentation" : "",
"simpleType" : "ImportInstanceVolumeDetailItem",
"variableSetterType" : "ImportInstanceVolumeDetailItem"
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"memberLocationName" : "item",
"memberType" : "ImportInstanceVolumeDetailItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImportInstanceVolumeDetailItem",
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"templateType" : "java.util.List<ImportInstanceVolumeDetailItem>"
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"map" : false,
"mapModel" : null,
"name" : "Volumes",
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@param volumes One or more volumes.*"/
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"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
  "variableName" : "volumes",
  "variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
  "documentation" : "",
  "simpleType" : "List<ImportInstanceVolumeDetailItem>",
  "variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more volumes.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setVolumes(java.util.Collection)) or @link #withVolumes(java.util.Collection)) if you want to override the existing values.</p><p>@param volumes One or more volumes.</p><p>@return Returns a reference to this object so that method calls can be chained together.*"/",
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  "variableName" : "volumes",
  "variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
  "documentation" : "<p>One or more volumes.</p>
  "simpleType" : "List<ImportInstanceVolumeDetailItem>",
  "variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>"
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"xmlnsNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
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"unmarshaller" : {
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "ImportInstanceTaskDetails",
"variableName" : "importInstanceTaskDetails",
"variableType" : "ImportInstanceTaskDetails",
"documentation" : null,
"simpleType" : "ImportInstanceTaskDetails",
"variableSetterType" : "ImportInstanceTaskDetails"
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"wrapper" : false
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"ImportInstanceVolumeDetailItem" : {
"c2jName" : "ImportInstanceVolumeDetailItem",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Describes an import volume task.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "BytesConverted",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The number of bytes converted so far.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of bytes converted so far.\n@returns The number of bytes converted so far.\n@returns The number of bytes converted so far.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withBytesConverted",
"getterDocumentation" : "/**<p>The number of bytes converted so far.</p>\n@returns The number of bytes converted so far.\n@returns The number of bytes converted so far.\n@return The number of bytes converted so far.*\n*/",
"getterMethodName" : "getBytesConverted",
"getterModel" : {
"returnType" : "Long",
"documentation" : null
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"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BytesConverted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bytesConverted",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BytesConverted",
"setterDocumentation" : "/**\n@param bytesConverted The number of bytes converted so far.*/",
"setterMethodName" : "setBytesConverted",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "bytesConverted",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param bytesConverted The number of bytes converted so far.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The number of bytes converted so far.\nreturns a reference to this object so that method calls can be chained together.
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"variableSetterType" : "Long"
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"xmlNameSpaceUri" : null
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"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone where the resulting instance will reside.</p>".
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
@param availabilityZone The Availability Zone where the resulting instance will reside.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
@return The Availability Zone where the resulting instance will reside.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
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"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : 
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/";
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"c2jShape" : "DiskImageDescription",
"deprecated" : false,
"documentation" : "<p>The image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImage",
"getterDocumentation" : "/**<p>The image.</p>
@return The image.*/",
"getterMethodName" : "getImage",
"getterModel" : {
    "returnType" : "DiskImageDescription",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "location" : null,
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    "statusCodes" : false,
    "unmarshallLocationName" : "image",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImage",
"setterModel" : {

"variableDeclarationType" : "DiskImageDescription",
"variableName" : "image",
"variableType" : "DiskImageDescription",
"documentation" : "",
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"variableSetterType" : "DiskImageDescription"
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"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "DiskImageDescription",
"documentation" : "<p>The image.</p>",
"simpleType" : "DiskImageDescription",
"variableSetterType" : "DiskImageDescription"
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"xmlNameSpaceUri" : null
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@param volume The volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**\n<p>The volume.</p>
@param volume The volume.
@return The volume.*\n"",
"fluentSetterMethodName" : "withVolume",
"getterDocumentation" : "/**\n<p>The volume.</p>
@return The volume.*\n",
"getterMethodName" : "getVolume",
"getterModel" : {
"returnType" : "DiskImageVolumeDescription",
"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
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"isStreaming" : false,
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"listModel" : null,
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"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n<p>The status of the import of this particular disk image.</p>\n@param status The status of the import of this particular disk image.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The status of the import of this particular disk image.</p>
@param status The status of the import of this particular disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The status of the import of this particular disk image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The status information or errors related to the disk image.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**
\n@param statusMessage The status information or errors related to the disk image.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStatusMessage",
"getterDocumentation": "/**
\n@param statusMessage The status information or errors related to the disk image.
\n@return The status information or errors related to the disk image.*/",
"getterMethodName": "getStatusMessage",
"getterModel": {
"returnType": "String",
"documentation": null
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"isPayload": false,
"isStreaming": false,
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"statusCode": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StatusMessage",
"setterDocumentation": "/**
\n@param statusMessage The status information or errors related to the disk image.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setStatusMessage",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "statusMessage",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
\n@param statusMessage The status information or errors related to the disk image.
\n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A description of the task.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A description of the task.</p>
@param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/**<p>A description of the task.</p>
@return A description of the task.*/",
"getterMethodName": "getDescription",
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**<p>A description of the task.</p>
@param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the task.</p>
@<param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the task.</p>
@<param availabilityZone The Availability Zone where the resulting instance will reside.<p>
@return The Availability Zone where the resulting instance will reside.</p>
<br>

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
@return The Availability Zone where the resulting instance will reside.</p>
<br>

"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>A description of the task.</p>
@<param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/
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    "variableType" : "String",
    "documentation" : "<p>A description of the task.</p>
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    @return The Availability Zone where the resulting instance will reside.<p>
    "fluentSetterMethodName" : "withAvailabilityZone",
    "getterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
    @<param availabilityZone The Availability Zone where the resulting instance will reside.<p>
    @return The Availability Zone where the resulting instance will reside.</p>
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    "getterModel" : {
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      "greedy" : false,
      "header" : false,
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"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false,
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
@param availabilityZone The Availability Zone where the resulting instance will reside.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone where the resulting instance will reside.</p>
@param availabilityZone The Availability Zone where the resulting instance will reside.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone where the resulting instance will reside.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"BytesConverted" : {
  "c2jName" : "BytesConverted",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The number of bytes converted so far.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@param bytesConverted The number of bytes converted so far.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withBytesConverted",
  "getterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@return The number of bytes
"}
converted so far.*/",
    "getterMethodName" : "getBytesConverted",
    "getterModel" : {
      "returnType" : "Long",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "BytesConverted",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "bytesConverted",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "BytesConverted",
    "setterDocumentation" : "/**\n<p>The number of bytes converted so far.</p>\n@param bytesConverted The number of bytes converted so far.</p>\n@return Returns a reference to this object so that method calls can be
chained together.**/",
    "setterMethodName" : "setBytesConverted",
    "setterModel" : {
      "variableDeclarationType" : "Long",
      "variableName" : "bytesConverted",
      "variableType" : "Long",
      "documentation" : "",
      "simpleType" : "Long",
      "variableSetterType" : "Long"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n<p>The number of bytes converted so far.</p>\n@return Returns a reference to this object so that method calls can be
chained together.**/",
    "variable" : {
      "variableDeclarationType" : "Long",
      "variableName" : "bytesConverted",
      "variableType" : "Long",
      "documentation" : "<p>The number of bytes converted so far.</p>",
      "simpleType" : "Long",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the task.<p/>
@param description A description of the task.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description of the task."",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Image" : {
"c2jName" : "Image",
"c2jShape" : "DiskImageDescription",
"deprecated" : false,
"documentation" : "<p>The image.</p>
@param image The image.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The image.<p/>
@param image The image.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The image.<p/>
@return The image.*/",
"getterMethodName" : "getImage",
"getterModel" : {
"returnType" : "DiskImageDescription",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Image",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "image",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>The image.</p>
@param image The image.*/",
"setterMethodName" : "setImage",
"setterModel" : {
  "variableDeclarationType" : "DiskImageDescription",
  "variableName" : "image",
  "variableType" : "DiskImageDescription",
  "documentation" : "",
  "simpleType" : "DiskImageDescription",
  "variableSetterType" : "DiskImageDescription"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DiskImageDescription",
  "variableName" : "image",
  "variableType" : "DiskImageDescription",
  "documentation" : "The image.",
  "simpleType" : "DiskImageDescription",
  "variableSetterType" : "DiskImageDescription"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The status of the import of this particular disk image.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The status of the import of this particular disk image.</p>
@param status The status of the import of this particular disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**<p>The status of the import of this particular disk image.</p>
@return The status of the import of this particular disk image.*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n*pThe status of the import of this particular disk image.\n@\n\n@param status
The status of the import of this particular disk image.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe status of the import of this particular disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "The status of the import of this particular disk image.\n\n@param status The status of the import of this particular disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The status information or errors related to the disk image.\n\n@param status The status of the import of this particular disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
The status information or errors related to the disk image.

@returns

Returns a reference to this object so that method calls can be chained together.

### withStatusMessage

The status information or errors related to the disk image.

@returns

The status information or errors related to the disk image.

### setStatusMessage

The status information or errors related to the disk image.

@returns

A reference to this object so that method calls can be chained together.

### setStatusMessage

The status information or errors related to the disk image.

@returns

A reference to this object so that method calls can be chained together.

### withStatusMessage

The status information or errors related to the disk image.

@returns

The status information or errors related to the disk image.

### setStatusMessage

The status information or errors related to the disk image.

@returns

A reference to this object so that method calls can be chained together.

### withStatusMessage

The status information or errors related to the disk image.

@returns

The status information or errors related to the disk image.

### setStatusMessage

The status information or errors related to the disk image.

@returns

A reference to this object so that method calls can be chained together.

### withStatusMessage

The status information or errors related to the disk image.

@returns

The status information or errors related to the disk image.

### setStatusMessage

The status information or errors related to the disk image.

@returns

A reference to this object so that method calls can be chained together.

### withStatusMessage

The status information or errors related to the disk image.

@returns

The status information or errors related to the disk image.

### setStatusMessage

The status information or errors related to the disk image.

@returns

A reference to this object so that method calls can be chained together.

### withStatusMessage

The status information or errors related to the disk image.

@returns

The status information or errors related to the disk image.

### setStatusMessage

The status information or errors related to the disk image.

@returns

A reference to this object so that method calls can be chained together.
"variableDeclarationType" : "String",
"variableName" : "statusMessage",
"variableType" : "String",
"documentation" : "<p>The status information or errors related to the disk image.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Volume" : {
"c2jName" : "Volume",
"c2jShape" : "DiskImageVolumeDescription",
"deprecated" : false,
"documentation" : "<p>The volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The volume.</p>\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolume",
"getterDocumentation" : "/** <p>The volume.</p>\n\n@return The volume.*/",
"getterMethodName" : "getVolume",
"getterModel" : {
"returnType" : "DiskImageVolumeDescription",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Volume",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volume",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Volume",
"setterDocumentation" : "/** <p>The volume.</p>\n\n@return The volume.*/",
"setterMethodName" : "setVolume",
"setterModel" : {
"variableDeclarationType" : "DiskImageVolumeDescription",
"variableName" : "volume",
"variableType" : "DiskImageVolumeDescription",
"documentation" : "",
"simpleType" : "DiskImageVolumeDescription",
"variableSetterType" : "DiskImageVolumeDescription"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n*pThe volume.\n@param volume The volume.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "DiskImageVolumeDescription",
"variableName" : "volume",
"variableType" : "DiskImageVolumeDescription",
"documentation" : "<p>The volume.</p>
@param volume The volume.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "ImportInstanceVolumeDetailItem",
"variableName" : "importInstanceVolumeDetailItem",
"variableType" : "ImportInstanceVolumeDetailItem",
"documentation" : null,
"simpleType" : "ImportInstanceVolumeDetailItem",
"variableSetterType" : "ImportInstanceVolumeDetailItem"
},
"wrapper" : false
},
"ImportKeyPairRequest" : {
"c2jName" : "ImportKeyPairRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation": "<p>Contains the parameters for ImportKeyPair.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "ImportKeyPair",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "KeyName",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>A unique name for the key pair.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>A unique name for the key pair.</p>
    *\n    @param keyName A unique name for the key pair.\n    *\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withKeyName",
    "getterDocumentation": "/**<p>A unique name for the key pair.</p>
    *\n    @return A unique name for the key pair.*/",
    "getterMethodName": "getKeyName",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "KeyName",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "keyName",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicKeyMaterial",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PublicKeyMaterial",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicKeyMaterial",
"setterDocumentation" : "/**
<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>
@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPublicKeyMaterial",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "publicKeyMaterial",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>
@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "publicKeyMaterial",
"variableType" : "String",
"documentation" : "The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
"simpleType" : "String",
"variableSetterType" : "String"
}.
"xmlNameSpaceUri" : null}
"membersAsMap": {"KeyName": {"c2jName": "KeyName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A unique name for the key pair.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A unique name for the key pair.</p>
@returns Returns a reference to this object so that method calls can be chained together.</returns>",
"fluentSetterMethodName": "withKeyName",
"getterDocumentation": "/**<p>A unique name for the key pair.</p>
@return A unique name for the key pair.
*/",
"getterMethodName": "getKeyName",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "KeyName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "keyName",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "KeyName",
"setterDocumentation": "/**<p>A unique name for the key pair.</p>
@param keyName A unique name for the key pair.
*/",
"setterMethodName": "setKeyName",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "keyName",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"}
"simple": true,
"varargSetterDocumentation": "/**\n@param keyName A unique name for the key pair.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "keyName",
  "variableType": "String",
  "documentation": "<p>A unique name for the key pair.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"PublicKeyMaterial": {
  "c2jName": "PublicKeyMaterial",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.\n"",
  "enumType": null,
  "fluentSetterDocumentation": "/**\nThe public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.\n@return The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.\n"",
  "fluentSetterMethodName": "withPublicKeyMaterial",
  "getterDocumentation": "/**\nThe public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.\n@return The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.\n"",
  "getterMethodName": "getPublicKeyMaterial",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PublicKeyMaterial",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "publicKeyMaterial",
    "uri": false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicKeyMaterial",
"setterDocumentation": "/**
 * The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
 */
@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName": "setPublicKeyMaterial",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicKeyMaterial",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
 */
@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "publicKeyMaterial",
  "variableType": "String",
  "documentation": "The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["KeyName", "PublicKeyMaterial"],
"shapeName": "ImportKeyPairRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "ImportKeyPairRequest",
  "variableName": "importKeyPairRequest",
  "variableType": "ImportKeyPairRequest",
  "documentation": null,
  "simpleType": "ImportKeyPairRequest",
  "variableSetterType": "ImportKeyPairRequest"
}
"ImportKeyPairResult" : {
"c2jName" : "ImportKeyPairResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of ImportKeyPair.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The key pair name you provided.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The key pair name you provided.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The key pair name you provided.</p>
@returns The key pair name you provided.*/",
"getterMethodName" : "getKeyPairName",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KeyName",
  "queryString" : false,
  "statusCode" : false,
  "wrapper" : false
}
"unmarshallLocationName" : "keyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The key pair name you provided.</p>
@param keyName The key pair name you provided.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The key pair name you provided.</p>
@param keyName The key pair name you provided.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The key pair name you provided.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KeyFingerprint",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>
@param keyFingerprint The MD5 public key fingerprint as specified in section 4 of RFC 4716.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyFingerprint",
"getterDocumentation" : "/**<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>
@return The MD5 public key fingerprint as specified in section 4 of RFC 4716.*/",
"getterMethodName" : "getKeyFingerprint",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
"KeyFingerprint": {
    "c2jName": "KeyFingerprint",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>
@<param keyFingerprint The MD5 public key fingerprint as specified in section 4 of RFC 4716.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withKeyFingerprint",
    "getterDocumentation": "/**<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>
@return The MD5 public key fingerprint as specified in section 4 of RFC 4716.*/",
    "getterMethodName": "getKeyFingerprint",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
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        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
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        "statusCode": false,
        "unmarshallLocationName": "keyFingerprint",
        "uri": false
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    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "KeyFingerprint",
    "setterDocumentation": "/**<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>
@<param keyFingerprint The MD5 public key fingerprint as specified in section 4 of RFC 4716.
@return Returns a reference to this object so that method calls can be chained together.*/",
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        "documentation": "",
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        "variableSetterType": "String"
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@param keyFingerprint The MD5 public key fingerprint as specified in section 4 of RFC 4716.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param keyFingerprint The MD5 public key fingerprint as specified in section 4 of RFC 4716.
@return Returns a reference to this object so that method calls can be chained together.
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@param keyName The key pair name you provided.
@return Returns a reference to this object so that method calls can be chained together.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The key pair name you provided.</p>
@param keyName The key pair name you provided.
@return Returns a reference to this object so that method calls can be chained together.
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"getterDocumentation" : "/**<p>The key pair name you provided.</p>
@return The key pair name you provided.
"getterMethodName" : "getKeyPairName",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "keyPairName",
"uri" : false
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"list" : false,
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"map" : false,
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"name" : "KeyName",
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    "variableName" : "keyName",
    "variableType" : "String",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/** <p>The key pair name you provided.</p>@param keyName The key pair name you provided. <br>@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableType" : "ImportKeyPairResult",
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    "variableSetterType" : "ImportKeyPairResult"
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"skipGeneratingUnmarshaller" : false
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"c2jShape" : "String",
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"enumType" : null,
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@param description The description string for the import snapshot task.
@return Returns a reference to this object so that
method calls can be chained together.*/",
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@return The description string for the import snapshot task.*/",
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"documentation" : null
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@param description
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape": "SnapshotDiskContainer",
"deprecated": false,
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"enumType": null,
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@param diskContainer Information about the disk container.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType": "SnapshotDiskContainer",
"variableSetterType": "SnapshotDiskContainer"
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"c2jShape": "ClientData",
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"enumType": null,
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@param clientData The client-specific data.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The client-specific data.*/",
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"mapModel": null,
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@param clientData The client-specific data.
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"variableType": "ClientData",
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"simple" : false,
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@param clientData The client-specific
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param clientToken Token to enable idempotency for VM import requests.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Token to enable idempotency for VM import requests.*/",
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"uri" : false
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"isStreaming" : false,
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"uri" : false
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@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.</p>
@param roleName The name of the role to use when not using the default role, 'vmimport'.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The name of the role to use when not using the default role, 'vmimport'.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}]}
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    "c2jShape" : "ClientData",
    "deprecated" : false,
The client-specific data.

```
/**
 * The client-specific data.
 *
 * @param clientData The client-specific data.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public ClientData withClientData(ClientData clientData)
```

```
/**
 * The client-specific data.
 *
 * @return The client-specific data.
 */

public ClientData getClientData()
```

```
/**
 * The client-specific data.
 *
 * @param clientData The client-specific data.
 */

public void setClientData(ClientData clientData)
```

```
/**
 * The client-specific data.
 *
 * @param clientData The client-specific data.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public ClientData varargWithClientData(ClientData... clientData)
```
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"variableType": "ClientData",
"documentation": "<p>The client-specific data.</p>",
"simpleType": "ClientData",
"variableSetterType": "ClientData"
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"enumType": null,
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 * Token to enable idempotency for VM import requests.
 */\n@param clientToken Token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**
 * Token to enable idempotency for VM import requests.
 */\n@return Token to enable idempotency for VM import requests.
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"documentation": null
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"queryString": false,
"statusCode": false,
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"uri": false
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 * Token to enable idempotency for VM import requests.
 */\n@param clientToken Token to enable idempotency for VM import requests.*/"
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@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
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  "documentation" : 
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  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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:return The description string for the import snapshot task.*/",
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  "getterModel" : {
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    "documentation" : null
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    "isStreaming" : false,
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    "isType" : false,
    "operationName" :
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"unmarshallLocationName" : "Description",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "Description",
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@param description
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"simpleType" : "String",
"variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>The description string for the import snapshot task.</p>
@param description
The description string for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>The description string for the import snapshot task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceURI" : null
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"DiskContainer" : {
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"c2jShape" : "SnapshotDiskContainer",
"deprecated" : false,
"documentation" : "<p>Information about the disk container.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the disk container.</p>
@param diskContainer
Information about the disk container.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDiskContainer"}
"getterDocumentation" : "/**<p>Information about the disk container.</p>
@return Information about the disk container */",
"getterMethodName" : "getDiskContainer",
"getterModel" : {
    "returnType" : "SnapshotDiskContainer",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DiskContainer",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DiskContainer",
"setterDocumentation" : "/**<p>Information about the disk container.</p>
@param diskContainer Information about the disk container. */",
"setterMethodName" : "setDiskContainer",
"setterModel" : {
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    "documentation" : "",
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    "variableSetterType" : "SnapshotDiskContainer"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the disk container.</p>
@param diskContainer Information about the disk container.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableName" : "diskContainer",
    "variableType" : "SnapshotDiskContainer",
    "documentation" : "<p>Information about the disk container.</p>"
"simpleType" : "SnapshotDiskContainer",
"variableSetterType" : "SnapshotDiskContainer",
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"c2jShape" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/*\pnThe name of the role to use when not using the default role, 'vmimport'.\p*/\n@\param roleName The name of the role to use when not using the default role, 'vmimport'.\n\r\n@\return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/*\pnThe name of the role to use when not using the default role, 'vmimport'.\n\r\n@\return The name of the role to use when not using the default role, 'vmimport'.*/",
"getterMethodName" : "getRoleName",
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"returnType" : "String",
"documentation" : null,
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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RoleName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RoleName",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"variableSetterType" : "RoleName",
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"varargSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"required" : null,
"shapeName" : "ImportSnapshotRequest",
"unmarshaller" : null,
"variable" : {
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"variableName" : "importSnapshotRequest",
"variableType" : "ImportSnapshotRequest",
"documentation" : null,
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"variableSetterType" : "ImportSnapshotRequest"
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"skipGeneratingUnmarshaller" : false
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"variableSetterType" : "String" },
"simple" : true,
"varargSetterDocumentation" : "/**\p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "documentation" : "\p>The ID of the import snapshot task.
</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param snapshotTaskDetail Information about the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*"",
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@param snapshotTaskDetail Information about the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*"",
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 * @param snapshotTaskDetail
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 * @return Returns a reference to this object so that method calls can be
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    @return Returns a reference to this object so that method calls can be
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  "variableSetterType" : "String"
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    "variableSetterType" : "SnapshotTaskDetail"
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  "variableSetterType" : "ImportSnapshotResult"
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Describes an import snapshot task.

@returns Returns a reference to this object so that method calls can be chained together.

/**
 * A description of the import snapshot task.
 * @param description A description of the import snapshot task.
 * @return A description of the import snapshot task.
 */
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "mapModel" : null,
  "name" : "ImportTaskResponse",
  "setterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A
description of the import snapshot task.<\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "setterMethodName" : "setImportTaskResponse",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskResponse",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A
description of the import snapshot task.<\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskResponse",
    "variableType" : "String",
    "documentation" : "<p>A description of the import snapshot task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"ImportResponse" : {
  "c2jName" : "ImportResponse",
  "c2jShape" : "String",
  "marshallLocationName" : "ImportResponse",
  "cljsName" : "ImportResponse",
  "profile" : "Common",
  "name" : "ImportResponse",
  "description" : "A description of the import snapshot task.",
  "id" : "<p>A description of the import snapshot task.",
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImportResponse",
  "setterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A
description of the import snapshot task.<\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "setterMethodName" : "setImportResponse",
  "setterModel" : {
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    "variableName" : "importResponse",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A
description of the import snapshot task.<\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "importResponse",
    "variableType" : "String",
    "documentation" : "<p>A description of the import snapshot task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}"
"deprecated" : false,
"documentation" : "<p>The ID of the import snapshot task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportTaskId",
"getterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@return The ID of the import snapshot task.*/",
"getterMethodName" : "getImportTaskId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImportTaskId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "importTaskId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.*/",
"setterMethodName" : "setImportTaskId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.*/"}
ID of the import snapshot task.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * Describes an import snapshot task.
 * @param snapshotTaskDetail Describes an import snapshot task.
 * @return Describes an import snapshot task.
 */

getterMethodName = "getSnapshotTaskDetail",
getterModel = {
  returnType = "SnapshotTaskDetail",
  documentation = null
},
http = {
  additionalMarshallingPath = null,
  additionalUnmarshallingPath = null,
  flattened = false,
  greedy = false,
  header = false,
  isPayload = false,
  isStreaming = false,
  location = null,
  marshallLocationName = "SnapshotTaskDetail",
  queryString = false,
  statusCode = false,
  unmarshallLocationName = "snapshotTaskDetail",
  uri = false
},
idempotencyToken = false,
list = false,
listModel = null,
map = false,
Describes an import snapshot task.

**setterDocumentation**

`/**<p>Describes an import snapshot task.<p>
@param snapshotTaskDetail
Describes an import snapshot task.*/`,

**setterMethodName**

`setSnapshotTaskDetail`

**setterModel**

`
{  
  "variableDeclarationType" : "SnapshotTaskDetail",  
  "variableName" : "snapshotTaskDetail",  
  "variableType" : "SnapshotTaskDetail",  
  "documentation" : "",  
  "simpleType" : "SnapshotTaskDetail",  
  "variableSetterType" : "SnapshotTaskDetail"  
}

`simple" : false,

**varargSetterDocumentation**

`/**<p>Describes an import snapshot task.<p>
@param snapshotTaskDetail
Describes an import snapshot task.<p>
@return Returns a reference to this object so that method calls can be chained together.*/`,

**variable**

`
{  
  "variableDeclarationType" : "SnapshotTaskDetail",  
  "variableName" : "snapshotTaskDetail",  
  "variableType" : "SnapshotTaskDetail",  
  "documentation" : "",  
  "simpleType" : "SnapshotTaskDetail",  
  "variableSetterType" : "SnapshotTaskDetail"  
}

`xmlNameSpaceUri" : null
}
`,

**requestSignerAware**

`false`

**requestSignerClassFqcn**

`null`

**required**

`null`

**shapeName**

"ImportSnapshotTask",

**unmarshaller**

`
{  
  "flattened" : false,  
  "resultWrapper" : null
}
`,

**variable**

`
{  
  "variableDeclarationType" : "ImportSnapshotTask",  
  "variableName" : "importSnapshotTask",  
  "variableType" : "ImportSnapshotTask",  
  "documentation" : null,  
  "simpleType" : "ImportSnapshotTask",  
  "variableSetterType" : "ImportSnapshotTask"  
}

`wrapper" : false
`,

"ImportVolumeRequest" : 

`{  
  "c2jName" : "ImportVolumeRequest"  
}`
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportVolume.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
    "action" : "ImportVolume",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [
    {
        "c2jName" : "AvailabilityZone",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The Availability Zone for the resulting EBS volume.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withAvailabilityZone",
        "getterDocumentation" : "/**<p>The Availability Zone for the resulting EBS volume.</p>
@return The Availability Zone for the resulting EBS volume.*/",
        "getterMethodName" : "getAvailabilityZone",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "locationName" : null,
            "requestUri" : "/",
            "target" : null,
            "verb" : "GET",
            "xmlNameSpaceUri" : null
        }
    }
}
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.*="/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
 "variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
 "variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>The Availability Zone for the resulting EBS volume.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Image",
"c2jShape" : "DiskImageDetail",
"deprecated" : false,
"documentation" : "<p>The disk image.</p>
@param image The disk image.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"fluentSetterDocumentation" : "/**<p>The disk image.</p>
@param image The disk image.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"fluentSetterMethodName" : "withImage",
"getterDocumentation" : "/**<p>The disk image.</p>
@param image The disk image.
@return The disk image.*="/",
"getterMethodName" : "getImage",
"getterModel" : {
}
"returnType" : "DiskImageDetail",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Image",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "image",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**\n@param image The disk image.*/",
"setterMethodName" : "setImage",
"setterModel" : {
"variableDeclarationType" : "DiskImageDetail",
"variableName" : "image",
"variableType" : "DiskImageDetail",
"documentation" : "",
"simpleType" : "DiskImageDetail",
"variableSetterType" : "DiskImageDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param image The disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "DiskImageDetail",
"variableName" : "image",
"variableType" : "DiskImageDetail",
"documentation" : "<p>The disk image.</p>",
"simpleType" : "DiskImageDetail",
"variableSetterType" : "DiskImageDetail"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the volume.</p>
@returns A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the volume.</p>
@return A description of the volume.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
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  "unmarshallLocationName" : "description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the volume.</p>
@param description A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the volume.</p>
@param description A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Volume",
"c2jShape" : "VolumeDetail",
"deprecated" : false,
"documentation" : "<p>The volume size.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The volume size.</p>
@param volume The volume size.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolume",
"getterDocumentation" : "/**<p>The volume size.</p>
@return The volume size.*/",
"getterMethodName" : "getVolume",
"getterModel" : {
  "returnType" : "VolumeDetail",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Volume",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volume",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Volume",
"setterDocumentation" : "/**<p>The volume size.</p>
@param volume The volume size.
*/",
"setterMethodName" : "setVolume",
"setterModel" : {
  "returnType" : "VolumeDetail",
  "documentation" : null
}
"variableDeclarationType": "VolumeDetail",
"variableName": "volume",
"variableType": "VolumeDetail",
"documentation": "",
"simpleType": "VolumeDetail",
"variableSetterType": "VolumeDetail"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The volume size.</p>
@param volume The volume size.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
"variableDeclarationType": "VolumeDetail",
"variableName": "volume",
"variableType": "VolumeDetail",
"documentation": "The volume size.",
"simpleType": "VolumeDetail",
"variableSetterType": "VolumeDetail"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"AvailabilityZone": {
"c2jName": "AvailabilityZone",
"c2jShape": "String",
"deprecated": false,
"documentation": "The Availability Zone for the resulting EBS volume.",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAvailabilityZone",
"getterDocumentation": "/**\n<p>The Availability Zone for the resulting EBS volume.</p>
@return The Availability Zone for the resulting EBS volume.
*/",
"getterMethodName": "getAvailabilityZone",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AvailabilityZone",
"xmlNameSpaceUri": null
},
"validationId": "AvailabilityZone"},
"xmlNameSpaceUri": null
]};
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>The Availability Zone for the resulting EBS volume.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the volume.</p>
@return A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the volume.</p>
@return A description of the volume.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Description",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "description",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the volume.</p>
@param description A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the volume.</p>
@param description A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : "<p>A description of the volume.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

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"Image" : {
  "c2jName" : "Image",
  "c2jShape" : "DiskImageDetail",
  "deprecated" : false,
  "documentation" : "<p>The disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The disk image.</p>
@n@param image The disk image.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImage",
  "getterDocumentation" : "/**<p>The disk image.</p>
@return The disk image.*/",
  "getterMethodName" : "getImage",
  "getterModel" : {
    "returnType" : "DiskImageDetail",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Image",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "image",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Image",
  "setterDocumentation" : "/**<p>The disk image.</p>
@n@param image The disk image.
@return
Sets the disk image.

\<code>withImage</code>\."",
  "setterMethodName" : "setImage",
  "setterModel" : {
    "variableDeclarationType" : "DiskImageDetail",
    "variableName" : "image",
    "variableType" : "DiskImageDetail",
    "documentation" : "",
    "simpleType" : "DiskImageDetail",
    "variableSetterType" : "DiskImageDetail"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The disk image.</p>
@n@param image The disk image.
@return
Sets the disk image.

\<code>withImage</code>\.""}
Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
    "variableDeclarationType" : "DiskImageDetail",
    "variableName" : "image",
    "variableType" : "DiskImageDetail",
    "documentation" : "<p>The disk image.</p>",
    "simpleType" : "DiskImageDetail",
    "variableSetterType" : "DiskImageDetail"
},
"xmlNameSpaceUri" : null
},
"Volume" : {
    "c2jName" : "Volume",
    "c2jShape" : "VolumeDetail",
    "deprecated" : false,
    "documentation" : "<p>The volume size.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The volume size.</p>
@param volume The volume size.
@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolume",
    "getterDocumentation" : "/**<p>The volume size.</p>
@return The volume size.
@returns
```
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Volume",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volume",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Volume",
"setterDocumentation" : "/**<p>The volume size.</p>
@param volume The volume size.
@returns
```
"}
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"setterModel" : {
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    "variableType" : "VolumeDetail",
    "documentation" : "",
    "simpleType" : "VolumeDetail",
    "variableSetterType" : "VolumeDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/** The volume size.
@param volume The volume size.
@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableType" : "VolumeDetail",
    "documentation" : "The volume size.
    "simpleType" : "VolumeDetail",
    "variableSetterType" : "VolumeDetail"
},
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},
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"requestSignerClassFqcn" : null,
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"shapeName" : "ImportVolumeRequest",
"unmarshaller" : null,
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    "variableName" : "importVolumeRequest",
    "variableType" : "ImportVolumeRequest",
    "documentation" : null,
    "simpleType" : "ImportVolumeRequest",
    "variableSetterType" : "ImportVolumeRequest"
},
"wrapper" : false
},
"ImportVolumeResult" : {
    "c2jName" : "ImportVolumeResult",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output for ImportVolume.</p>"
Information about the conversion task.

Information about the conversion task.

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Information about the conversion task.
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  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
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"simple" : false,
"varargSetterDocumentation" : "/** <p>Information about the conversion task.</p>
@param conversionTask
Information about the conversion task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>Information about the conversion task.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"membersAsMap" : {
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    "c2jShape" : "ConversionTask",
    "deprecated" : false,
    "documentation" : "<p>Information about the conversion task.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>Information about the conversion task.</p>
    @param conversionTask
    Information about the conversion task.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withConversionTask",
    "getterDocumentation" : "/** <p>Information about the conversion task.</p>
    @return Information about the conversion task.
    */",
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      "documentation" : null
    },
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      "greedy" : false,
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      "isPayload" : false,
      "isStreaming" : false,
      "isSimple" : false,
      "isWrapper" : false,
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      "additionalPropertyToMapValue" : null,
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      "additionalPropertyToMapValueEquivalent" : null,
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      "additionalPropertyToMapKeyEquivalent" : null,
      "additionalPropertyToMapValueEquivalent" : null,
      "additionalPropertyToMapKeyEquivalent" : null,
      "additionalPropertyToMapValueEquiva...
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTask",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTask",
"setterDocumentation" : "/**
\* Information about the conversion task.
\* @param conversionTask
\*/",
"setterMethodName" : "setConversionTask",
"setterModel" : {
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  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**
\* Information about the conversion task.
\* @param conversionTask
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"variable" : {
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  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "<p>Information about the conversion task.</p>",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ImportVolumeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {


"variableDeclarationType" : "ImportVolumeResult",
"variableName" : "importVolumeResult",
"variableType" : "ImportVolumeResult",
"documentation" : null,
"simpleType" : "ImportVolumeResult",
"variableSetterType" : "ImportVolumeResult"
},
"wrapper" : false
},
"ImportVolumeTaskDetails" : {
"c2jName" : "ImportVolumeTaskDetails",
"customization" : {
 "artificialResultWrapper" : null,
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 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an import volume task.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
 
 "c2jName" : "BytesConverted",
 "c2jShape" : "Long",
 "deprecated" : false,
 "documentation" : "<p>The number of bytes converted so far.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>The number of bytes converted so far.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withBytesConverted",
 "getterDocumentation" : "/**<p>The number of bytes converted so far.</p>\n@return The number of bytes converted so far.*/",
 "getterMethodName" : "getBytesConverted",
 "getterModel" : {
 "returnType" : "Long",
 "documentation" : null
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 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
}
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "BytesConverted",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "bytesConverted",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "BytesConverted",
"setterDocumentation": "/**<p>The number of bytes converted so far.</p>
@param bytesConverted The number of bytes converted so far. */",
"setterMethodName": "setBytesConverted",
"setterModel": {
  "variableDeclarationType": "Long",
  "variableName": "bytesConverted",
  "variableType": "Long",
  "documentation": "",
  "simpleType": "Long",
  "variableSetterType": "Long"
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"simple": true,
"varargSetterDocumentation": "/**<p>The number of bytes converted so far.</p>
@param bytesConverted The number of bytes converted so far.*/
@returns Returns a reference to this object so that method calls can be chained together. */",
"variable": {
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  "variableName": "bytesConverted",
  "variableType": "Long",
  "documentation": "<p>The number of bytes converted so far.</p>",
  "simpleType": "Long",
  "variableSetterType": "Long"
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"xmlNameSpaceUri": null,
"c2jName": "AvailabilityZone",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Availability Zone where the resulting volume will reside.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Availability Zone where the resulting volume will reside.</p>
@param availabilityZone The Availability Zone where the resulting volume will reside. */
@returns Returns a reference to this object so that method calls can be chained together. */"
Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**\n\n\nThe Availability Zone where the resulting volume will reside.</p><n@return

The Availability Zone where the resulting volume will reside.*"/

"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone where the resulting volume will reside.</p>

@\n\n@\n
availabilityZone The Availability Zone where the resulting volume will reside.*"/

"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**\n\n\nThe Availability Zone where the resulting volume will reside.</p><n@\n\n@\n
AvailabilityZone The Availability Zone where the resulting volume will reside.*/",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",

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"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**\n<p>The description you provided when starting the import volume task.</p>
@param description The description you provided when starting the import volume task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>The description you provided when starting the import volume task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Image",
"c2jShape" : "DiskImageDescription",
"deprecated" : false,
"documentation" : "<p>The image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImage",
"getterDocumentation" : "/**\n<p>The image.</p>
@return The image.</p>",
"getterMethodName" : "getImage",
"getterModel" : {
"returnType" : "DiskImageDescription",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Image",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "image"}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>The image.</p>
@param image The image.*/",
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"setterModel" : {
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  "variableName" : "image",
  "variableType" : "DiskImageDescription",
  "documentation" : "",
  "simpleType" : "DiskImageDescription",
  "variableSetterType" : "DiskImageDescription"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "DiskImageDescription",
  "documentation" : "<p>The image.</p>
  "simpleType" : "DiskImageDescription",
  "variableSetterType" : "DiskImageDescription"
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  "c2jName" : "Volume",
  "c2jShape" : "DiskImageVolumeDescription",
  "deprecated" : false,
  "documentation" : "<p>The volume.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The volume.</p>
  @param volume The volume.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolume",
  "getterDocumentation" : "/**<p>The volume.</p>
  @return The volume.*/",
  "getterMethodName" : "getVolume",
  "getterModel" : {
    "returnType" : "DiskImageVolumeDescription",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
  },
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "volume",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Volume",
"setterDocumentation": "/**<p>The volume.</p>
@param volume The volume.*/",
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  "variableName": "volume",
  "variableType": "DiskImageVolumeDescription",
  "documentation": "",
  "simpleType": "DiskImageVolumeDescription",
  "variableSetterType": "DiskImageVolumeDescription"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The volume.</p>
@param volume The volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "DiskImageVolumeDescription",
  "documentation": "<p>The volume.</p>",
  "simpleType": "DiskImageVolumeDescription",
  "variableSetterType": "DiskImageVolumeDescription"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
  "AvailabilityZone": {
    "c2jName": "AvailabilityZone",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The Availability Zone where the resulting volume will reside.</p>",
    "enumType": "null",
  }
}
"fluentSetterDocumentation" : "/**<p>The Availability Zone where the resulting volume will reside.</p>
@param availabilityZone The Availability Zone where the resulting volume will reside.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone where the resulting volume will reside.</p>
@return The Availability Zone where the resulting volume will reside.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "AvailabilityZone",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "availabilityZone",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone where the resulting volume will reside.</p>
@param availabilityZone The Availability Zone where the resulting volume will reside.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
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 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone where the resulting volume will reside.</p>
@param availabilityZone The Availability Zone where the resulting volume will reside.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>The Availability Zone where the resulting volume will reside.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"BytesConverted" : {
"c2jName" : "BytesConverted",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The number of bytes converted so far.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@param bytesConverted The number of bytes converted so far.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withBytesConverted",
"getterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@return The number of bytes converted so far.
*/",
"getterMethodName" : "getBytesConverted",
"getterModel" : {
"returnType" : "Long",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BytesConverted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bytesConverted",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BytesConverted",
"setterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@param bytesConverted The number of bytes converted so far.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "withBytesConverted",
"setterModel" : {
"returnType" : "BytesConverted",
"documentation" : null
},
"xmlNameSpaceUri" : null
}
number of bytes converted so far.

setterMethodName" : "setBytesConverted",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "bytesConverted",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@param bytesConverted The number of bytes converted so far.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "bytesConverted",
  "variableType" : "Long",
  "documentation" : "<p>The number of bytes converted so far.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlnsNameSpaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The description you provided when starting the import volume task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The description you provided when starting the import volume task.</p>
@param description The description you provided when starting the import volume task.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The description you provided when starting the import volume task.</p>
@return The description you provided when starting the import volume task.
"getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n@description The description you provided when starting the import volume task.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@description The description you provided when starting the import volume task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "The description you provided when starting the import volume task.\n"}
 "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Image" : {
  "c2jName" : "Image",
  "c2jShape" : "DiskImageDescription",
  "deprecated" : false,
  "documentation" : "The image.\n"}
 "enumType" : null,
"fluentSetterDocumentation" : "/*\n@param image The image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImage",
"image" : {
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Image",
  "setterDocumentation" : "/**\n@description The image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setImage",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "image",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/*\n@description The image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "image",
    "variableType" : "String",
    "documentation" : "The image.\n"}
  "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"getterDocumentation": "<p>The image.</p>
@return The image.*",
"getterMethodName": "getImage",
"getterModel": {
  "returnType": "DiskImageDescription",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Image",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "image",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Image",
"setterDocumentation": "<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*",
"setterMethodName": "setImage",
"setterModel": {
  "variableDeclarationType": "DiskImageDescription",
  "variableName": "image",
  "variableType": "DiskImageDescription",
  "documentation": "",
  "simpleType": "DiskImageDescription",
  "variableSetterType": "DiskImageDescription"
},
"simple": false,
"varargSetterDocumentation": "<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*",
"variable": {
  "variableDeclarationType": "DiskImageDescription",
  "variableName": "image",
  "variableType": "DiskImageDescription",
  "documentation": "<p>The image.</p>",
  "simpleType": "DiskImageDescription",
  "variableSetterType": "DiskImageDescription"
}
"xmlNameSpaceUri" : null
},
"Volume" : {
  "c2jName" : "Volume",
  "c2jShape" : "DiskImageVolumeDescription",
  "deprecated" : false,
  "documentation" : "<p>The volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The volume.</p>
  @param volume The volume.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolume",
  "getterDocumentation" : "/**<p>The volume.</p>
  @return The volume.*/",
  "getterMethodName" : "getVolume",
  "getterModel" : {
    "returnType" : "DiskImageVolumeDescription",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Volume",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volume",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Volume",
  "setterDocumentation" : "/**<p>The volume.</p>
  @param volume The volume.
  */",
  "setterMethodName" : "setVolume",
  "setterModel" : {
    "variableDeclarationType" : "DiskImageVolumeDescription",
    "variableName" : "volume",
    "variableType" : "DiskImageVolumeDescription",
    "documentation" : "",
    "simpleType" : "DiskImageVolumeDescription",
    "variableSetterType" : "DiskImageVolumeDescription"
  }
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The volume.</p>
@param volume The volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "DiskImageVolumeDescription",
    "variableName" : "volume",
    "variableType" : "DiskImageVolumeDescription",
    "documentation" : "<p>The volume.</p>",
    "simpleType" : "DiskImageVolumeDescription",
    "variableSetterType" : "DiskImageVolumeDescription"
},
"xmlNameSpaceUri" : null,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "BytesConverted", "AvailabilityZone", "Image", "Volume" ],
"shapeName" : "ImportVolumeTaskDetails",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "ImportVolumeTaskDetails",
    "variableName" : "importVolumeTaskDetails",
    "variableType" : "ImportVolumeTaskDetails",
    "documentation" : null,
    "simpleType" : "ImportVolumeTaskDetails",
    "variableSetterType" : "ImportVolumeTaskDetails"
},
"wrapper" : false,
"Instance" : {
    "c2jName" : "Instance",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes an instance.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
"marshaller": null,
"members": [
  {
    "c2jName": "InstanceId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the instance.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName": "withInstanceId",
    "getterDocumentation": "/**<p>The ID of the instance.</p><p>@return The ID of the instance.</p>*/",
    "getterMethodName": "getInstanceId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "InstanceId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "instanceId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "InstanceId",
    "setterDocumentation": "/**<p>The ID of the instance.</p><p>@param instanceId The ID of the instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "setterMethodName": "setInstanceId",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "instanceId",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "simple": true,
  }
]
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI used to launch the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
@param imageId The ID of the AMI used to launch the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
@return The ID of the AMI used to launch the instance.*/",
"getterMethodName" : "getImageId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
@param imageId The ID of the AMI used to launch the instance.*/",
"setterMethodName" : "setImageId",
"setterModel" : {

  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
@param imageId The ID of the AMI used to launch the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",

  "variable" : {

    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the AMI used to launch the instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "State",
  "c2jShape" : "InstanceState",
  "deprecated" : false,
  "documentation" : "<p>The current state of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The current state of the instance.</p>
@param state The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The current state of the instance.</p>
@return The current state of the instance.*

  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "InstanceState",
    "documentation" : null
  },
  "http" : {

    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceState",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**
 * The current state of the instance.
 */
@param state The current state of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"setterMethodName" : "setState",
"setterModel" : {
 "variableDeclarationType" : "InstanceState",
 "variableName" : "state",
 "variableType" : "InstanceState",
 "documentation" : "",
 "simpleType" : "InstanceState",
 "variableSetterType" : "InstanceState"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * The current state of the instance.
 */
@param state The current state of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"variable" : {
 "variableDeclarationType" : "InstanceState",
 "variableName" : "state",
 "variableType" : "InstanceState",
 "documentation" : 
"The current state of the instance.
",
 "simpleType" : "InstanceState",
 "variableSetterType" : "InstanceState"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : 
"(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the running state. 
"<p>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you’ve enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</p>
"
"enumType" : null,
"fluentSetterDocumentation": "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the \<code>running\</code> state. </p>
\<p>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</p>\</p>
\@param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the \<code>running\</code> state. </p>
\<p>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</p>\</p>
\@return Returns a reference to this object so that method calls can be chained together.*\"",

"fluentSetterMethodName": "withPrivateDnsName",

"getterDocumentation": "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the \<code>running\</code> state. </p>
\<p>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</p>\</p>
\@return (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the \<code>running\</code> state. </p>
\<p>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</p>\</p>
\@return Returns a reference to this object so that method calls can be chained together.*\"",

"getterMethodName": "getPrivateDnsName",

"getterModel": {
    "returnType": "String",
    "documentation": null
},

"http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PrivateDnsName",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "privateDnsName",
    "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This
DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance
enters the <code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server will resolve
Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If
you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve
the hostname as appropriate.</span></p>\n@param privateDnsName (IPv4 only) The private DNS hostname name assigned
to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available
until the instance enters the <code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server
will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in
your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers
must resolve the hostname as appropriate.</span></p>
\n@return Returns a reference to this object so that method calls can be
chained together. */",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance.
This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance
enters the <code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server will resolve
Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If
you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve
the hostname as appropriate.</span></p>\n@param privateDnsName (IPv4 only) The private DNS hostname name assigned
to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available
until the instance enters the <code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server
will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in
your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers
must resolve the hostname as appropriate.</span></p>\n@return Returns a reference to this object so that method calls can be
chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS
hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the
<code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-
provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not
using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname
as appropriate.</span></p>\n@return Returns a reference to this object so that method calls can be
chained together. */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance.
This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance
enters the <code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server will resolve
Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If
you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve
the hostname as appropriate.</span></p>\n@return Returns a reference to this object so that method calls can be
chained together. */",
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS
hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the
<code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-
provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not
using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname
as appropriate.</span></p>\n@return Returns a reference to this object so that method calls can be
chained together. */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance.
This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance
enters the <code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server will resolve
Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If
you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve
the hostname as appropriate.</span></p>\n@return Returns a reference to this object so that method calls can be
chained together. */
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS
hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the
<code>running</code> state. </p> <p><span>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-
provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not
using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname
as appropriate.</span></p>\n@return Returns a reference to this object so that method calls can be
chained together. */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri": null,
}, {
"c2jName": "PublicDnsName",
"c2jShape": "String",
"deprecated": false,
"documentation": 
"(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

```
/**
 * The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

publicDnsName = param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

```

```

/**
 * @param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

withPublicDnsName = param withPublicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

```

```

```

/**
 * (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 */

getPublicDnsName = param getPublicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

```

```

```

/**
 * (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

withPublicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

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```
available until the instance enters the `<code>running</code>` state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

```java
@param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the `<code>running</code>` state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

```
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Reason",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reason",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateTransitionReason",
"setterDocumentation" : "<p>The reason for the most recent state transition. This might be an empty string.</p>
@param stateTransitionReason The reason for the most recent state transition. This might be an empty string.

"setterMethodName" : "setStateTransitionReason",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "stateTransitionReason",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The reason for the most recent state transition. This might be an empty string.</p>
@param stateTransitionReason The reason for the most recent state transition. This might be an empty string.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "stateTransitionReason",
    "variableType" : "String",
    "documentation" : "The reason for the most recent state transition. This might be an empty string."",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KeyName",
"id" : 0,
"name" : "KeyName",
"version" : 1
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the key pair, if this instance was launched with an associated key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@return The name of the key pair, if this instance was launched with an associated key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeyName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keyName",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "<p>The name of the key pair, if this instance was launched with an associated key pair.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AmiLaunchIndex",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The AMI launch index, which can be used to find this instance in the launch group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAmiLaunchIndex",
"getterDocumentation" : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@return The AMI launch index, which can be used to find this instance in the launch group.*/",
"getterMethodName" : "getAmiLaunchIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AmiLaunchIndex",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amiLaunchIndex",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmiLaunchIndex",
"setterDocumentation" : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>\n@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.*/",
"setterMethodName" : "setAmiLaunchIndex",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "amiLaunchIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>\n@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "amiLaunchIndex",
  "variableType" : "Integer",
  "documentation" : "<p>The AMI launch index, which can be used to find this instance in the launch group.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeList",
"deprecated" : false,
"documentation" : "<p>The product codes attached to this instance, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The product codes attached to this instance, if applicable.</p>\n@param productCodes The product codes attached to this instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProductCodes",
"getterDocumentation" : "/**<p>The product codes attached to this instance, if applicable.</p>\n@param productCodes The product codes attached to this instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getProductCodes",
"getterModel" : {
  "returnType" : "java.util.List<ProductCode>",
  "documentation" : null
}
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"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    * @param member
    * @return Returns a reference to this object so that
    * method calls can be chained together */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return *
    * @param member
    * @return Returns a reference to this object so that
    * method calls can be chained together */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ProductCode",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "uri" : false
  }
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>"
},
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "<p>The product codes attached to this instance, if applicable.</p>
@param
productCodes The product codes attached to this instance, if applicable.*="/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"vargarSetterDocumentation" : "/**<p>The product codes attached to this instance, if applicable.</p>
NOTE: This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>/"\n@returns Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "<p>The product codes attached to this instance, if applicable.</p>",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"fluentSetterDocumentation" : "/**<p>The instance type.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type.</p>
@returns The instance type.
@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**\n@param instanceType The instance type.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceType",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceType",
 "variableType" : "String",
 "documentation" : "<p>The instance type.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LaunchTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time the instance was launched.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param launchTime The time the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.
@see launchTime*/",
"fluentSetterMethodName" : "withLaunchTime"
"getterDocumentation" : "/**\<p>The time the instance was launched.</p>\n@return The time the instance was launched.*/",
"getterMethodName" : "getLaunchTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LaunchTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "launchTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchTime",
"setterDocumentation" : "/**\<p>The time the instance was launched.</p>\n@param launchTime The time the instance was launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setLaunchTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "launchTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The time the instance was launched.</p>\n@param launchTime The time the instance was launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "launchTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time the instance was launched.</p>"
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
],
"xmlNameSpaceUri" : null
}, {  
"c2jName" : "Placement",
"c2jShape" : "Placement",
"deprecated" : false,
"documentation" : "<p>The location where the instance launched, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The location where the instance launched, if applicable.</p>
@param
placement The location where the instance launched, if applicable.
@return Returns a reference to this object so
that method calls can be chained together.<*/",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "/**<p>The location where the instance launched, if applicable.</p>
@return The
location where the instance launched, if applicable.</*/",
"getterMethodName" : "getPlacement",
"getterModel" : {  
"returnType" : "Placement",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The location where the instance launched, if applicable.</p>
@param
placement The location where the instance launched, if applicable.
@return Returns a reference to this object so
that method calls can be chained together.<*/",
"setterMethodName" : "setPlacement",
"setterModel" : {  
"variableDeclarationType" : "Placement",
"variableName" : "placement"}
"variableType" : "Placement",
"documentation" : "",
"simpleType" : "Placement",
"variableSetterType" : "Placement"
},
"simple" : false,
"varargSetterDocumentation" : "/**\<p>\ The location where the instance launched, if applicable.\</p>\n@return \ Return a reference to this object so that method calls can be chained together.\*/",

"variable" : {
  "variableDeclarationType" : "Placement",
  "variableName" : "placement",
  "variableType" : "Placement",
  "documentation" : "\<p>\ The location where the instance launched, if applicable.\</p>\n  "simpleType" : "Placement",
  "variableSetterType" : "Placement"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p>\ The kernel associated with this instance, if applicable.\</p>\n  "enumType" : null,
"fluentSetterDocumentation" : "/**\<p>\ The kernel associated with this instance, if applicable.\</p>\n@return \ Return a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**\<p>\ The kernel associated with this instance, if applicable.\</p>\n@return The kernel associated with this instance, if applicable.\*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KernelId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "kernelId",
}
The kernel associated with this instance, if applicable.

```java
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "The kernel associated with this instance, if applicable.
@param kernelId The kernel associated with this instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The kernel associated with this instance, if applicable.
@param kernelId The kernel associated with this instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "The kernel associated with this instance, if applicable.
",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The RAM disk associated with this instance, if applicable.
",
"enumType" : "null",
"fluentSetterDocumentation" : "The RAM disk associated with this instance, if applicable.
",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "The RAM disk associated with this instance, if applicable.
",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RamdiskId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ramdiskId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RamdiskId",
"setterDocumentation": "/**<p>The RAM disk associated with this instance, if applicable.</p>
@param ramdiskId The RAM disk associated with this instance, if applicable.</param>*/",
"setterMethodName": "setRamdiskId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ramdiskId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The RAM disk associated with this instance, if applicable.</p>
@param ramdiskId The RAM disk associated with this instance, if applicable.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ramdiskId",
  "variableType": "String",
  "documentation": "The RAM disk associated with this instance, if applicable.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Platform"
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The value is <code>Windows</code> for Windows instances; otherwise blank.\n* @param platform The value is <code>Windows</code> for Windows instances; otherwise blank.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see PlatformValues*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "platform",
"variableType" : "String",
"documentation" : "/**<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>
@param platform The value is <code>Windows</code> for Windows instances; otherwise blank.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Monitoring",
"c2jShape" : "Monitoring",
"deprecated" : false,
"documentation" : "/**\n* The monitoring for the instance.\n* @param monitoring The monitoring for the instance.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see Monitoring */",
"fluentSetterDocumentation" : "/**\n* The monitoring for the instance.\n* @param monitoring The monitoring for the instance.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see Monitoring */",
"fluentSetterMethodName" : "withMonitoring",
"getterDocumentation" : "/**\n* The monitoring for the instance.\n* @return The monitoring for the instance.\n* @see Monitoring */",
"getterMethodName" : "getMonitoring",
"getterModel" : {
"returnType" : "Monitoring",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Monitoring",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "monitoring",
"uri" : false
},

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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Monitoring",
  "variableName" : "monitoring",
  "variableType" : "Monitoring",
  "documentation" : "",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Monitoring",
  "variableName" : "monitoring",
  "variableType" : "Monitoring",
  "documentation" : "The monitoring for the instance.",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
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"xmlNameSpaceUri" : null
},
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "[EC2-VPC] The ID of the subnet in which the instance is running.*/",
"enumType" : null,
"fluentsetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.*/
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentsetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.*/
@return [EC2-VPC] The ID of the subnet in which the instance is running.
*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
@return [EC2-VPC] The ID of the VPC in which the instance is running.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
@return Returns a"
reference to this object so that method calls can be chained together. */
  
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private IPv4 address assigned to the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 address assigned to the instance.</p>
@param
privateIpAddress The private IPv4 address assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The private IPv4 address assigned to the instance.</p>
@return The private IPv4 address assigned to the instance.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",}
"setterDocumentation" : "/**<p>The private IPv4 address assigned to the instance.</p>
@param
privateIpAddress The private IPv4 address assigned to the instance.
*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 address assigned to the instance.</p>
@param
privateIpAddress The private IPv4 address assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "pThe private IPv4 address assigned to the instance.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "PublicIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "pThe public IPv4 address assigned to the instance, if applicable.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withPublicIpAddress",
  "getterDocumentation" : "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>
@return The public IPv4 address assigned to the instance, if applicable.
*/",
  "getterMethodName" : "getPublicIpAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "name" : "<http:ipAddress>
    "resourcePath" : "/ipAddresses/",
    "useEntityTrigger" : true,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIpAddress",
"setterDocumentation" : "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.*#/",
"setterMethodName" : "setPublicIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.*#/",
"varargSetterMethodName" : "withPublicIpAddress",

"c2jName" : "StateReason",
"c2jShape" : "StateReason",
"deprecated" : false,
"documentation" : "<p>The reason for the most recent state transition.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reason for the most recent state transition.</p>
@param stateReason The reason for the most recent state transition.*#/",
"fluentSetterMethodName" : "withStateReason",

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"getterDocumentation" : "/**\n<p>The reason for the most recent state transition.</p>\n@return The reason for the most recent state transition.*/",
"getterMethodName" : "getStateReason",
"getterModel" : {
  "returnType" : "StateReason",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StateReason",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "stateReason",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateReason",
"setterDocumentation" : "/**\n<p>The reason for the most recent state transition.</p>\n@param stateReason The reason for the most recent state transition.*/",
"setterMethodName" : "setStateReason",
"setterModel" : {
  "variableDeclarationType" : "StateReason",
  "variableName" : "stateReason",
  "variableType" : "StateReason",
  "documentation" : "",
  "simpleType" : "StateReason",
  "variableSetterType" : "StateReason"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The reason for the most recent state transition.</p>\n@param stateReason The reason for the most recent state transition.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "StateReason",
  "variableName" : "stateReason",
  "variableType" : "StateReason",
  "documentation" : "<p>The reason for the most recent state transition.</p>"
"simpleType" : "StateReason",
"variableSetterType" : "StateReason"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Architecture",
"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "<p>The architecture of the image.</p>",
"enumType" : "ArchitectureValues",
"fluentSetterDocumentation" : "<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return The architecture of the image.
@see ArchitectureValues*/",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "<p>The architecture of the image.</p>
@return The architecture of the image.
@see ArchitectureValues*/",
"getterMethodName" : "getArchitecture",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Architecture",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "architecture",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return The architecture of the image.
@see ArchitectureValues*/",
"setterMethodName" : "setArchitecture",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "<p>The architecture of the image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "RootDeviceType",
  "c2jShape" : "DeviceType",
  "deprecated" : false,
  "documentation" : "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
  "enumType" : "DeviceType",
  "fluentSetterDocumentation" : "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.
@return Returns a reference to this object so that method calls can be chained together.
@see DeviceType*/",
  "fluentSetterMethodName" : "withRootDeviceType",
  "getterDocumentation" : "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@return The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.
@see DeviceType*/",
  "getterMethodName" : "getRootDeviceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RootDeviceType",
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "rootDeviceType",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceType",
"setterDocumentation" : "/*\n* The root device type used by the AMI. The AMI can use an EBS volume or an
instance store volume.\n*/\n@param rootDeviceType The root device type used by the AMI. The AMI can use an
EBS volume or an instance store volume.\n@see DeviceType*/",
"setterMethodName" : "setRootDeviceType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "rootDeviceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n* The root device type used by the AMI. The AMI can use an EBS
volume or an instance store volume.\n*/\n@param rootDeviceType The root device type used by the AMI. The
AMI can use an EBS volume or an instance store volume.\n@return Returns a reference to this object so that method
calls can be chained together.\n@see DeviceType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "rootDeviceType",
"variableType" : "String",
"documentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or
<code>/dev/xvda</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, { 
"c2jName" : "RootDeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or
<code>/dev/xvda</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*\n* The root device name (for example, <code>/dev/sda1</code> or
<code>/dev/xvda</code>).</p>\n@return Returns a reference to this object so that method
calls can be chained together.*/

"fluentSetterMethodName" : "withRootDeviceName",
"getterDocumentation" : "/**<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@return The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",
"getterMethodName" : "getRootDeviceName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RootDeviceName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "rootDeviceName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceName",
"setterDocumentation" : "/**<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRootDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/
@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "rootDeviceName",
    "variableType" : "String",
    "documentation" : "The root device name (for example, /dev/sda1 OR /dev/xvda).",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "InstanceBlockDeviceMappingList",
"deprecated" : false,
"documentation" : "Any block device mapping entries for the instance.",
"enumType" : null,
"fluentSetterDocumentation" : "Any block device mapping entries for the instance.

@param blockDeviceMappings Any block device mapping entries for the instance.

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "Any block device mapping entries for the instance.

@return Any block device mapping entries for the instance.
",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
    "returnType" : "java.util.List<InstanceBlockDeviceMapping>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BlockDeviceMapping",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "blockDeviceMapping",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "implType" : "com.amazonaws...."}.......
        },
    },
    "listMemberModel" : {
        "implType" : "com.amazonaws...."}.......
    },
    "listMemberModel" : {
        "implType" : "com.amazonaws...."}.......
    },
"c2jName": "member",
"c2jShape": "InstanceBlockDeviceMapping",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member  
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "InstanceBlockDeviceMapping",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InstanceBlockDeviceMapping",
  "variableName": "member",
  "variableType": "InstanceBlockDeviceMapping",
  "documentation": "",
  "simpleType": "InstanceBlockDeviceMapping",
  "variableSetterType": "InstanceBlockDeviceMapping"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
    "variableDeclarationType": "InstanceBlockDeviceMapping",
    "variableName": "member",
    "variableType": "InstanceBlockDeviceMapping",
    "documentation": "",
    "simpleType": "InstanceBlockDeviceMapping",
    "variableSetterType": "InstanceBlockDeviceMapping"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceBlockDeviceMapping",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceBlockDeviceMapping",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
"templateType": "java.util.List<InstanceBlockDeviceMapping>"
},
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/** <p>Any block device mapping entries for the instance.</p>
@param blockDeviceMappings Any block device mapping entries for the instance.*/",
"setterMethodName": "setBlockDeviceMappings",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
    "variableName": "blockDeviceMappings",
    "variableType": "java.util.List<InstanceBlockDeviceMapping>",
    "documentation": "",
    "simpleType": "List<InstanceBlockDeviceMapping>",
    "variableSetterType": "java.util.Collection<InstanceBlockDeviceMapping>"
},
"simple": false,
"varargSetterDocumentation": "/** <p>Any block device mapping entries for the instance.</p>

\n@param <b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setBlockDeviceMappings(java.util.Collection) } or { @link #withBlockDeviceMappings(java.util.Collection) } if you want to override the existing values.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
    "variableName": "blockDeviceMappings",
    "variableType": "java.util.List<InstanceBlockDeviceMapping>",
    "documentation": "<p>Any block device mapping entries for the instance.</p>",
    "simpleType": "List<InstanceBlockDeviceMapping>"
"variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>",
],
"xmlNameSpaceUri" : null
], { "c2jName" : "VirtualizationType",
"c2jShape" : "VirtualizationType",
"deprecated" : false,
"documentation" : "<p>The virtualization type of the instance.</p>",
"enumType" : "VirtualizationType",
"fluentSetterDocumentation" : "/**<p>The virtualization type of the instance.</p>\n@param virtualizationType
@return Returns a reference to this object so that method calls can be chained together.\n@see VirtualizationType*/",
"fluentSetterMethodName" : "withVirtualizationType",
"getterDocumentation" : "/**<p>The virtualization type of the instance.</p>\n@return The virtualization type of the instance.\n@see VirtualizationType*/",
"getterMethodName" : "getVirtualizationType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VirtualizationType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "virtualizationType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VirtualizationType",
"setterDocumentation" : "/**<p>The virtualization type of the instance.</p>\n@param virtualizationType
@return The virtualization type of the instance.\n@see VirtualizationType*/",
"setterMethodName" : "setVirtualizationType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "virtualizationType",
"variableType" : "String"},
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n*p The virtualization type of the instance.\n*/param virtualizationType The virtualization type of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VirtualizationType*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "virtualizationType",
"variableType": "String",
"documentation": "\n<p>The virtualization type of the instance.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "InstanceLifecycle",
"c2jShape": "InstanceLifecycleType",
"deprecated": false,
"documentation": "\n<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>",
"enumType": "InstanceLifecycleType",
"fluentSetterDocumentation": "/**\n*p Indicates whether this is a Spot instance or a Scheduled Instance.\n*/param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceLifecycleType*/",
"fluentSetterMethodName": "withInstanceLifecycle",
"getterDocumentation": "/**\n*p Indicates whether this is a Spot instance or a Scheduled Instance.\n*/getter Indicates whether this is a Spot instance or a Scheduled Instance.\n@see InstanceLifecycleType*/",
"getterMethodName": "getInstanceLifecycle",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceLifecycle",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "instanceLifecycle",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceLifecycle",
"setterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
@see InstanceLifecycleType*/",
"setterMethodName" : "setInstanceLifecycle",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceLifecycle",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceLifecycleType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceLifecycle",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {  
"c2jName" : "SpotInstanceRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If the request is a Spot instance request, the ID of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>",
"fluentSetterMethodName" : "withSpotInstanceRequestId",
"getterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>",
"getterMethodName" : "getSpotInstanceRequestId",
...
"getterModel": {  
  "returnType": "String",
  "documentation": null
},
"http": {  
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "$SpotInstanceRequestId$",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "$spotInstanceRequestId$",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "$SpotInstanceRequestId$",
"setterDocumentation": "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@param
$spotInstanceRequestId$ If the request is a Spot instance request, the ID of the request.*/",
"setterMethodName": "setSpotInstanceRequestId",
"setterModel": {  
  "variableDeclarationType": "String",
  "variableName": "$spotInstanceRequestId$",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@param
$spotInstanceRequestId$ If the request is a Spot instance request, the ID of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {  
  "variableDeclarationType": "String",
  "variableName": "$spotInstanceRequestId$",
  "variableType": "String",
  "documentation": "<p>If the request is a Spot instance request, the ID of the request.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
}
}
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The idempotency token you provided when you launched the instance, if applicable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
* @param clientToken The idempotency token you provided when you launched the instance, if applicable.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withClientToken",
  "getterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
  * @return The idempotency token you provided when you launched the instance, if applicable.*/",
  "getterMethodName" : "getClientToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ClientToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "clientToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ClientToken",
  "setterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
  * @param clientToken The idempotency token you provided when you launched the instance, if applicable.*/",
  "setterMethodName" : "setClientToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
  },
}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The idempotency token you provided when you launched the instance, if applicable.</p>
@param clientToken The idempotency token you provided when you launched the instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>The idempotency token you provided when you launched the instance, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>Any tags assigned to the instance.</p>
@param tags Any tags assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**\n<p>Any tags assigned to the instance.</p>
@return Any tags assigned to the instance.*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Tag",
      "variableName" : "member",
      "variableType" : "Tag"
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag"
},
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**\nAny tags assigned to the instance.*/\n@param tags Any tags assigned to the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setTags",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**\nAny tags assigned to the instance.\n\nNOTE: This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the instance.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SecurityGroups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>One or more security groups for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@param
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@return One or more security groups for the instance.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
  "returnType" : "java.util.List<GroupIdentifier>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
    "deprecated" : false,
    "documentation" : "<p>One or more security groups for the instance.</p>
    @param
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**<p>One or more security groups for the instance.</p>
    @return One or more security groups for the instance.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<GroupIdentifier>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "GroupIdentifier",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
}
One or more security groups for the instance. */

/**
 * One or more security groups for the instance.
 */

@link #setSecurityGroups(java.util.Collection) or
@link #withSecurityGroups(java.util.Collection) if you want to override the existing values.

This method appends the values to the existing list (if any). Use

@link #setSecurityGroups(java.util.Collection) or
@link #withSecurityGroups(java.util.Collection) if you want to override the existing values.

Returns a reference to this object so that

method calls can be chained together.

*/

}
"xmlNameSpaceUri" : null,
},
  "c2jName" : "SourceDestCheck",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `true` means checking is enabled, and `false` means checking is disabled. The value must be `false` for the instance to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the *Amazon Virtual Private Cloud User Guide*.",
  "enumType" : null,
  "fluentSetterDocumentation" : "Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `true` means checking is enabled, and `false` means checking is disabled. The value must be `false` for the instance to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the *Amazon Virtual Private Cloud User Guide*.\n\n@returns {Boolean} Returns a reference to this object so that method calls can be chained together. */",
  "getterDocumentation" : "Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `true` means checking is enabled, and `false` means checking is disabled. The value must be `false` for the instance to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the *Amazon Virtual Private Cloud User Guide*.\n\n@returns {Boolean} Specifies whether to enable an instance launched in a VPC to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the *Amazon Virtual Private Cloud User Guide*.*/",
  "getterMethodName" : "getSourceDestCheck",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.

@param sourceDestCheck Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. 

@vararg sourceDestCheck Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. 

@simple sourceDestCheck

@varargSimpleSourceDestCheck Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. 

@simpleVarargSourceDestCheck

@varargsimpleSourceDestCheck

@simpleVarargsSourceDestCheck

@varargsimpleVarargSourceDestCheck

@simpleVarargsimpleSourceDestCheck

@simpleVarargsimpleVarargSourceDestCheck

@varargsimpleVarargsimpleVarargSourceDestCheck
variable" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "sourceDestCheck",
   "variableType" : "Boolean",
   "documentation" : "<p>Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*"",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Hypervisor",
"c2jShape" : "HypervisorType",
"deprecated" : false,
"documentation" : "<p>The hypervisor type of the instance.</p>
@see HypervisorType",
"enumType" : "HypervisorType",
"fluentSetterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
@param hypervisor The hypervisor type of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
"fluentSetterMethodName" : "withHypervisor",
"getterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
@return The hypervisor type of the instance.
@see HypervisorType*/",
"getterMethodName" : "getHypervisor",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Hypervisor",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "hypervisor",
   "uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Hypervisor",
"setterDocumentation": "/**\n<p>The hypervisor type of the instance.\n@param hypervisor The hypervisor type of the instance.\n@see HypervisorType*/",
"setterMethodName": "setHypervisor",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "hypervisor",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The hypervisor type of the instance.\n@param hypervisor The hypervisor type of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see HypervisorType*/",
"variable": {
   "variableDeclarationType": "String",
   "variableName": "hypervisor",
   "variableType": "String",
   "documentation": "<p>The hypervisor type of the instance.</p>",
   "simpleType": "String",
   "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "NetworkInterfaces",
"c2jShape": "InstanceNetworkInterfaceList",
"deprecated": false,
"documentation": "<p>[EC2-VPC] One or more network interfaces for the instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/*\n<p>[EC2-VPC] One or more network interfaces for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName": "withNetworkInterfaces",
"getterDocumentation": "/*\n<p>[EC2-VPC] One or more network interfaces for the instance.\n@return [EC2-VPC] One or more network interfaces for the instance.</p>",
"getterMethodName": "getNetworkInterfaces",
"getterModel": {
   "returnType": "java.util.List<InstanceNetworkInterface>",
   "documentation": null
}
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
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  "statusCode": false,  
  "unmarshallLocationName": "networkInterfaceSet",  
  "uri": false  
},  
"idempotencyToken": false,  
"list": true,  
"listModel": {  
  "implType": "com.amazonaws.internal.SdkInternalList",  
  "interfaceType": "java.util.List",  
  "listMemberModel": {  
    "c2jName": "member",  
    "c2jShape": "InstanceNetworkInterface",  
    "deprecated": false,  
    "documentation": "",  
    "enumType": null,  
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",  
    "fluentSetterMethodName": "withMember",  
    "getterDocumentation": "/**\n@return */",  
    "getterMethodName": "getMember",  
    "getterModel": {  
      "returnType": "InstanceNetworkInterface",  
      "documentation": null  
    },  
  },  
  "http": {  
    "additionalMarshallingPath": null,  
    "additionalUnmarshallingPath": null,  
    "flattened": false,  
    "greedy": false,  
    "header": false,  
    "isPayload": false,  
    "isStreaming": false,  
    "location": null,  
    "marshallLocationName": "Item",  
    "queryString": false,  
    "statusCode": false,  
    "unmarshallLocationName": "item",  
  }  
}  
}
"uri": false,
"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InstanceNetworkInterface",
  "variableName": "member",
  "variableType": "InstanceNetworkInterface",
  "documentation": "",
  "simpleType": "InstanceNetworkInterface",
  "variableSetterType": "InstanceNetworkInterface"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceNetworkInterface",
  "variableName": "member",
  "variableType": "InstanceNetworkInterface",
  "documentation": "",
  "simpleType": "InstanceNetworkInterface",
  "variableSetterType": "InstanceNetworkInterface"
},
"xmlnsSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceNetworkInterface",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceNetworkInterface",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType": "java.util.List<InstanceNetworkInterface>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**<p>[EC2-VPC] One or more network interfaces for the instance.</p>
@param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.*\*/",
"memberLocationName": "item",
"memberType": "InstanceNetworkInterface",
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceNetworkInterface",
  "variableName": "member",
  "variableType": "InstanceNetworkInterface",
  "documentation": "",
  "simpleType": "InstanceNetworkInterface",
  "variableSetterType": "InstanceNetworkInterface"
},
"xmlnsSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceNetworkInterface",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceNetworkInterface",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType": "java.util.List<InstanceNetworkInterface>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceNetworkInterface",
  "variableName": "member",
  "variableType": "InstanceNetworkInterface",
  "documentation": "",
  "simpleType": "InstanceNetworkInterface",
  "variableSetterType": "InstanceNetworkInterface"
},
"xmlnsSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceNetworkInterface",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceNetworkInterface",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType": "java.util.List<InstanceNetworkInterface>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceNetworkInterface",
  "variableName": "member",
  "variableType": "InstanceNetworkInterface",
  "documentation": "",
  "simpleType": "InstanceNetworkInterface",
  "variableSetterType": "InstanceNetworkInterface"
},
"xmlnsSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceNetworkInterface",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceNetworkInterface",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType": "java.util.List<InstanceNetworkInterface>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceNetworkInterface",
  "variableName": "member",
  "variableType": "InstanceNetworkInterface",
  "documentation": "",
  "simpleType": "InstanceNetworkInterface",
  "variableSetterType": "InstanceNetworkInterface"
},
"xmlnsSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceNetworkInterface",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceNetworkInterface",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType": "java.util.List<InstanceNetworkInterface>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",}
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterface>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterface>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] One or more network interfaces for the instance.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setNetworkInterfaces(java.util.Collection)} or {@link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.</p>
@param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : "<p>[EC2-VPC] One or more network interfaces for the instance.</p>
  "simpleType" : "List<InstanceNetworkInterface>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterface>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfile",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IAM instance profile associated with the instance, if applicable.</p>
  @param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile associated with the instance, if applicable.</p>
  "getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
  "returnType" : "IamInstanceProfile",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "iamInstanceProfile",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfile",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "iamInstanceProfile",
"setterDocumentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>
@param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfile",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfile",
  "documentation" : "",
  "simpleType" : "IamInstanceProfile",
  "variableSetterType" : "IamInstanceProfile"
},
"simple" : false,
"varargSetterDocumentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>
@\param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfile",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfile",
  "documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>
  "<p>The IAM instance profile associated with the instance, if applicable.</p>",
  "simpleType" : "IamInstanceProfile",
  "variableSetterType" : "IamInstanceProfile"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
  dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance.
  This optimization isn't available with all instance types. Additional usage charges apply when using an EBS
  Optimized instance.</p>",
"enumType" : null,
**Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.**

```
/**
 * Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 * @param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public boolean withEbsOptimized()
{
    return getEbsOptimized();
}
```

```
/**
 * Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 * @return Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 */

public boolean getEbsOptimized()
{
    return ebsOptimized;
}
```
when using an EBS Optimized instance.*/),
  "setterMethodName" : "setEbsOptimized",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsOptimized",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide
optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply
when using an EBS Optimized instance.<p>\n@<param ebsOptimized Indicates whether the instance is optimized
for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack
to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage
charges apply when using an EBS Optimized instance.<p>
@return Returns a reference to this object so that method
calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsOptimized",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance.
This optimization isn't available with all instance types. Additional usage charges apply when using an EBS
Optimized instance.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null
},
{"c2jName" : "SriovNetSupport",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface
is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual
Function interface is enabled.</p>\n@param sriovNetSupport Specifies whether enhanced networking with the Intel
82599 Virtual Function interface is enabled.<p>
@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function
interface is enabled.</p>\n@<return Specifies whether enhanced networking with the Intel 82599 Virtual Function
interface is enabled.*/",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SriovNetSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sriovNetSupport",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**\n<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>\n@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null,
},
{"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@return Specifies whether enhanced networking with ENA is enabled.*/",
"getterMethodName" : "getEnaSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnaSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enaSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.</param>
@return Specifies whether enhanced networking with ENA is enabled.*/",
"setterMethodName" : "setEnaSupport",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enaSupport",
"variableType" : "Boolean"
"statusCode" : false,
"unmarshallLocationName" : "amiLaunchIndex",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmiLaunchIndex",
"setterDocumentation" : "/**\n* The AMI launch index, which can be used to find this instance in the launch
group.\n*\n* @param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch
group.\n*\n* @return\n* A reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAmiLaunchIndex",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "amiLaunchIndex",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The AMI launch index, which can be used to find this instance in the launch
group.\n*\n* @param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch
group.\n*\n* @return\n* A reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "amiLaunchIndex",
"variableType" : "Integer",
"documentation" : "The AMI launch index, which can be used to find this instance in the launch
group.\n*\n* @param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch
group.\n*\n* @return\n* A reference to this object so that method calls can be chained together.*/",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Architecture" : {
"c2jName" : "Architecture",
"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "The architecture of the image.\n*\n* @param architecture The architecture of the image.\n*\n* @return\n* A reference to this object so that method calls can be chained together.\n*\n* @see ArchitectureValues*/",
"fluentSetterDocumentation" : "/**\n* The architecture of the image.\n*\n* @param architecture The architecture of the image.\n*\n* @return\n* A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "/**\n* The architecture of the image.\n*\n* @return\n* The architecture of the
image

```

@see ArchitectureValues*/

getterMethodName" : "getArchitecture",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Architecture",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "architecture",
  "uri" : false
},
idempotencyToken" : false,
list" : false,
listModel" : null,
map" : false,
mapModel" : null,
name" : "Architecture",
setterDocumentation" : "/*<p>The architecture of the image.</p><!--param architecture The architecture of the image.*/

setterMethodName" : "setArchitecture",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
simple" : true,
varargSetterDocumentation" : "/*<p>The architecture of the image.</p><!--param architecture The architecture of the image.*/

return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "simpleType" : "String"
}
```

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"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
  "c2jName" : "BlockDeviceMappings",
  "c2jShape" : "InstanceBlockDeviceMappingList",
  "deprecated" : false,
  "documentation" : "<p>Any block device mapping entries for the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any block device mapping entries for the instance.</p>
  @param blockDeviceMappings Any block device mapping entries for the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withBlockDeviceMappings",
  "getterDocumentation" : "/**<p>Any block device mapping entries for the instance.</p>
  @return Any block device mapping entries for the instance.*/",
  "getterMethodName" : "getBlockDeviceMappings",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceBlockDeviceMapping>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BlockDeviceMapping",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "blockDeviceMapping",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "InstanceBlockDeviceMapping",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n  @param member
  @return Returns a reference to this object so that
method calls can be chained together.

''fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceBlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "InstanceBlockDeviceMapping",
"variableName" : "member",
"variableType" : "InstanceBlockDeviceMapping",
"documentation" : "",
"simpleType" : "InstanceBlockDeviceMapping",
"variableSetterType" : "InstanceBlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceBlockDeviceMapping",
"variableName" : "member",
"variableType" : "InstanceBlockDeviceMapping",
"documentation" : "",
"simpleType" : "InstanceBlockDeviceMapping",}
"variableSetterType" : "InstanceBlockDeviceMapping",
],
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "InstanceBlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceBlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
"templateType" : "java.util.List<InstanceBlockDeviceMapping>",
],
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>Any block device mapping entries for the instance.</p>
@param blockDeviceMappings Any block device mapping entries for the instance.*="/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any block device mapping entries for the instance.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setBlockDeviceMappings(java.util.Collection)} or { @link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings Any block device mapping entries for the instance.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "<p>Any block device mapping entries for the instance.</p>",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
],
"ClientToken" : {
"c2jName" : "ClientToken"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The idempotency token you provided when you launched the instance, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
@param clientToken The idempotency token you provided when you launched the instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
@return The idempotency token you provided when you launched the instance, if applicable.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
@param clientToken The idempotency token you provided when you launched the instance, if applicable.
@return This method returns a reference to this instance so that method calls can be chained together.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EbsOptimized",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ebsOptimized",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n@\n\n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/
\n\n@setterMethodName" : "setEbsOptimized",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n@\n\n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/
\n\n@variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean"
Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn’t available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

```java
public class EnaSupport {
    private boolean enaSupport;

    // Getters and setters
    public boolean isEnaSupport() {
        return enaSupport;
    }

    public void setEnaSupport(boolean enaSupport) {
        this.enaSupport = enaSupport;
    }
}
```

Specifies whether enhanced networking with ENA is enabled. Additional usage charges apply when using an EBS Optimized instance.
enaSupport Specifies whether enhanced networking with ENA is enabled.*/

"setterMethodName" : "setEnaSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>
  
  @see HypervisorType",
  "enumType" : "HypervisorType",
  "fluentSetterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
  @param hypervisor The hypervisor type of the instance.
  @return Returns a reference to this object so that method calls can be chained together.
  @see HypervisorType*/",
  "fluentSetterMethodName" : "withHypervisor",
  "getterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
  @return The hypervisor type of the instance.
  @see HypervisorType*/",
  "getterMethodName" : "getHypervisor",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Hypervisor",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hypervisor",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
@param hypervisor The hypervisor type of the instance.
@see HypervisorType*/",
"setterMethodName" : "setHypervisor",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
@param hypervisor The hypervisor type of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "<p>The hypervisor type of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
  "c2jName" : "IamInstanceProfile",
  "c2jShape" : "IamInstanceProfile",
  "deprecated" : false,
  "documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IAM instance profile associated with the instance, if applicable.</p>
@param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfile",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfile",
  "documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>",
  "simpleType" : "IamInstanceProfile",
  "variableSetterType" : "IamInstanceProfile"
},
"xmlNameSpaceUri" : null
}
"fluentSetterMethodName": "withIamInstanceProfile",
"getterDocumentation": "/**\n<p>The IAM instance profile associated with the instance, if applicable.</p>
@return The IAM instance profile associated with the instance, if applicable. */",
"getterMethodName": "getIamInstanceProfile",
"getterModel": {
  "returnType": "IamInstanceProfile",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "IamInstanceProfile",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "iamInstanceProfile",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IamInstanceProfile",
"setterDocumentation": "/**\n<p>The IAM instance profile associated with the instance, if applicable.</p>
@param iamInstanceProfile The IAM instance profile associated with the instance, if applicable. */",
"setterMethodName": "setIamInstanceProfile",
"setterModel": {
  "variableDeclarationType": "IamInstanceProfile",
  "variableName": "iamInstanceProfile",
  "variableType": "IamInstanceProfile",
  "documentation": "",
  "simpleType": "IamInstanceProfile",
  "variableSetterType": "IamInstanceProfile"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The IAM instance profile associated with the instance, if applicable.</p>
@param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "IamInstanceProfile",
  "variableName": "iamInstanceProfile",
  "variableName": "iamInstanceProfile"}
"variableType" : "IamInstanceProfile",
"documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>",
"simpleType" : "IamInstanceProfile",
"variableSetterType" : "IamInstanceProfile"
},
"xmlNameSpaceUri" : null
},
"ImageId" : {
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI used to launch the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
@param imageId The ID of the AMI used to launch the instance.
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
@return The ID of the AMI used to launch the instance.
*/",
"getterMethodName" : "getImageId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
@param imageId The ID of the AMI used to launch the instance.
*/",
"setterMethodName" : "setImageId",
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceLifecycle" : {
  "c2jName" : "InstanceLifecycle",
  "c2jShape" : "InstanceLifecycleType",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>",
  "enumType" : "InstanceLifecycleType",
  "fluentSetterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceLifecycle",
  "getterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@return Indicates whether this is a Spot instance or a Scheduled Instance.*/",
  "getterMethodName" : "getInstanceLifecycle",
  "name" : "InstanceLifecycle",
  "setterMethodName" : "setInstanceLifecycle",
  "setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
"getterModel" : {
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    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceLifecycle",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceLifecycle",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceLifecycle",
"setterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
@see InstanceLifecycleType*/",
"setterMethodName" : "setInstanceLifecycle",
"setterModel" : {
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    "variableName" : "instanceLifecycle",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceLifecycleType*/",
"variable" : {
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    "variableName" : "instanceLifecycle",
    "variableType" : "String",
    "documentation" : "<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>",
    "simpleType" : "String"}
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The kernel associated with this instance, if applicable.</p>
@param kernelId The kernel associated with this instance, if applicable.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The kernel associated with this instance, if applicable.</p>
@param kernelId The kernel associated with this instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The kernel associated with this instance, if applicable.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
},
"KeyName" : {
  "c2jName" : "KeyName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKeyName",
  "getterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
  "getterMethodId" : "getKeyName",
  "getterModel" : {

"returnType" : "String",
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KeyName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "keyName",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/*\p> The name of the key pair, if this instance was launched with an associated key pair.
\p@param keyName The name of the key pair, if this instance was launched with an associated key pair.
*/",
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"setterModel" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\p> The name of the key pair, if this instance was launched with an associated key pair.
\p@param keyName The name of the key pair, if this instance was launched with an associated key pair.
\p@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
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  "simpleType" : "String",
  "variableSetterType" : "String"
"LaunchTime" : {
"c2jName" : "LaunchTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time the instance was launched.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time the instance was launched.</p>
@param launchTime The time the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLaunchTime",
"getterDocumentation" : "/**<p>The time the instance was launched.</p>
@return The time the instance was launched.*/",
"getterMethodName" : "getLaunchTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchTime",
"setterDocumentation" : "/**<p>The time the instance was launched.</p>
@param launchTime The time the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setLaunchTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "launchTime",
"variableType" : "java.util.Date",
"xmlNameSpaceUri" : null
}
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The time the instance was launched.*/
@param launchTime The time the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "launchTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time the instance was launched.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Monitoring" : {
"c2jName" : "Monitoring",
"c2jShape" : "Monitoring",
"deprecated" : false,
"documentation" : "<p>The monitoring for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*\<p>The monitoring for the instance.</p>@param monitoring The monitoring for the instance.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMonitoring",
"getterDocumentation" : "/*\<p>The monitoring for the instance.</p>@return The monitoring for the instance.*/",
"getterMethodName" : "getMonitoring",
"getterModel" : {
"returnType" : "Monitoring",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Monitoring",
"queryString" : false,
"statusCode" : false,
"statusString" : false,
"unmarshallLocationName" : "monitoring"}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Monitoring",
  "variableName" : "monitoring",
  "variableType" : "Monitoring",
  "documentation" : "",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "monitoring",
  "variableType" : "Monitoring",
  "documentation" : "<p>The monitoring for the instance.</p>",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
  "c2jName" : "NetworkInterfaces",
  "c2jShape" : "InstanceNetworkInterfaceList",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] One or more network interfaces for the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-VPC] One or more network interfaces for the instance.</p>
@param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaces",
  "getterDocumentation" : "/**<p>[EC2-VPC] One or more network interfaces for the instance.</p>
@return [EC2-VPC] One or more network interfaces for the instance.*/",
  "getterMethodName" : "getNetworkInterfaces",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceNetworkInterface>"
  }
}
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterface",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterface",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterface",
  "variableSetterType" : "InstanceNetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterface",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterface",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterface",
  "variableSetterType" : "InstanceNetworkInterface"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterface",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType" : "java.util.List<InstanceNetworkInterface>"
],
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**\[EC2-VPC\] One or more network interfaces for the instance.\n@param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterface>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterface>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\[EC2-VPC\] One or more network interfaces for the instance.\n\n\@param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.\n\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : "\[EC2-VPC\] One or more network interfaces for the instance.\n\n\@param networkInterfaces \[EC2-VPC\] One or more network interfaces for the instance.\n\n\@return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"Placement" : {
  "c2jName" : "Placement",
  "c2jShape" : "Placement",
  "deprecated" : false,
  "documentation" : "\[EC2-VPC\] The location where the instance launched, if applicable.\n\n\@param placement \[EC2-VPC\] The location where the instance launched, if applicable.\n\n\@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**The location where the instance launched, if applicable.\n\@param placement The location where the instance launched, if applicable.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPlacement",
  "getterDocumentation" : "/**The location where the instance launched, if applicable.\n\@param getterMethodName" : "getPlacement",
  "getterModel" : {
    "returnType" : "Placement",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placement",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The location where the instance launched, if applicable.</p>
@param
placement The location where the instance launched, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
 "variableDeclarationType" : "Placement",
 "variableName" : "placement",
 "variableType" : "Placement",
 "documentation" : "",
 "simpleType" : "Placement",
 "variableSetterType" : "Placement"
},
 "simple" : false,
 "varargSetterDocumentation" : "/**<p>The location where the instance launched, if applicable.</p>
@param
placement The location where the instance launched, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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 "variableName" : "placement",
 "variableType" : "Placement",
 "documentation" : "<p>The location where the instance launched, if applicable.</p>",
 "simpleType" : "Placement",
 "variableSetterType" : "Placement"
},
"xmlNameSpaceUri" : null,
},
"Platform" : {
 "c2jName" : "Platform",
 "c2jShape" : "PlatformValues",
 "deprecated" : false,
 "documentation" : "<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>",
 "enumType" : "PlatformValues",
}
"fluentSetterDocumentation" : "/*\*<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@param platform The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/*\*<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@return The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@see PlatformValues*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/*\*<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@param platform The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\*<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@param platform The value is <code>Windows</code> for Windows instances; otherwise blank.</p>@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",}
otherwise blank.</p>
@returns Returns a reference to this object so that method calls can be chained together.

@see PlatformValues*/
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "platform",
        "variableType" : "String",
        "documentation" : "&lt;p&gt;The value is &lt;code&gt;Windows&lt;/code&gt; for Windows instances; otherwise blank.&lt;/p&gt;",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"PrivateDnsName" : {
    "c2jName" : "PrivateDnsName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. &lt;/p&gt; &lt;p&gt;&lt;EC2-VPC&gt; The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**&lt;p&gt;(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. &lt;/p&gt; &lt;p&gt;&lt;EC2-VPC&gt; The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.&lt;/p&gt;\n@param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. &lt;/p&gt; &lt;p&gt;&lt;EC2-VPC&gt; The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\n@returns Returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withPrivateDnsName",
    "getterDocumentation" : "/**&lt;p&gt;(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. &lt;/p&gt; &lt;p&gt;&lt;EC2-VPC&gt; The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.*/
    "getterMethodName" : "getPrivateDnsName",
    "setterDocumentation" : "/**&lt;p&gt;The value is &lt;code&gt;Windows&lt;/code&gt; for Windows instances; otherwise blank.&lt;/p&gt;
    "setterMethodName" : "setPrivateDnsName",
    "xmlNameSpaceUri" : null
}

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"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "PrivateDnsName",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "privateDnsName",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p>
EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "privateDnsName",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p>
EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.*/"
This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the `<code>running</code>` state.  

```xml
<param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the `<code>running</code>` state.  

```ec2-vpc```
The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.

```ui```
The private IPv4 address assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the `<code>running</code>` state.  

```ec2-vpc```
The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.

```
ui@return Returns a reference to this object so that method calls can be chained together.*"*/

```

```json
"variable": {
    "variableDeclarationType": "String",
    "variableName": "privateDnsName",
    "variableType": "String",
    "documentation": "<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the `<code>running</code>` state.  

```ec2-vpc```
The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.

```
ui@return Returns a reference to this object so that method calls can be chained together.*"*/

```

```json
"simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"privateIpAddress": {
    "c2jName": "PrivateIpAddress",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The private IPv4 address assigned to the instance.</p>

```

```json
"enumType": null,
"fluentSetterDocumentation": "/**<p>The private IPv4 address assigned to the instance.</p>

```

```json
"getterDocumentation": "/**<p>The private IPv4 address assigned to the instance.</p>

```

```json
"getterMethodName": "getPrivateIpAddress",
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,

```
"PrivateIpAddress" : { "variableDeclarationType" : "String", "variableName" : "privateIpAddress", "variableType" : "String", "documentation" : "The private IPv4 address assigned to the instance.", "simpleType" : "String", "variableSetterType" : "String" }, "simple" : true, "varargSetterDocumentation" : "The private IPv4 address assigned to the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n"}, "variable" : { "variableDeclarationType" : "String", "variableName" : "privateIpAddress", "variableType" : "String", "documentation" : "The private IPv4 address assigned to the instance.", "simpleType" : "String", "variableSetterType" : "String" }, "xmlNameSpaceUri" : null }, "ProductCodes" : { "c2jName" : "ProductCodes", "c2jShape" : "ProductCodeList", "deprecated" : false, "documentation" : "The product codes attached to this instance, if applicable.", "enumType" : null, "fluentSetterDocumentation" : "The product codes attached to this instance, if
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": false,
"simpleType": "ProductCode",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType": "java.util.List<ProductCode>"
},
"map": false,
"mapModel": null,
"name": "ProductCodes",
"setterDocumentation": "/**<p>The product codes attached to this instance, if applicable.</p>
@param productCodes The product codes attached to this instance, if applicable. */",
"setterMethodName": "setProductCodes",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName": "productCodes",
  "variableType": "java.util.List<ProductCode>",
  "documentation": "",
  "simple": false,
  "varargSetterDocumentation": "/**<p>The product codes attached to this instance, if applicable. This method appends the values to the existing list (if any). Use \{@link setProductCodes(java.util.Collection)\} or \{@link withProductCodes(java.util.Collection)\\} if you want to override the existing values. */\n@param productCodes The product codes attached to this instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together. */",
  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
    "variableName": "productCodes",
    "variableType": "java.util.List<ProductCode>",
    "documentation": "<p>The product codes attached to this instance, if applicable.</p>
    "simple": false,
    "varargSetterType": "java.util.Collection<ProductCode>"
  },
  "xmlNameSpaceUri": null
},
"PublicDnsName": {
  "c2jName": "PublicDnsName",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.\</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/*<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.\</p>\n@param publicDnsName The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.\n@return Returns a"
reference to this object so that method calls can be chained together.*"/",
  "fluentSetterMethodName" : "withPublicDnsName",
  "getterDocumentation" : "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>*/
  @return (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.*"/",
  "getterMethodName" : "getPublicDnsName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DnsName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "dnsName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "PublicDnsName",
  "setterDocumentation" : "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>*/
  @param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.*"/",
  "setterMethodName" : "setPublicDnsName",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicDnsName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
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"variableName": "publicDnsName",
"variableType": "String",
"documentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>"",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"PublicIpAddress": {
"c2jName": "PublicIpAddress",
"c2jShape": "String",
"deprecated": false,
"documentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withPublicIpAddress",
"getterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns The public IPv4 address assigned to the instance, if applicable.*"",
"getterMethodName": "getPublicIpAddress",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipAddress",
"xmlNameSpaceUri": null,
"varargSetterDocumentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
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"variableName": "publicDnsName",
"variableType": "String",
"documentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>"",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"PublicIpAddress": {
"c2jName": "PublicIpAddress",
"c2jShape": "String",
"deprecated": false,
"documentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withPublicIpAddress",
"getterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns The public IPv4 address assigned to the instance, if applicable.*"",
"getterMethodName": "getPublicIpAddress",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
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"header": false,
"isPayload": false,
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"statusCode": false,
"unmarshallLocationName": "ipAddress",
"xmlNameSpaceUri": null,
"varargSetterDocumentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType": "String",
"variableName": "publicDnsName",
"variableType": "String",
"documentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>"",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"PublicIpAddress": {
"c2jName": "PublicIpAddress",
"c2jShape": "String",
"deprecated": false,
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"enumType": null,
"fluentSetterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
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"getterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns The public IPv4 address assigned to the instance, if applicable.*"",
"getterMethodName": "getPublicIpAddress",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IpAddress",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipAddress",
"xmlNameSpaceUri": null,
"varargSetterDocumentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType": "String",
"variableName": "publicDnsName",
"variableType": "String",
"documentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>"",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"PublicIpAddress": {
"c2jName": "PublicIpAddress",
"c2jShape": "String",
"deprecated": false,
"documentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withPublicIpAddress",
"getterDocumentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/\n@returns The public IPv4 address assigned to the instance, if applicable.*"",
"getterMethodName": "getPublicIpAddress",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IpAddress",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipAddress",
"xmlNameSpaceUri": null,
"varargSetterDocumentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType": "String",
"variableName": "publicDnsName",
"variableType": "String",
"documentation": "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>"",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"PublicIpAddress": {
"c2jName": "PublicIpAddress",
"c2jShape": "String",
"deprecated": false,
"documentation": "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>*/",
"enumType": null,
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIpAddress",
"setterDocumentation" : "/**\n<p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable. */",
"setterMethodName" : "setPublicIpAddress",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "publicIpAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "publicIpAddress",
"variableType" : "String",
"documentation" : "<p>The public IPv4 address assigned to the instance, if applicable.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RamdiskId" : {
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The RAM disk associated with this instance, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The RAM disk associated with this instance, if applicable.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**\n<p>The RAM disk associated with this instance, if applicable.</p>
@return The RAM disk associated with this instance, if applicable. */",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String"}
"RootDeviceName" : {
  "c2jName" : "RootDeviceName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The root device name (for example, /dev/sda1 or /dev/xvda).
  
  @param rootDeviceName The root device name (for example, /dev/sda1 or /dev/xvda).
  @return Returns a reference to this object so that method calls can be chained together. */
  
  withRootDeviceName" : "withRootDeviceName",
  "getterDocumentation" : "/** The root device name (for example, /dev/sda1 or /dev/xvda).
  @return The root device name (for example, /dev/sda1 or /dev/xvda). */
  
  getRootDeviceName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RootDeviceName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "rootDeviceName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RootDeviceName",
  "setterDocumentation" : "/** The root device name (for example, /dev/sda1 or /dev/xvda).
  @param rootDeviceName The root device name (for example, /dev/sda1 or /dev/xvda).
  @return Returns a reference to this object so that method calls can be chained together. */
  
  withRootDeviceName",
  "setterMethodName" : "setRootDeviceName",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "rootDeviceName",
    "dependentFields" : [
      "RootDeviceName"
    ]
  }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "rootDeviceName",
"variableType" : "String",
"documentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RootDeviceType" : {
"c2jName" : "RootDeviceType",
"c2jShape" : "DeviceType",
"deprecated" : false,
"documentation" : "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
"enumType" : "DeviceType",
"fluentSetterDocumentation" : "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DeviceType*/",
"fluentSetterMethodName" : "withRootDeviceType",
"getterDocumentation" : "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@return The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@see DeviceType*/",
"getterMethodName" : "getRootDeviceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RootDeviceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "rootDeviceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceType",
"setterDocumentation" : "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.
@see DeviceType*/",
"setterMethodName" : "setRootDeviceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.
@return Returns a reference to this object so that method calls can be chained together.
@see DeviceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceType",
  "variableType" : "String",
  "documentation" : "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SecurityGroups" : {
  "c2jName" : "SecurityGroups",
  "c2jShape" : "GroupIdentifierList",
  "deprecated" : false,
  "documentation" : "<p>One or more security groups for the instance.</p>",
  "enumType" : "null",
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroups",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "securityGroups",
  "uri" : false
},
"SimpleType" : {
  "c2jName" : "SimpleType",
  "c2jShape" : "SimpleType",
  "documentation" : "A simple type.",
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SimpleType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "simpleType",
  "uri" : false
},
"tag" : {
  "variableDeclarationType" : "String",
  "variableName" : "tag"
},
"varargTag" : {
  "variableDeclarationType" : "String",
  "variableName" : "tag"
},
"xmlNameSpaceUri" : null
}
"fluentSetterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@return One or more security groups for the instance.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
   "returnType" : "java.util.List<com.amazonaws.model.GroupIdentifier>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "GroupSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "groupSet",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "GroupIdentifier",
      "deprecated" : false,
      "documentation" : ":",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "com.amazonaws.model.GroupIdentifier",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
         "location" : null,
         "marshallLocationName" : "GroupSet",
         "queryString" : false,
         "statusCode" : false,
         "unmarshallLocationName" : "groupSet",
         "uri" : false
      }
   }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>",
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security groups for the instance.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link 
#setSecurityGroups(java.util.Collection)] or [@link #withSecurityGroups(java.util.Collection)] if you want to
override the existing values.</p>
@param securityGroups One or more security groups for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "One or more security groups for the instance.",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null,
"SourceDestCheck" : {
"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether to enable an instance launched in a VPC to perform NAT. This
controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means
checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for
the instance to perform NAT. For more information, see &lt;a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether to enable an instance launched in a VPC to perform
NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.

### `<param>` sourceDestCheck

Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.

### `<returns>`

Returns a reference to this object so that method calls can be chained together.

### Fluent setter method name: `withSourceDestCheck`

### Getter documentation:

Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.

### Getter method name: `getSourceDestCheck`

### Getter model:

- **returnType**: `Boolean`
- **documentation**: null

### HTTP:

- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: `false`
- **greedy**: `false`
- **header**: `false`
- **isPayload**: `false`
- **isStreaming**: `false`
- **location**: null
- **marshallLocationName**: "SourceDestCheck"
- **queryString**: `false`
- **statusCode**: `false`
- **unmarshallLocationName**: "sourceDestCheck"
- **uri**: `false`

- **idempotencyToken**: `false`
- **list**: `false`
- **listModel**: null
- **map**: `false`
Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).

```java
@param sourceDestCheck Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).
```

```
@return Returns a reference to this object so that method calls can be chained together.
```

```
```

```java
@arg "variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html)."
```

```
```

```java
"setterModel" : {
"setterMethodModuleName" : "setSourceDestCheck",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html)."
```

```
```

```java
@returns Returns a reference to this object so that method calls can be chained together.
```

```
```

```java
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html)."
```

```
```

```java
"simpleType" : "Boolean",
```

```
```

```java
"setterDocumentation" : "/** Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).*/",
```

```
```

```java
"setterMethodName" : "setSourceDestCheck",
```

```
```

```java
"setterModel" : {
```

```
```

```java
"setterMethodModuleName" : "setSourceDestCheck",
```

```
```

```java
"setterMethodName" : "setSourceDestCheck",
```

```
```

```java
"setterModel" : {
```

```
```

```java
setterDocumentation" : "/** Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).*/",
```

```
```

```java
"setterMethodName" : "setSourceDestCheck",
```

```
```

```java
"setterModel" : {
```

```
```

```java
setterDocumentation" : "/** Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).*/",
```

```
```

```java
"setterMethodName" : "setSourceDestCheck",
```

```
```

```java
"setterModel" : {
```

```
```

```java
setterDocumentation" : "/** Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).*/",
```

```
```

```java
"setterMethodName" : "setSourceDestCheck",
```

```
```

```java
"setterModel" : {
```

```
```

```java
setterDocumentation" : "/** Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).*/",
```

```
```

```java
"setterMethodName" : "setSourceDestCheck",
```

```
```

```java
"setterModel" : {
```

```
```

```java
setterDocumentation" : "/** Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see [NAT Instances in the Amazon Virtual Private Cloud User Guide](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html).*/",
```
"variableSetterType" : "Boolean",
},
"xmlNameSpaceUri" : null
},
"SpotInstanceRequestId" : {
  "c2jName" : "SpotInstanceRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>If the request is a Spot instance request, the ID of the request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotInstanceRequestId",
  "getterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@return If the request is a Spot instance request, the ID of the request.*/",
  "getterMethodName" : "getSpotInstanceRequestId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotInstanceRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotInstanceRequestId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SpotInstanceRequestId",
  "setterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@return If the request is a Spot instance request, the ID of the request.*/",
  "setterMethodName" : "setSpotInstanceRequestId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "SpotInstanceRequestId",
  }
}
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the instance.</p>
@return The current state of the instance.</p>
*/",
"getterMethodName" : "getState",
"getterModel" : {
   "returnType" : "InstanceState",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceState",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "instanceState",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the instance.</p>
@param state The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
"setterMethodName" : "setState",
"setterModel" : {
   "variableDeclarationType" : "InstanceState",
   "variableName" : "state",
   "variableType" : "InstanceState",
   "documentation" : "",
   "simpleType" : "InstanceState",
   "variableSetterType" : "InstanceState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The current state of the instance.</p>
@param state The current state of the instance.
@suppress
@return Returns a reference to this object so that method calls can be chained together.</p>
*/
"variable" : {
   "variableDeclarationType" : "InstanceState",
   "variableName" : "state",
   "variableType" : "InstanceState",
   "documentation" : ""}
"simpleType": "InstanceState",
"variableSetterType": "InstanceState"
},
"xmlNameSpaceUri": null
},
"StateReason": {
"c2jName": "StateReason",
"c2jShape": "StateReason",
"deprecated": false,
"documentation": "<p>The reason for the most recent state transition.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The reason for the most recent state transition.</p>*/\n@param stateReason The reason for the most recent state transition.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStateReason",
"getterDocumentation": "/**<p>The reason for the most recent state transition.</p>*/\n@return The reason for the most recent state transition.*/",
"getterMethodName": "getStateReason",
"getterModel": {
"returnType": "StateReason",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StateReason",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "stateReason",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StateReason",
"setterDocumentation": "/**<p>The reason for the most recent state transition.</p>*/",
"setterMethodName": "setStateReason",
"setterModel": {
"variableDeclarationType": "StateReason",
"variableSetterType": "StateReason"
}}}
"variableName" : "stateReason",
"variableType" : "StateReason",
"documentation" : "",
"simpleType" : "StateReason",
"variableSetterType" : "StateReason"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The reason for the most recent state transition.</p>
@param stateReason The reason for the most recent state transition.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "StateReason",
"variableName" : "stateReason",
"variableType" : "StateReason",
"documentation" : "The reason for the most recent state transition. This might be an empty string.",
"simpleType" : "StateReason",
"variableSetterType" : "StateReason"
},
"xmlNameSpaceUri" : null
},
"StateTransitionReason" : {
"c2jName" : "StateTransitionReason",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The reason for the most recent state transition. This might be an empty string.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reason for the most recent state transition. This might be an empty string.</p>
@param stateTransitionReason The reason for the most recent state transition. This might be an empty string.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStateTransitionReason",
"getterDocumentation" : "/**<p>The reason for the most recent state transition. This might be an empty string.</p>
@return The reason for the most recent state transition. This might be an empty string.*/",
"getterMethodName" : "getStateTransitionReason",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Reason",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reason",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateTransitionReason",
"setterDocumentation" : "/**<p>The reason for the most recent state transition. This might be an empty string.</p>
@param stateTransitionReason The reason for the most recent state transition. This might be an empty string.*/",
"setterMethodName" : "setStateTransitionReason",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stateTransitionReason",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for the most recent state transition. This might be an empty string.</p>
@param stateTransitionReason The reason for the most recent state transition. This might be an empty string.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "stateTransitionReason",
  "variableType" : "String",
  "documentation" : "<p>The reason for the most recent state transition. This might be an empty string.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@return [EC2-VPC] The ID of the subnet in which the instance is running.*/",}
"getterMethodName" : "getSubnetId",
"getterModel" : {
  
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "SubnetId",

"setterDocumentation" : "/*\n[EC2-VPC] The ID of the subnet in which the instance is running.

@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.

@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setSubnetId",

"setterModel" : {
  
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/*
[EC2-VPC] The ID of the subnet in which the instance is running.

@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "[EC2-VPC] The ID of the subnet in which the instance is running.

"simpleType" : "String",
  "variableSetterType" : "String"}
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n * @return */",
"getMethodName": "getMember",
"getterModel": {
  "returnType": "Tag",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n * @param member 
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodDoc": "/**\n * @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "complexType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n * @param member \n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "complexType": "Tag",
  "variableSetterType": "Tag"
"xmlNameSpaceUri" : null
]
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag">
],
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
@param tags Any tags assigned to
the instance.*/
setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use [@link setTags(java.util.Collection)] or [@link
withTags(java.util.Collection)] if you want to override the existing values.</p>
@param tags Any tags assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "Any tags assigned to the instance.\n",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
].
"VirtualizationType" : {
"c2jName" : "VirtualizationType",
"c2jShape" : "VirtualizationType",
"deprecated" : false,
The virtualization type of the instance.

```java
@Getter
@Setter
public class VirtualizationType {
    private String virtualizationType;

    public VirtualizationType withVirtualizationType(String virtualizationType) {
        this.virtualizationType = virtualizationType;
        return this;
    }

    public String getVirtualizationType() {
        return virtualizationType;
    }

    public void setVirtualizationType(String virtualizationType) {
        this.virtualizationType = virtualizationType;
    }
}
```
calls can be chained together.\n@see VirtualizationType*/",
    "variable": {
        "variableDeclarationType": "String",
        "variableName": "virtualizationType",
        "variableType": "String",
        "documentation": "<p>The virtualization type of the instance.</p>",
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
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"VpcId": {
    "c2jName": "VpcId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
    @param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpcId",
    "getterDocumentation": "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
    @return [EC2-VPC] The ID of the VPC in which the instance is running.*/",
    "getterMethodName": "getVpcId",
    "getterModel": {
        "returnType": "String",
        "documentation": null
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        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "VpcId",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "vpcId",
        "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
    "documentation" : "<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Instance",
"unmarshaller" : {
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    "resultWrapper" : null
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    "variableName" : "instance",
    "variableType" : "Instance",
    "documentation" : null,
    "simpleType" : "Instance",
    "variableSetterType" : "Instance"
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"wrapper" : false
},
"InstanceAttribute" : {
    "c2jName" : "InstanceAttribute",
    "customization" : {

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"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
],
"deprecated" : false,
"documentation" : "\<p\>Describes an instance attribute.\</p\>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p\>The ID of the instance.\</p\>",
"enumType" : null,
"fluentSetterDocumentation" : "\*/\*\p\>The ID of the instance.\</p\>\n@method getInstanceId The ID of the instance.\</p\>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "\*/\*\p\>The ID of the instance.\</p\>\n@return The ID of the instance.\</p\>",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "InstanceType",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The instance type.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withInstanceType",
  "getterDocumentation": "/**<p>The instance type.</p>
@return The instance type.*/",
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  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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@param kernelId The kernel ID.
*/",
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"setterModel": {
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  "variableName": "kernelId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The kernel ID.</p>
@param kernelId The kernel ID
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
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  "variableName": "kernelId",
  "variableType": "String",
  "documentation": "The kernel ID.
  
  simpleType: String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
}
"c2jName": "RamdiskId",
"c2jShape": "String",
"deprecated": false,
"variableType" : "String",
"documentation" : "<p>The RAM disk ID.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The user data.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user data.</p>\n@param userData The user data.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "/**<p>The user data.</p>\n@return The user data.*/",
"getterMethodName" : "getUserData",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserData",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userData",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data.</p>\n@param userData The user data.*/",
"setterMethodName" : "setUserData",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String"}
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param userData The user data.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableType": "String",
    "documentation": "The user data.",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "DisableApiTermination",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.

## Get Methods

### Get DisableApiTermination

```
@GET
@Path("/disableApiTermination")
@Header("Authorization")
public DisableApiTermination getDisableApiTermination()
```

### With DisableApiTermination

```
@PUT
@Path("/disableApiTermination")
@Header("Authorization")
public DisableApiTermination withDisableApiTermination(Boolean disableApiTermination)
```

## Http Method

```
@GET
@Path("/disableApiTermination")
@Header("Authorization")
public DisableApiTermination getDisableApiTermination()
```

## Additional Marshalling/Unmarshalling

```
public @HttpMarshallingHandler
    @Path("/disableApiTermination")
    public void marshalDisableApiTermination(DisableApiTermination disableApiTermination)
```

## Additional Testing

```
public void testDisableApiTermination()
```

## Additional Classes

```
public class DisableApiTermination {
    private Boolean disableApiTermination;

    public DisableApiTermination(Boolean disableApiTermination) {
        this.disableApiTermination = disableApiTermination;
    }

    // Getters and Setters
```

## Additional Details

- **Description:**
  - The `DisableApiTermination` class is used to disable API termination for an instance.
  - It can be used to prevent users from terminating instances through the API.

- **Usage:**
  - This class is part of the Amazon EC2 API and can be used by developers to control instance termination.

- **Dependencies:**
  - Requires the Amazon EC2 library.

- **Example:**
  - To disable API termination for an instance, you can use the `withDisableApiTermination` method.

- **Further Reading:**
  - [Amazon EC2 API Documentation](https://docs.aws.amazon.com/AWSEC2/latest/APIReference/)
  - [AWS SDK for Java](https://aws.amazon.com/sdk-for-java/)

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"unmarshallLocationName" : "disableApiTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"setterDocumentation" : "/**<p>If the value is <code>true</code>, you can't terminate the instance through
the Amazon EC2 console, CLI, or API; otherwise, you can.<p>\n@param disableApiTermination If the value is
<code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you
can.*$/,",
"setterMethodName" : "setDisableApiTermination",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "disableApiTermination",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the value is <code>true</code>, you can't terminate the instance
through the Amazon EC2 console, CLI, or API; otherwise, you can.<p>\n@param disableApiTermination If the value is
<code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.in\n@return Returns a reference to this object so that method calls can be chained together.*$/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "disableApiTermination",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the
instance (using the operating system command for system shutdown).</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate
shutdown from the instance (using the operating system command for system shutdown).</p>
\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@return Returns a reference to this
object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
    "getterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/

    "getterMethodName" : "getInstanceInitiatedShutdownBehavior",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : "value",
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "InstanceInitiatedShutdownBehavior",
    "setterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/

    "setterMethodName" : "setInstanceInitiatedShutdownBehavior",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "instanceInitiatedShutdownBehavior",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/"};
instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

/**
 * Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
 */

public String instanceInitiatedShutdownBehavior;

/**
 * Returns a reference to this object so that method calls can be chained together.
 */

public instanceInitiatedShutdownBehavior withInstanceInitiatedShutdownBehavior(String instanceInitiatedShutdownBehavior);

getters and setters for instanceInitiatedShutdownBehavior:
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceName",
"setterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",
"setterMethodName" : "setRootDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).<p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "rootDeviceName",
    "variableType" : "String",
    "documentation" : "<p>The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "InstanceBlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>The block device mapping of the instance.</p>

@param blockDeviceMappings The block device mapping of the instance.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
    "documentation" : "<p>The block device mapping of the instance.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The block device mapping of the instance.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
    "documentation" : "<p>The block device mapping of the instance.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The block device mapping of the instance.</p>

@return The block device mapping of the instance.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
    "documentation" : "<p>The block device mapping of the instance.</p>
    "enumType" : null,"
"setterDocumentation" : "/**<p>The block device mapping of the instance.</p>
@param blockDeviceMappings The block device mapping of the instance.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "java.util.List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The block device mapping of the instance.</p>
  <b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setBlockDeviceMappings(java.util.Collection) or @link #withBlockDeviceMappings(java.util.Collection) if you want to override the existing values.
  @param blockDeviceMappings The block device mapping of the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
    "documentation" : "<p>The block device mapping of the instance.</p>
    "simpleType" : "List<InstanceBlockDeviceMapping>",
    "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>",
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeList",
"deprecated" : false,
"documentation" : "<p>A list of product codes.</p>
    "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of product codes.</p>
    @param productCodes A list of product codes.
    @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCodes",
  "getterDocumentation" : "/**<p>A list of product codes.</p>
    @return A list of product codes.
    @param productCodes A list of product codes.
    @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getProductCodes",
  "getterModel" : {
    "returnType" : "java.util.List<ProductCode>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductCodes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productCodes",
"uri" : false)
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ProductCode",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>"
},
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**\n<p>A list of product codes.</p>
@param productCodes A list of product codes.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>"
}
"variableSetterType" : "java.util.Collection<ProductCode>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setProductCodes(java.util.Collection)} or { @link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>\n@param productCodes
A list of product codes.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "<p>A list of product codes.</p>
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>",
"xmlNameSpaceUri" : null
},
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@return Indicates whether the instance is optimized for EBS I/O.</p>
"getterMethodName" : "getEbsOptimized",
"getterModel" : {

"returnType" : "Boolean",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EbsOptimized",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ebsOptimized",
"uri" : false
},
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@param
ebsOptimized Indicates whether the instance is optimized for EBS I/O.*/",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@param
ebsOptimized Indicates whether the instance is optimized for EBS I/O.<n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SriovNetSupport",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.<n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSriovNetSupport",
  "getterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "getterMethodName" : "getSriovNetSupport",
  "getterModel" : {
    "returnType" : "String",
  }
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SriovNetSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sriovNetSupport",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",

"setterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether enhanced networking with ENA is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@param enaSupport Indicates whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@return Indicates whether enhanced networking with ENA is enabled.*/",
"getterMethodName" : "getEnaSupport",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EnaSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "enaSupport",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@param enaSupport Indicates whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnaSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : ""
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@param enaSupport Indicates whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "enaSupport",
"variableType": "Boolean",
"documentation": "/p>Indicates whether enhanced networking with ENA is enabled.</p>
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"c2jName": "SourceDestCheck",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT."*/",
"fluentSetterDocumentation": "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\n@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName": "withSourceDestCheck",
"getterDocumentation": "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\n@return Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/",
"getMethodName": "getSourceDestCheck",
"getModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": "Value",
"additionalUnmarshallingPath": "value",
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceDestCheck",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>*/
@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>*/
@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"},
"xmlNameSpaceUri" : null
"c2jName" : "Groups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "&lt;p&gt;The security groups associated with the instance.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The security groups associated with the instance.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**&lt;p&gt;The security groups associated with the instance.&lt;/p&gt;\n@returns The security groups associated with the instance.*\n",
"getterMethodName" : "getGroups",
"getterModel" : {
  "returnType" : "java.util.List&lt;GroupIdentifier&gt;",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List&lt;GroupIdentifier&gt;",
      "documentation" : null
    }
  }
}
"getterModel" : {
  "returnType" : "GroupIdentifier",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The security groups associated with the instance.</p>
@param groups The security groups associated with the instance.
*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The security groups associated with the instance.</p>
@></b>NOTE:<b> This method appends the values to the existing list (if any). Use { @link #setGroups(java.util.Collection}) or { @link #withGroups(java.util.Collection) if you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "The security groups associated with the instance.<p>
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlnsNameSpaceUri" : null
}],
"membersAsMap" : {
  "BlockDeviceMappings" : {
    "c2jName" : "BlockDeviceMappings",
    "c2jShape" : "InstanceBlockDeviceMappingList",
    "deprecated" : false,
    "documentation" : "The block device mapping of the instance."}
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The block device mapping of the instance.</p>
@param blockDeviceMappings The block device mapping of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>The block device mapping of the instance.</p>
@return The block device mapping of the instance.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<InstanceBlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceBlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceBlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceBlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "InstanceBlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "InstanceBlockDeviceMapping",
  "variable SetterType" : "InstanceBlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceBlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "InstanceBlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "InstanceBlockDeviceMapping",
  "variable SetterType" : "InstanceBlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceBlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceBlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
"templateType" : "java.util.List<InstanceBlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**
 * The block device mapping of the instance.
 */
@param blockDeviceMappings The block device mapping of the instance.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * The block device mapping of the instance.
 */
NOTE:
This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "The block device mapping of the instance.
",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"xmlnsNamespaceUri" : null
},
"DisableApiTermination" : {
  "c2jName" : "DisableApiTermination",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
 * If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName": "withDisableApiTermination",
"getterDocumentation": "/**<p> If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.</p>*/
@return If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can. */",
"getterMethodName": "getDisableApiTermination",
"getterModel": {
    "returnType": "Boolean",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": "Value",
    "additionalUnmarshallingPath": "value",
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "DisableApiTermination",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "disableApiTermination",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DisableApiTermination",
"setterDocumentation": "/**<p> If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.</p>*/
@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can. */",
"setterMethodName": "setDisableApiTermination",
"setterModel": {
    "variableDeclarationType": "Boolean",
    "variableName": "disableApiTermination",
    "variableType": "Boolean",
    "documentation": "",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p> If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.</p>*/
@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can. */
@return Returns a reference to this object so that method calls can be chained together. */"
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "disableApiTermination",
  "variableType": "Boolean",
  "documentation": "If the value is "true", you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can."
},
"xmlNameSpaceUri": null
},
"EbsOptimized": {
  "c2jName": "EbsOptimized",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "Indicates whether the instance is optimized for EBS I/O.
  
  @param ebsOptimized Indicates whether the instance is optimized for EBS I/O.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @fluentSetterMethodName": "withEbsOptimized",
  "getterDocumentation": "Indicates whether the instance is optimized for EBS I/O.
  
  @return Indicates whether the instance is optimized for EBS I/O.*"/",
  "getterMethodName": "getEbsOptimized",
  "getterModel": {
    "returnType": "Boolean",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": "Value",
    "additionalUnmarshallingPath": "value",
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "EbsOptimized",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ebsOptimized",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**\nIndicates whether the instance is optimized for EBS I/O.\n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O.*/",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nIndicates whether the instance is optimized for EBS I/O.\n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the instance is optimized for EBS I/O.\n",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"EnaSupport" : {
  "c2jName" : "EnaSupport",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Indicates whether enhanced networking with ENA is enabled.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nIndicates whether enhanced networking with ENA is enabled.\n@param enaSupport Indicates whether enhanced networking with ENA is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEnaSupport",
  "getterDocumentation" : "/**\nIndicates whether enhanced networking with ENA is enabled.\n@return Indicates whether enhanced networking with ENA is enabled.*/",
  "getterMethodName" : "getEnaSupport",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
Indicates whether enhanced networking with ENA is enabled.

**getterDocumentation**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean getEnaSupport();
```

**setterDocumentation**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public void setEnaSupport(boolean enaSupport);
```

**getterSetterDocumentation**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean isEnaSupport();
```

**setterSetterDocumentation**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public void setEnaSupport(boolean enaSupport);
```

**simpleType**:

```java
public boolean getEnaSupport();
```

**variable**:

```java
public boolean getEnaSupport();
```

**doc**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean isEnaSupport();
```

**variable**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public void setEnaSupport(boolean enaSupport);
```

**simple**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean isEnaSupport();
```

**varargSetterDocumentation**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean setEnaSupport(boolean enaSupport);
```

**simple**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean isEnaSupport();
```

**xmlNameSpaceUri**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean isEnaSupport();
```

**Groups**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean isEnaSupport();
```

**doc**:

```java
/** Indicates whether enhanced networking with ENA is enabled. */

public boolean isEnaSupport();
```
The security groups associated with the instance.

@return Returns a reference to this object so that method calls can be chained together.*"},
    "fluentSetterMethodName" : "withGroups",
    "getterDocumentation" : "/**\* The security groups associated with the instance.\*/",
    "getterMethodName" : "getGroups",
    "getterModel" : {
        "returnType" : "java.util.List<GroupIdentifier>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "GroupSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "groupSet",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "GroupIdentifier",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n @param member \n @return Returns a reference to this object so that method calls can be chained together.*"",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n @return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "GroupIdentifier",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>",
}
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The security groups associated with the instance.</p>
@param groups The security groups associated with the instance.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
 "variableName" : "groups",
 "variableType" : "java.util.List<GroupIdentifier>",
 "documentation" : "",
 "simpleType" : "List<GroupIdentifier>",
 "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The security groups associated with the instance.</p>
@param groups The security groups associated with the instance. The security groups associated with the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
 "variableName" : "groups",
 "variableType" : "java.util.List<GroupIdentifier>",
 "documentation" : "<p>The security groups associated with the instance.</p>",
 "simpleType" : "List<GroupIdentifier>",
 "variableSetterType" : "java.util.Collection<GroupIdentifier>",
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
 "c2jName" : "InstanceId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the instance.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withInstanceId",
 "getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
 "getMethodName" : "getInstanceId",
 "getterModel" : {
 "returnType" : "String",
}
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  7348
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/** <p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).<p>\n@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/",
"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceInitiatedShutdownBehavior",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/** <p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
    "variableDeclarationType" : "String",
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceInitiatedShutdownBehavior",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/** <p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
    "variableDeclarationType" : "String",
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceInitiatedShutdownBehavior",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/** <p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
    "variableDeclarationType" : "String",
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceInitiatedShutdownBehavior",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/** <p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
    "variableDeclarationType" : "String",
"http" : {
    "additionalMarshallingPath" : "Value",
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"variableName": "instanceInitiatedShutdownBehavior",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether an instance stops or terminates when you initiate
shutdown from the instance (using the operating system command for system shutdown).
</p>\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType": "String",
"variableName": "instanceInitiatedShutdownBehavior",
"variableType": "String",
"documentation": "<p>Indicates whether an instance stops or terminates when you initiate shutdown from
the instance (using the operating system command for system shutdown).</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"InstanceType": {
"c2jName": "InstanceType",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The instance type.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The instance type.</p>\n@param instanceType The instance
type.\n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withInstanceType",
"getterDocumentation": "/**<p>The instance type.</p>\n@return The instance type.*"",
"getterMethodName": "getInstanceType",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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   }
}
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```

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    "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"ProductCodes": {
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    "c2jShape": "ProductCodeList",
```

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  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>",
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  "enumType" : null,
  "fluentSetterDocumentation" : "<p>The RAM disk ID.</p>
@param ramdiskId The RAM disk ID.*/",
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  "getterDocumentation" : "<p>The RAM disk ID.</p>
@return The RAM disk ID.*/",
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  "getterModel" : {
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  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>",
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  "header" : false,
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",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String"
}
The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). Returns a reference to this object so that method calls can be chained together. */

The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

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Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */

Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. Returns a reference to this object so that method calls can be chained together. */
### setterDocumentation

**Indicates whether source/destination checking is enabled. A value of<br>**

- **true**: checking is enabled, and **false**: checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```java
@Param sourceDestCheck Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

- **setterMethodName**: `setSourceDestCheck`
- **setterModel**: 
  ```java
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
  },
  "simple": true,
  "varargSetterDocumentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

- **variable**: 
  ```java
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
  },
  "simple": true,
  "varargSetterDocumentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

"additionalUnmarshallingPath": "value",
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"greedy": false,
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"queryString": false,
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"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceDestCheck",
"variable": 
  ```java
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

"setterDocumentation": 
  ```java
  **Indicates whether source/destination checking is enabled. A value of<br>**

- **true**: checking is enabled, and **false**: checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

- **setterMethodName**: `setSourceDestCheck`
- **setterModel**: 
  ```java
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
  },
  "simple": true,
  "varargSetterDocumentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

- **variable**: 
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  { 
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
  },
  "simple": true,
  "varargSetterDocumentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

"additionalUnmarshallingPath": "value",
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"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
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"uri": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceDestCheck",
"variable": 
  ```java
  { 
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  "variableName": "sourceDestCheck",
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  "documentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

"setterDocumentation": 
  ```java
  **Indicates whether source/destination checking is enabled. A value of<br>**

- **true**: checking is enabled, and **false**: checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

- **setterMethodName**: `setSourceDestCheck`
- **setterModel**: 
  ```java
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "",
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  "variableSetterType": "Boolean"
  },
  "simple": true,
  "varargSetterDocumentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```

- **variable**: 
  ```java
  { 
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  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "Indicates whether source/destination checking is enabled. A value of **true** means checking is enabled, and **false** means checking is disabled. This value must be **false** for a NAT instance to perform NAT.

```
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"variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
},
"SriovNetSupport": {
"c2jName": "SriovNetSupport",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>*/",
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@return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>*/",
"getterMethodName": "getSriovNetSupport",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SriovNetSupport",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "sriovNetSupport",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SriovNetSupport",
"setterDocumentation": "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName": "withSriovNetSupport",
"setterModel": {
"returnType": "String",
"documentation": null
},
"simpleType": "String",
"variableSetterType": "String"
}
Virtual Function interface is enabled. */", 
  "setterMethodName" : "setSriovNetSupport",
  "setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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  "simple" : true,
  "varargSetterDocumentation" : "/** <p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p> 
  @param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled. 
  @return Returns a reference to this object so that method calls can be chained together. */",
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  "c2jShape" : "String",
  "deprecated" : false,
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  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>The user data.</p> 
  @param userData The user data. 
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withUserData",
  "getterDocumentation" : "/** <p>The user data.</p> 
  @return The user data. 
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  "getterModel" : {
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    "documentation" : null
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"variableSetterType" : "String"
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"simpleType" : "String",
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"skipGeneratingUnmarshaller" : false
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"fluentSetterDocumentation": "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n\n@returns Returns a reference to this object so that method calls can be chained together.*/\n",
"fluentSetterMethodName": "withDeviceName",
"getterDocumentation": "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n\n@returns The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/\n",
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"getterModel": { 
  "returnType": "String",
  "documentation": null
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "DeviceName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "deviceName",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name" : "DeviceName",
"setterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).*/",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or 
<code>xvdh</code>).</p>",
  "simpleType" : "String",
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"xmlNameSpaceUri" : null,
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"deprecated" : false,
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>\n@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbs",
"getterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.\n@return Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
"getterMethodName" : "getEbs",
"getterModel" : {
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  "documentation" : null
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"isStreaming" : false,
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@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.*/",
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    "variableType" : "EbsInstanceBlockDevice",
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    "variableSetterType" : "EbsInstanceBlockDevice"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "EbsInstanceBlockDevice",
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"fluentSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>
@param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceName",
"getterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>
@return The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/",
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deviceName",
  "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>
@param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n*/",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). 
@return Returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "String",
"documentation" : "The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).",
"simpleType" : "String",
"variableSetterType" : "String"
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"Ebs" : {
"c2jName" : "Ebs",
"c2jShape" : "EbsInstanceBlockDevice",
"deprecated" : false,
"documentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.
"p">

"enumType" : null,
"fluentSetterDocumentation" : "/** Parameters used to automatically set up EBS volumes when the instance is launched. */
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withEbs",
"getterDocumentation" : "/** Parameters used to automatically set up EBS volumes when the instance is launched. */
@return Parameters used to automatically set up EBS volumes when the instance is launched.
"p">

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"documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "Ebs",

"xmlNameSpaceUri" : null
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"map" : false,
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"name" : "Ebs",
"setterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p><p>}</p><b>@param ebs</b> Parameters used to automatically set up EBS volumes when the instance is launched.
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  "variableType" : "EbsInstanceBlockDevice",
  "documentation" : "",
  "simpleType" : "EbsInstanceBlockDevice",
  "variableSetterType" : "EbsInstanceBlockDevice"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p><p>}</p><b>@param ebs</b> Parameters used to automatically set up EBS volumes when the instance is launched.<br><b>@return</b> Returns a reference to this object so that method calls can be chained together.
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  "simpleType" : "EbsInstanceBlockDevice",
  "variableSetterType" : "EbsInstanceBlockDevice"
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"wrapper": false
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "Describes a block device mapping entry."
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"enums": null,
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"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
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"c2jName": "DeviceName",
"c2jShape": "String",
"deprecated": false,
"documentation": "The device name exposed to the instance (for example, /dev/sdh or xvdh).",
"enumType": null,
"fluentSetterDocumentation": "The device name exposed to the instance (for example, /dev/sdh or xvdh).
@param deviceName The device name exposed to the instance (for example, /dev/sdh or xvdh).
@return Returns a reference to this object so that method calls can be chained together.
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"fluentSetterMethodName": "withDeviceName",
"getterDocumentation": "The device name exposed to the instance (for example, /dev/sdh or xvdh).
@return The device name exposed to the instance (for example, /dev/sdh or xvdh).
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"getterModel": {
"returnType": "String",
"documentation": null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceName",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param deviceName The device name exposed to the instance (for example, \n<code>/dev/sdh</code> or <code>xvdh</code>).\n\n@return Returns a reference to this object so that method calls can be chained together.\n\*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Ebs",
"c2jShape" : "EbsInstanceBlockDeviceSpecification",
"deprecated" : false,
"documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbs",
"getterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@return Parameters used to automatically set up EBS volumes when the instance is launched.*/",
"getterMethodName" : "getEbs",
"getterModel" : {
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"documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEbs",
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"variableSetterType" : "EbsInstanceBlockDeviceSpecification"
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* @param virtualName The virtual device name.
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  "variableName" : "virtualName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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* @param virtualName The virtual device name.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "String",
  "documentation" : "The virtual device name.
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "NoDevice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n* suppress the specified device included in the block device mapping.
* @param noDevice suppress the specified device included in the block device mapping.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"getterDocumentation" : "suppress the specified device included in the block device mapping.
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@param noDevice suppress the specified device included in the block device mapping.
@return
Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableSetterType" : "String"
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@param noDevice suppress the specified device included in the block device mapping.
@return
Returns a reference to this object so that method calls can be chained together.
*/",
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  "documentation" : "<p>suppress the specified device included in the block device mapping.</p>",
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>"}
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  "documentation" : null
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    @param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n    @return Returns a reference to this object so that method calls can be chained together.
    
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        "unmarshallLocationName" : "ebs",
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  "variableSetterType" : "EbsInstanceBlockDeviceSpecification"
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  "simpleType" : "EbsInstanceBlockDeviceSpecification",
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  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The virtual device name.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The virtual device name.</p>
@todo virtualName The virtual device name.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "getterDocumentation" : "/**<p>The virtual device name.</p>
@todo virtualName The virtual device name.*\*/",
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  "mapModel" : null,
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    "variableSetterType" : "String"
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@param virtualName The virtual device name.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "InstanceBlockDeviceMappingSpecification",
  "documentation" : null,
  "simpleType" : "InstanceBlockDeviceMappingSpecification",
  "variableSetterType" : "InstanceBlockDeviceMappingSpecification"
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    "skipGeneratingUnmarshaller" : false
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@param instanceType The instance type size supported by the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The instance type size supported by the Dedicated Host.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType": "String",
    "variableSetterType": "String"
  }
}]}
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@param
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  "variableSetterType": "Integer"
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"varargSetterDocumentation": "/**<p>The number of instances that can still be launched onto the Dedicated Host.</p>*/
@param availableCapacity The number of instances that can still be launched onto the Dedicated Host.

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  "fluentSetterDocumentation": "/**<p>The total number of instances that can be launched onto the Dedicated Host.</p>*/
@return Returns a reference to this object so that method calls can be chained together.*/

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@return The total number of instances that can be launched onto the Dedicated Host.

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@param totalCapacity The total number of instances that can be launched onto the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/
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@param totalCapacity The total number of instances that can be launched onto the Dedicated Host.
@returns Returns a reference to this object so that method calls can be chained together.*/
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@returns Returns a reference to this object so that method calls can be chained together.*/",
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@return The number of instances that can still be launched onto the Dedicated Host.*/",
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@return The number of instances that can still be launched onto the Dedicated Host.*/",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n* The instance type size supported by the Dedicated Host.\n*\n* @param instanceType The instance type size supported by the Dedicated Host.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "documentation" : "The total number of instances that can be launched onto the Dedicated Host.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* The total number of instances that can be launched onto the Dedicated Host.\n*\n* @param totalCapacity The total number of instances that can be launched onto the Dedicated Host.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTotalCapacity",
  "getterDocumentation" : "/**\n* The total number of instances that can be launched onto the Dedicated Host.\n*\n* @return The total number of instances that can be launched onto the Dedicated Host.*/",
  "getterMethodName" : "getTotalCapacity",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
  }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TotalCapacity",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "totalCapacity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TotalCapacity",
"setterDocumentation" : "/*<p>The total number of instances that can be launched onto the Dedicated Host.</p>*/\n@param totalCapacity The total number of instances that can be launched onto the Dedicated Host.*"",
"setterMethodName" : "setTotalCapacity",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalCapacity",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The total number of instances that can be launched onto the Dedicated Host.</p>*/\n@param totalCapacity The total number of instances that can be launched onto the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalCapacity",
  "variableType" : "Integer",
  "documentation" : "<p>The total number of instances that can be launched onto the Dedicated Host.</p>"",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceCapacity"
"unmarshaller" : {
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    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "InstanceCapacity",
    "variableName" : "instanceCapacity",
    "variableType" : "InstanceCapacity",
    "documentation" : null,
    "simpleType" : "InstanceCapacity",
    "variableSetterType" : "InstanceCapacity"
},
"wrapper" : false
},
"InstanceCount" : {
    "c2jName" : "InstanceCount",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "&lt;p&gt;Describes a Reserved Instance listing state.&lt;/p&gt;",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
        {"c2jName" : "State",
         "c2jShape" : "ListingState",
         "deprecated" : false,
         "documentation" : "&lt;p&gt;The states of the listed Reserved Instances.&lt;/p&gt;",
         "enumType" : "ListingState",
         "fluentSetterDocumentation" : "/\*\*&lt;p&gt;The states of the listed Reserved Instances.&lt;/p&gt;\n@\*\*\*\n@param state The states of the listed Reserved Instances.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;\*/",
         "fluentSetterMethodName" : "withState",
         "getterDocumentation" : "/\*\*&lt;p&gt;The states of the listed Reserved Instances.&lt;/p&gt;\n@returns The states of the listed Reserved Instances.&lt;/p&gt;\n@illatorReferences this object so that method calls can be chained together.&lt;/p&gt;\*/",
         "getterMethodName" : "getState",
         "getterModel" : {
             "returnType" : "String",
             "documentation" : null
         }
    }
}
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
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  "location": null,  
  "marshallLocationName": "State",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "state",  
  "uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "State",  
"setterDocumentation": "/**\n@\n@param state The states of the listed Reserved Instances.\n@see ListingState*/",  
"setterMethodName": "setState",  
"setterModel": {  
  "variableDeclarationType": "String",  
  "variableName": "state",  
  "variableType": "String",  
  "documentation": "",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/**\n@\n@param state The states of the listed Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ListingState*/",  
"variable": {  
  "variableDeclarationType": "String",  
  "variableName": "state",  
  "variableType": "String",  
  "documentation": "",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"xmlNameSpaceUri": null
},
"c2jName": "InstanceCount", 
"c2jShape": "Integer", 
"additionalMarshallingPath": null, 
"additionalUnmarshallingPath": null, 
"flattened": false, 
"greedy": false, 
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"isPayload": false, 
"isStreaming": false, 
"location": null, 
"marshallLocationName": "State", 
"queryString": false, 
"statusCode": false, 
"unmarshallLocationName": "state", 
"uri": false 
}
The number of listed Reserved Instances in the state specified by the `<code>state</code>`.

```java
public @param instanceCount The number of listed Reserved Instances in the state specified by the `<code>state</code>

@return Returns a reference to this object so that method calls can be chained together.

**setterDocumentation**: "/**<p>The number of listed Reserved Instances in the state specified by the `<code>state</code>`.

@returns The number of listed Reserved Instances in the state specified by the `<code>state</code>`.

**getterMethodName**: "getInstanceCount",
**getterModel**: {
  "returnType": "Integer",
  "documentation": null
},

**http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "instanceCount",
  "uri": false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "InstanceCount",

**setterDocumentation**: "/**<p>The number of listed Reserved Instances in the state specified by the `<code>state</code>`.

@returns The number of listed Reserved Instances in the state specified by the `<code>state</code>`.

**setterMethodName**: "setInstanceCount",
**setterModel**: {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
}
"variableSetterType" : "Integer",
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The number of listed Reserved Instances in the state specified by the
</code>state</code>.</p>
@param instanceCount The number of listed Reserved Instances in the state specified by
the <code>state</code>.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceCount" : {
    "c2jName" : "InstanceCount",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**
<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>
@param instanceCount The number of listed Reserved Instances in the state specified by
the <code>state</code>.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withInstanceCount",
  "getterDocumentation" : "/**
<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>
@return The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p> */",
  "getterMethodName" : "getInstanceCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
  }}
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of listed Reserved Instances in the state specified by the <code>state</code>.</p>
@param instanceCount The number of listed Reserved Instances in the state specified by the <code>state</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of listed Reserved Instances in the state specified by the <code>state</code>.</p>
@param instanceCount The number of listed Reserved Instances in the state specified by the <code>state</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of listed Reserved Instances in the state specified by the <code>state</code>.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "ListingState",
  "deprecated" : false,
  "documentation" : "<p>The states of the listed Reserved Instances.</p>",
  "enumType" : "ListingState",
  "fluentSetterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>
@param state The states of the listed Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "name" : "ListingState",
  "setterDocumentation" : "/**<p>The states of the listed Reserved Instances in the state specified by the <code>state</code>.</p>
@param state The states of the listed Reserved Instances in the state specified by the <code>state</code>.
@return Returns a reference to this object so that method calls can be chained together.*/"}
chained together.

```typescript
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>\n\n@return The states of the listed Reserved Instances.</p>\n\n@see ListingState*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "state",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>\n\n@param state The states of the listed Reserved Instances.
\n@see ListingState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>\n\n@param state The states of the listed Reserved Instances.
\n@return Returns a reference to this object so that method calls can be chained together.
\n@see ListingState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
```
"variableType" : "String",
"documentation" : "&lt;p&gt;The states of the listed Reserved Instances.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceCount",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstanceCount",
  "variableName" : "instanceCount",
  "variableType" : "InstanceCount",
  "documentation" : null,
  "simpleType" : "InstanceCount",
  "variableSetterType" : "InstanceCount"
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"wrapper" : false
},
"InstanceExportDetails" : {
  "c2jName" : "InstanceExportDetails",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Describes an instance to export.&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [{
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The ID of the resource being exported.&lt;/p&gt;",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : []
  }]}
"enumType": null,
"fluentSetterDocumentation": "/**
 * The ID of the resource being exported.
 * @param instanceId The ID of the resource being exported.
 * @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "/**
 * The ID of the resource being exported.
 * @return The ID of the resource being exported. */",
"getterMethodName": "getInstanceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**
 * The ID of the resource being exported.
 * @param instanceId The ID of the resource being exported.
 * @return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName": "setInstanceId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "instanceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The ID of the resource being exported.
 * @param instanceId The ID of the resource being exported.
 * @return Returns a reference to this object so that method calls can be chained together. */"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the resource being exported.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
    "c2jName" : "TargetEnvironment",
    "c2jShape" : "ExportEnvironment",
    "deprecated" : false,
    "documentation" : "<p>The target virtualization environment.</p>",
    "enumType" : "ExportEnvironment",
    "fluentSetterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment
@return Returns a reference to this object so that method calls can be chained together.

@see ExportEnvironment*/",
    "fluentSetterMethodName" : "withTargetEnvironment",
    "getterDocumentation" : "/**<p>The target virtualization environment.</p>
@return The target virtualization environment.
@see ExportEnvironment*/",
    "getterMethodName" : "getTargetEnvironment",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "TargetEnvironment",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "targetEnvironment",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "TargetEnvironment",
    "setterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment
@return Returns a reference to this object so that method calls can be chained together.

@see ExportEnvironment*/"
target virtualization environment.\n@see ExportEnvironment*/

setterMethodName" : "setTargetEnvironment",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "targetEnvironment",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment
The target virtualization environment.\n@return Returns a reference to this object so that method calls can be
chained together.\n@see ExportEnvironment*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "targetEnvironment",
    "variableType" : "String",
    "documentation" : "\p The target virtualization environment.\n\p \return Returns a reference to this object so that method calls can be
chained together.\n@see ExportEnvironment*/",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} },
"membersAsMap" : {
    "InstanceId" : {
        "c2jName" : "InstanceId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "\p The ID of the resource being exported.\n\p \return The ID of the resource
being exported.\n\p @return Returns a reference to this object so that method calls can be
chained together."",
        "fluentSetterDocumentation" : "/**<p>The ID of the resource being exported.\n\p @return Returns a reference to this object so that method calls can be
chained together."",
        "fluentSetterMethodName" : "withInstanceId",
        "getterDocumentation" : "\p The ID of the resource being exported.\n\p @return The ID of the resource
being exported.\n\p @return Returns a reference to this object so that method calls can be
chained together."",
        "getterMethodName" : "getInstanceId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
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"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of the resource being exported.</p>
@param instanceId The ID of the resource being exported.*\*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\<p>The ID of the resource being exported.</p>\n@param instanceId The ID of the resource being exported.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the resource being exported.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"TargetEnvironment": {
  "c2jName": "TargetEnvironment",
  "c2jShape": "ExportEnvironment",
  "deprecated": false,
  "documentation": "<p>The target virtualization environment.</p>",
  "enumType": "ExportEnvironment",
  "fluentSetterDocumentation": "/*\<p>The target virtualization environment.</p>\n@param targetEnvironment The target virtualization environment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "targetEnvironment",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  }
}
calls can be chained together.\n@see ExportEnvironment*/",  
"fluentSetterMethodName" : "withTargetEnvironment",  
"getterDocumentation" : "/**<p>The target virtualization environment.</p>
@return The target virtualization environment.\n@see ExportEnvironment*/",  
"getterMethodName" : "getTargetEnvironment",  
"getterModel" : {  
"returnType" : "String",
"documentation" : null
},  
"http" : {  
"additionalMarshallingPath" : null,  
"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
"location" : null,  
"marshallLocationName" : "TargetEnvironment",
"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "targetEnvironment",
"uri" : false
},  
"idempotencyToken" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "TargetEnvironment",
"setterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.\n@see ExportEnvironment*/",  
"setterMethodName" : "setTargetEnvironment",  
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "targetEnvironment",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},  
"simple" : true,  
"varargSetterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.\n@see ExportEnvironment*/",  
"variable" : {  
"variableDeclarationType" : "String",
"variableName" : "targetEnvironment",
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"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "InstanceHealthStatus",
"unmarshaller" : { 
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 "resultWrapper" : null 
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 "variableType" : "InstanceHealthStatus",
 "documentation" : null,
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 "variableSetterType" : "InstanceHealthStatus" 
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"wrapper" : false 
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 "artificialResultWrapper" : null,
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 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false 
},
 "deprecated" : false,
 "documentation" : "<p>Describes an IPv6 address.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ ]
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 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The IPv6 address.</p>",
 "enumType" : null,
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 "fluentSetterMethodName" : "withIpv6Address",
 "getterDocumentation" : "/**<p>The IPv6 address.</p><p>@return The IPv6 address.</p>*/",Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  7404
"getterMethodName" : "getIpv6Address",
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  "documentation" : null
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  "statusCode" : false,
  "unmarshallLocationName" : "ipv6Address",
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"listModel" : null,
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The IPv6 address.",
        "getterMethodName": "getIpv6Address",
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            "documentation": null
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            "greedy": false,
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            "statusCode": false,
            "unmarshallLocationName": "ipv6Address",
            "uri": false
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        "list": false,
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        "map": false,
        "mapModel": null,
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            "variableType": "String",
            "documentation": "",
            "simpleType": "String",
            "variableSetterType": "String"
        }
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
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"shapeName" : "InstanceIpv6Address",
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  "variableSetterType" : "InstanceIpv6Address"
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    "skipGeneratingUnmarshaller" : false
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    { "name" : "Scheduled", "value" : "scheduled" }]}
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"enumType" : null,
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  "isStreaming" : false,
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  "unmarshallLocationName" : "instanceId",
  "uri" : false
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  "variableName" : "instanceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"documentation" : "",
"simpleType" : "Monitoring",
"variableSetterType" : "Monitoring"
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"variableType" : "Monitoring",
"documentation" : "The monitoring for the instance.\p",
"simpleType" : "Monitoring",
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 "fluentSetterMethodName" : "withInstanceId",
 "getterDocumentation" : "/**\p The ID of the instance.\n@return The ID of the instance.*/",
 "getterMethodName" : "getInstanceId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "xmlNameSpaceUri" : null
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"documentation" : null,
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  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "monitoring",
  "uri" : false
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"map" : false,
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@param monitoring The monitoring for the instance.

@return Returns a reference to this object so that method calls can be chained together.
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"setterModel" : {
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  "variableName" : "monitoring",
  "variableType" : "Monitoring",
  "documentation" : ",",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
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"varargSetterDocumentation" : "<p>The monitoring for the instance.

@param monitoring The monitoring for the instance.

@return Returns a reference to this object so that method calls can be chained together.
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  "variableType" : "Monitoring",
  "documentation" : "<p>The monitoring for the instance.
",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
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"requestSignerClassFqn" : null,
"required" : null,
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  "variableType" : "InstanceMonitoring",
  "documentation" : null,
  "simpleType" : "InstanceMonitoring",
  "variableSetterType" : "InstanceMonitoring"
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"wrapper" : false
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
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  "enumType" : null,
  "fluentSetterDocumentation" : "The ID of the network interface.
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  \n  \n  \n  @return Returns a reference to this object so that method calls can be chained
together.*",
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  "getterDocumentation" : "The ID of the network interface.*",
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  "documentation" : null
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  "header" : false,
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  "isStreaming" : false,
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  "uri" : false
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"map" : false,
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the network interface.*/",
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"setterModel" : {
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param networkInterfaceId The ID of
the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the subnet.</p>",
"enumType" : null,
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@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet.</p>
@return The ID of the subnet.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
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"map" : false,
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*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName": "getVpcId",
"getterModel": {
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"documentation": null
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"uri": false
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  "variableSetterType" : "String"
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@return
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  "variableType" : "String",
  "documentation" : "pThe ID of the VPC.
@param vpcId The ID of the VPC.
@return
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"deprecated" : false,
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@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The description.</p>
@param description The description.
@return
Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The description.</p>
@return The description.*/",
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"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
"statusCode": false,
"unmarshallLocationName": "description",
"uri": false
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"map": false,
"mapModel": null,
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 * @param description The description.
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  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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 * @param description The description.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The description.</p>
  "simpleType": "String",
  "variableSetterType": "String"
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"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the AWS account that created the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getOwnerId",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"fluentSetterDocumentation": "/\n * The ID of the AWS account that created the network interface.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withOwnerId",
"enumType": null,
"documentation": "The ID of the AWS account that created the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.*/"}
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  "isStreaming": false,
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  "statusCode": false,
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  "uri": false
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"map": false,
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"name": "OwnerId",
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  "variableSetterType": "String"
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"deprecated" : false,
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"enumType" : "NetworkInterfaceStatus",
"fluentSetterDocumentation" : "/**<p>The status of the network interface.
\n@see NetworkInterfaceStatus*/",
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\n@see NetworkInterfaceStatus*/",
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"unmarshallLocationName" : "status",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the network interface.
\n@see NetworkInterfaceStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The status of the network interface.</p>
@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The status of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MacAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.
@see MacAddress",
"fluentSetterDocumentation" : "/** <p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.
@see MacAddress*/",
"fluentSetterMethodName" : "withMacAddress",
"getterDocumentation" : "/** <p>The MAC address.</p>
@return The MAC address.
@see MacAddress*/",
"getterMethod_Name" : "getMacAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "MacAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "macAddress",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MacAddress"
"setterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.*"",
"setterMethodName" : "setMacAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "macAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "macAddress",
  "variableType" : "String",
  "documentation" : "<p>The MAC address.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
  @param privateIpAddress The IPv4 address of the network interface within the subnet.
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
  @return The IPv4 address of the network interface within the subnet.*"",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"returnType" : "String",
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateDnsName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateDnsName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "<p>The private DNS name.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to validate network traffic to or from this network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
@return Indicates whether to validate network traffic to or from this network interface.*/",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceDestCheck",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceDestCheck",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
"variable": {  "variableDeclarationType": "Boolean",  "variableName": "sourceDestCheck",  "variableType": "Boolean",  "documentation": "<p>Indicates whether to validate network traffic to or from this network interface.</p>
@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.
@return Returns a reference to this object so that method calls can be chained together."},
"xmlNameSpaceUri": null},
"c2jName": "Groups",
"c2jShape": "GroupIdentifierList",
"deprecated": false,
"documentation": "<p>One or more security groups.</p>
@param groups One or more security groups.
@return Returns a reference to this object so that method calls can be chained together."},  "getterDocumentation": "<p>One or more security groups.</p>
@return One or more security groups.*",  "getterMethodName": "getGroups",
"getterModel": {  "returnType": "java.util.List<GroupIdentifier>",  "documentation": null}
},
"http": {  "additionalMarshallingPath": null,  "additionalUnmarshallingPath": null,  "flattened": false,  "greedy": false,  "header": false,  "isPayload": false,  "isStreaming": false,  "location": null,  "marshallLocationName": "GroupSet",  "queryString": false,  "statusCode": false,  "unmarshallLocationName": "groupSet",  "uri": false
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"idempotencyToken": false,  "list": true,  "listModel": {  "implType": "com.amazonaws.internal.SdkInternalList",  "simple": true,  "varargSetterDocumentation": "/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.
@return Returns a reference to this object so that method calls can be chained together."}
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "GroupIdentifier",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "GroupIdentifier",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
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    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member */",
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "GroupIdentifier",
    "variableName": "member",
    "variableType": "GroupIdentifier",
    "documentation": "",
    "simpleType": "GroupIdentifier",
    "variableSetterType": "GroupIdentifier"
  },
  "simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "GroupIdentifier",
  "variableName": "member",
  "variableType": "GroupIdentifier",
  "documentation": "",
  "simpleType": "GroupIdentifier",
  "variableSetterType": "GroupIdentifier"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "GroupIdentifier",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "GroupIdentifier",
"templateImplType": "com.amazonaws.internal.SdkInternalList\<GroupIdentifier>\",
"templateType": "java.util.List\<GroupIdentifier>\"
},
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**
<p>One or more security groups.</p>
@param groups One or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList\<GroupIdentifier>\",
  "variableName": "groups",
  "variableType": "java.util.List\<GroupIdentifier>\",
  "documentation": "",
  "simpleType": "List\<GroupIdentifier>\",
  "variableSetterType": "java.util.Collection\<GroupIdentifier>\"
},
"simple": false,
"varargSetterDocumentation": "/**
<p>One or more security groups.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setGroups(java.util.Collection)} or { @link #withGroups(java.util.Collection)} if you want to override the existing values.
@param groups One or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList\<GroupIdentifier>\",
  "variableName": "groups",
  "variableType": "java.util.List\<GroupIdentifier>\",
  "documentation": "<p>One or more security groups.</p>"}
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
}, {  
"c2jName" : "Attachment",
"c2jShape" : "InstanceNetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "<p>The network interface attachment.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The network interface attachment.</p>@param attachment The network interface attachment.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>The network interface attachment.</p>@return The network interface attachment.@*/",
"getterMethodName" : "getAttachment",
"getterModel" : {  
"returnType" : "InstanceNetworkInterfaceAttachment",
"documentation" : null
},
"http" : {  
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attachment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>The network interface attachment.</p>@param attachment The network interface attachment.@*/",
"setterMethodName" : "setAttachment",
"setterModel" : {  
"variableDeclarationType" : "InstanceNetworkInterfaceAttachment",
"variableName" : "attachment"}
"variableType" : "InstanceNetworkInterfaceAttachment",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceAttachment",
"variableSetterType" : "InstanceNetworkInterfaceAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAttachment",
  "variableName" : "attachment",
  "variableType" : "InstanceNetworkInterfaceAttachment",
  "documentation" : "<p>The network interface attachment.</p>",
  "simpleType" : "InstanceNetworkInterfaceAttachment",
  "variableSetterType" : "InstanceNetworkInterfaceAttachment",
  "xmlNameSpaceUri" : null
},
"c2jName" : "Association",
"c2jShape" : "InstanceNetworkInterfaceAssociation",
"deprecated" : false,
"documentation" : "<p>The association information for an Elastic IPv4 associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
@param association The association information for an Elastic IPv4 associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociation",
"getterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
@return The association information for an Elastic IPv4 associated with the network interface.*/",
"getterMethodName" : "getAssociation",
"getterModel" : {
  "returnType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Association",
  "queryString" : false,
  "statusCode" : false,
"unmarshalledLocationName" : "association",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
"setterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the network
interface.</p>*/
@param association The association information for an Elastic IPv4 associated with the network
interface.
@return Returns a reference to this object so that method calls can be chained together.
*/
"setterMethodName" : "setAssociation",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the
network interface.</p>*/
@param association The association information for an Elastic IPv4 associated with the
network interface.
@return Returns a reference to this object so that method calls can be chained together.
*/
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "<p>The association information for an Elastic IPv4 associated with the network
interface.</p>
"simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "PrivateIpAddresses",
"c2jShape" : "InstancePrivateIpAddressList",
"deprecated" : false,
"documentation" : "<p>One or more private IPv4 addresses associated with the network interface.</p>*/
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network
interface.</p>*/
@param privateIpAddresses One or more private IPv4 addresses associated with the network
interface.
@return Returns a reference to this object so that method calls can be chained together.
*/
"fluentSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network
interface.</p>*/
@param privateIpAddresses One or more private IPv4 addresses associated with the network
interface.
@return One or more private IPv4 addresses associated with the network interface.
*/
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
  "returnType" : "java.util.List<InstancePrivateIpAddress>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddressesSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddressesSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstancePrivateIpAddress",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    @param member
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
    }
  }
}
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "InstancePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "InstancePrivateIpAddress",
  "variableSetterType" : "InstancePrivateIpAddress"
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},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "InstancePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "InstancePrivateIpAddress",
  "variableSetterType" : "InstancePrivateIpAddress"
}
},
"xmlns Namespace" : null
},
"memberLocationName" : "item",
"memberType" : "InstancePrivateIpAddress",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstancePrivateIpAddress",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
"templateType" : "java.util.List<InstancePrivateIpAddress>
"},
"map" : false,
**PrivateIpAddresses**

- **setterDocumentation**: ```java
/**
 * One or more private IPv4 addresses associated with the network interface.
 */
@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.

```

- **setterMethodName**: `setPrivateIpAddresses`

- **setterModel**: ```java
{
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
    "variableName": "privateIpAddresses",
    "variableType": "java.util.List<InstancePrivateIpAddress>",
    "documentation": "",
    "simpleType": "List<InstancePrivateIpAddress>",
    "variableSetterType": "java.util.Collection<InstancePrivateIpAddress>"
}
```

- **xmlNameSpaceUri**: `null`

---

**Ipv6Addresses**

- **documentation**: ```java
<p>One or more IPv6 addresses associated with the network interface.</p>

```

- **fluentSetterDocumentation**: ```java
/**
 * One or more IPv6 addresses associated with the network interface.
 */
@param ipv6Addresses One or more IPv6 addresses associated with the network interface.

```

- **fluentSetterMethodName**: `withIpv6Addresses`

- **getterDocumentation**: ```java
/**
 * One or more IPv6 addresses associated with the network interface.
 */

```

- **getterMethodName**: `getIpv6Addresses`

- **getterModel**: ```java
{
    "returnType": "java.util.List<InstanceIpv6Address>",
    "documentation": null
}
```

- **http**: ```java
{"mapModel": null,
 "name": "PrivateIpAddresses",
 "setterDocumentation": "/**<p>One or more private IPv4 addresses associated with the network interface.</p>\n@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.*/",
 "setterMethodName": "setPrivateIpAddresses",
 "setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
    "variableName": "privateIpAddresses",
    "variableType": "java.util.List<InstancePrivateIpAddress>",
    "documentation": "",
    "simpleType": "List<InstancePrivateIpAddress>",
    "variableSetterType": "java.util.Collection<InstancePrivateIpAddress>"
},
 "simple": false,
 "varargSetterDocumentation": "/**<p>One or more private IPv4 addresses associated with the network interface.</p>\n@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
    "variableName": "privateIpAddresses",
    "variableType": "java.util.List<InstancePrivateIpAddress>",
    "documentation": "One or more private IPv4 addresses associated with the network interface.",
    "simpleType": "List<InstancePrivateIpAddress>",
    "variableSetterType": "java.util.Collection<InstancePrivateIpAddress>"
},
 "xmlNameSpaceUri": null
},
"c2jName": "Ipv6Addresses",
"c2jShape": "InstanceIpv6AddressList",
"deprecated": false,
"documentation": "<p>One or more IPv6 addresses associated with the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more IPv6 addresses associated with the network interface.</p>\n@param ipv6Addresses One or more IPv6 addresses associated with the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpv6Addresses",
"getterDocumentation": "/**<p>One or more IPv6 addresses associated with the network interface.</p>\n@return One or more IPv6 addresses associated with the network interface.*/",
"getterMethodName": "getIpv6Addresses",
"getterModel": {
    "returnType": "java.util.List<InstanceIpv6Address>",
    "documentation": null
}
```

---

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"additionalMarshallingPath": null,
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"header": false,
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"isStreaming": false,
"location": null,
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"statusCode": false,
"unmarshallLocationName": "ipv6AddressesSet",
"uri": false,
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"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
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"c2jShape": "InstanceIpv6Address",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "InstanceIpv6Address",
"documentation": null
}
},
"http": {
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
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"unmarshallLocationName": "item",
"uri": false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
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"xmlnsSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonNullAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**
One or more IPv6 addresses associated with the network interface.

@param ipv6Addresses One or more IPv6 addresses associated with the network interface.*/",
"setterMethodName" : "setIpv6Addresses",
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>"
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
    "variableName": "ipv6Addresses",
    "variableType": "java.util.List<InstanceIpv6Address>",
    "documentation": "",
    "simpleType": "List<InstanceIpv6Address>",
    "variableSetterType": "java.util.Collection<InstanceIpv6Address>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more IPv6 addresses associated with the network interface.</p>
<br>NOTE:<br>This method appends the values to the existing list (if any). Use [@link #setIpv6Addresses(java.util.Collection)] or [@link #withIpv6Addresses(java.util.Collection)] if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableName": "ipv6Addresses",
    "variableType": "java.util.List<InstanceIpv6Address>",
    "documentation": "<p>One or more IPv6 addresses associated with the network interface.</p>
@param ipv6Addresses One or more IPv6 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri": null
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"membersAsMap": {
    "Association": {
        "c2jName": "Association",
        "c2jShape": "InstanceNetworkInterfaceAssociation",
        "deprecated": false,
        "documentation": "<p>The association information for an Elastic IPv4 associated with the network interface.</p>
        ",
        "enumType": null,
        "fluentSetterDocumentation": "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
        <br>\n@returns The association information for an Elastic IPv4 associated with the network interface.
        
@returns Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withAssociation",
        "getterDocumentation": "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
        <br>\n@returns The association information for an Elastic IPv4 associated with the network interface.
        
@returns Returns a reference to this object so that method calls can be chained together.*/",
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        "getterModel": {
            "returnType": "InstanceNetworkInterfaceAssociation",
            "documentation": null
        }
    },
    "http": {
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        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Association",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "association",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
"setterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
@param association The association information for an Elastic IPv4 associated with the network interface.*/",
"setterMethodName" : "setAssociation",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
@param association The association information for an Elastic IPv4 associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
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"xmlNameSpaceUri" : null
},
"Attachment" : {
  "c2jName" : "Attachment",
  "c2jShape" : "InstanceNetworkInterfaceAttachment",
  "deprecated" : false,
  "documentation" : "<p>The network interface attachment.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>The network interface attachment.</p>
@return The network interface attachment.*/",
"getterMethodName" : "getAttachment",
"getterModel" : {
  "returnType" : "InstanceNetworkInterfaceAttachment",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "Attachment",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attachment",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "attachment",
  "variableType" : "InstanceNetworkInterfaceAttachment",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceAttachment",
  "variableSetterType" : "InstanceNetworkInterfaceAttachment"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAttachment",
  "variableName" : "attachment",
  "variableType" : "InstanceNetworkInterfaceAttachment",
  "documentation" : "<p>The network interface attachment.</p>",
  "simpleType" : "InstanceNetworkInterfaceAttachment",
  "variableSetterType" : "InstanceNetworkInterfaceAttachment"
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"xmlNameSpaceUri" : null
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"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The description.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The description.</p>
@param description The description.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**<p>The description.</p>
@return The description.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Description",
  "setterDocumentation" : "/**<p>The description.</p>
@param description The description.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setDescription",  
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }}
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
  "simple": true,
  "varargSetterDocumentation": "/**
   * The description.
   * @param description The description.
   * @return
   * Returns a reference to this object so that method calls can be chained together.
   */",
  "variable": {
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    "variableName": "description",
    "variableType": "String",
    "documentation": "<p>The description.</p>
    @param description The description.
    @return Returns a reference to this object so that method calls can be chained together.
  }
},
  "xmlNameSpaceUri": null
},
  "Groups": {
    "c2jName": "Groups",
    "c2jShape": "GroupIdentifierList",
    "deprecated": false,
    "documentation": "<p>One or more security groups.</p>
    @param groups One or more security groups.
    @return Returns a reference to this object so that method calls can be chained together.
  }
},
  "getterDocumentation": "/**
   * One or more security groups.
   * @return One or more security groups.
   */",
  "getterMethodName": "getGroups",
  "getterModel": {
    "returnType": "java.util.List<GroupIdentifier>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "queryString": false,
    "statusCode": false,
"unmarshallLocationName" : "groupSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
}
,"simple" : false,
"varargSetterDocumentation" : "/**\n@PathParam member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
}
,"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**\n<p>One or more security groups.</p>
@param groups One or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
}
,"simple" : false,
"varargSetterDocumentation" : "/**\n<p>One or more security groups.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or { @link
#withGroups(java.util.Collection) if you want to override the existing values.

@returns

Returns a reference to this object so that method calls can be chained together.

/**<p>One or more security groups.</p>

@param groups One or more security groups.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName": "groups",
"variableType": "java.util.List<GroupIdentifier>",
"documentation": "<p>One or more security groups.</p>",
"simpleType": "List<GroupIdentifier>",
"variableSetterType": "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri": null
},
"Ipv6Addresses": {
"c2jName": "Ipv6Addresses",
"c2jShape": "InstanceIpv6AddressList",
"deprecated": false,
"documentation": "<p>One or more IPv6 addresses associated with the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more IPv6 addresses associated with the network interface.</p>

@param ipv6Addresses One or more IPv6 addresses associated with the network interface.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpv6Addresses",
"getterDocumentation": "/**<p>One or more IPv6 addresses associated with the network interface.</p>

@return One or more IPv6 addresses associated with the network interface.*/",
"getterMethodName": "getIpv6Addresses",
"getterModel": {

"returnType": "java.util.List<InstanceIpv6Address>",
"documentation": null
},
"http": {

"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6AddressesSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6AddressesSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {

"implType": "com.amazonaws.internal.SdkInternalList",
"c2jName": "list<InstanceIpv6Address>",
"c2jShape": "InstanceIpv6AddressList",
"deprecated": false,
"documentation": "<p>One or more IPv6 addresses associated with the network interface.</p>

@param ipv6Addresses One or more IPv6 addresses associated with the network interface.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName": "ipv6Addresses",
"variableType": "java.util.List<GroupIdentifier>",
"documentation": "<p>One or more IPv6 addresses associated with the network interface.</p>

@param ipv6Addresses One or more IPv6 addresses associated with the network interface.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName": "groups",
"variableType": "java.util.List<GroupIdentifier>",
"documentation": "<p>One or more security groups.</p>",
"simpleType": "List<GroupIdentifier>",
"variableSetterType": "java.util.Collection<GroupIdentifier>"
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "InstanceIpv6Address",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "InstanceIpv6Address",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "InstanceIpv6Address",
    "variableName" : "member",
    "variableType" : "InstanceIpv6Address",
    "documentation" : "",
    "simpleType" : "InstanceIpv6Address",
    "variableSetterType" : "InstanceIpv6Address"
  },
  "simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>",
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**
One or more IPv6 addresses associated with the network interface.

@param ipv6Addresses One or more IPv6 addresses associated with the network interface.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<InstanceIpv6Address>",
  "documentation" : "",
  "simpleType" : "List<InstanceIpv6Address>",
  "variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
One or more IPv6 addresses associated with the network interface.

NOTE: This method appends the values to the existing list (if any). Use { @link #setIpv6Addresses(java.util.Collection) } or { @link #withIpv6Addresses(java.util.Collection) } if you want to override the existing values.

@param ipv6Addresses One or more IPv6 addresses associated with the network interface.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<InstanceIpv6Address>",
}
"documentation" : "<p>One or more IPv6 addresses associated with the network interface.</p>",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>".
},
"xmlNameSpaceUri" : null
},
"MacAddress" : {
  "c2jName" : "MacAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The MAC address.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The MAC address.</p>
@returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The MAC address.</p>
@returns The MAC address.*/",
  "getterMethodName" : "getMacAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MacAddress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "macAddress",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "MacAddress",
  "setterDocumentation" : "/**<p>The MAC address.</p>
@returns The MAC address.*/",
  "setterMethodName" : "setMacAddress",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "macAddress",
    "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "macAddress",
"variableType" : "String",
"documentation" : "<p>The MAC address.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/** <p>The ID of the network interface.</p>
@return The ID of the network interface. */",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>*/
@param networkInterfaceId The ID of the network interface.

setterMethodName": "setNetworkInterfaceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p>*/
@param networkInterfaceId The ID of the network interface.

return Returns a reference to this object so that method calls can be chained together.

"variable": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "<p>The ID of the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"OwnerId": {
  "c2jName": "OwnerId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the AWS account that created the network interface.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the AWS account that created the network interface.</p>*/
@param ownerId The ID of the AWS account that created the network interface.

return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "withOwnerId",
"getterDocumentation": "/**<p>The ID of the AWS account that created the network interface.</p>*/
@n@return The ID of the AWS account that created the network interface.

"getterMethodName": "getOwnerId",
"getterModel": {
  "returnType": "String",
  "documentation": null
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "OwnerId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ownerId",
    "uri": false
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:idempotencyToken": false,
:list": false,
:listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",
:setterDocumentation": "/**\n<p>The ID of the AWS account that created the network interface.\n@\n
@param ownerId The ID of the AWS account that created the network interface.*/",
:setterMethodName": "setOwnerId",
:setterModel": {
    "variableDeclarationType": "String",
    "variableName": "ownerId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
:simple": true,
:varargSetterDocumentation": "/**\n<p>The ID of the AWS account that created the network interface.\n@\n
@param ownerId The ID of the AWS account that created the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
:variable": {
    "variableDeclarationType": "String",
    "variableName": "ownerId",
    "variableType": "String",
    "documentation": "<p>The ID of the AWS account that created the network interface.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
:xmlNameSpaceUri": null
},
"PrivateDnsName": {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "PrivateDnsName",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "privateDnsName",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "privateDnsName",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/"}
DNS name.

*return* Returns a reference to this object so that method calls can be chained together.*}*/

  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateDnsName",
    "variableType" : "String",
    "documentation" : "<p>The private DNS name.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlnsSpaceUri" : null
},
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
   *param privateIpAddress The IPv4 address of the network interface within the subnet.<*/
   *return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
   *return The IPv4 address of the network interface within the subnet.<*/",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PrivateIpAddress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "privateIpAddress",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddresses" : {
"c2jName" : "PrivateIpAddresses",
"c2jShape" : "InstancePrivateIpAddressList",
"deprecated" : false,
"documentation" : "<p>One or more private IPv4 addresses associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network interface.</p>
@return One or more private IPv4 addresses associated with the network interface.</p>",
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
"returnType" : "java.util.List<InstancePrivateIpAddress>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
null,
"marshallLocationName" : "PrivateIpAddressesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddressesSet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {

"c2jName" : "member",
"c2jShape" : "InstancePrivateIpAddress",
"deprecated" : false,
"documentation" : "",
"enumType" : null,

"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {

"returnType" : "InstancePrivateIpAddress",
"documentation" : null
}
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstancePrivateIpAddress",
  "variableName" : "member",
  "variableType" : "InstancePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "InstancePrivateIpAddress",
  "variableSetterType" : "InstancePrivateIpAddress"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstancePrivateIpAddress",
  "variableName" : "member",
  "variableType" : "InstancePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "InstancePrivateIpAddress",
  "variableSetterType" : "InstancePrivateIpAddress"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstancePrivateIpAddress",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstancePrivateIpAddress",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
"templateType" : "java.util.List<InstancePrivateIpAddress>"
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.</*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
  "variableName" : "privateIpAddresses",
  "simple" : false,
  "simpleType" : "InstancePrivateIpAddress",
  "variableSetterType" : "InstancePrivateIpAddress"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "InstancePrivateIpAddress",
"marshallNonAutoConstructedEmptyLists" : false,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstancePrivateIpAddress",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
"templateType" : "java.util.List<InstancePrivateIpAddress>"
"variableType" : "java.util.List<InstancePrivateIpAddress>",
"documentation" : "",
"simpleType" : "List<InstancePrivateIpAddress>",
"variableSetterType" : "java.util.Collection<InstancePrivateIpAddress>",
"simple" : false,
"varargSetterDocumentation" : "/**\n * One or more private IPv4 addresses associated with the network interface.
 * \n * NOTE: This method appends the values to the existing list (if any). Use \{ @link
 * #setPrivateIpAddresses(java.util.Collection) \} or \{ @link
 * #withPrivateIpAddresses(java.util.Collection) \} if you want to override the existing
 * values.\n */
 * \n * @param privateIpAddresses One or more private IPv4 addresses associated with the
 * network interface.
 * \n * @return Returns a reference to this object so that method calls can be chained
 * together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<InstancePrivateIpAddress>",
"documentation" : "One or more private IPv4 addresses associated with the network interface.\n"}
"xmlNameSpaceUri" : null,
"SourceDestCheck" : {
"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "\n * Indicates whether to validate network traffic to or from this network interface.\n */"
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Indicates whether to validate network traffic to or from this network interface.\n */
 * \n * @param sourceDestCheck Indicates whether to validate network traffic to or from this
 * network interface.\n * \n * @return Returns a reference to this object so that method calls can be chained
 * together.*/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "/**\n * Indicates whether to validate network traffic to or from this network interface.\n */
 * \n * @return Indicates whether to validate network traffic to or from this network interface.\n */",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
}
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation": "/*\n<p>Indicates whether to validate network traffic to or from this network interface.</p>
@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.*/",
"setterMethodName": "setSourceDestCheck",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/*\n<p>Indicates whether to validate network traffic to or from this network interface.</p>
@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether to validate network traffic to or from this network interface.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"Status": {
  "c2jName": "Status",
  "c2jShape": "NetworkInterfaceStatus",
  "deprecated": false,
  "documentation": "<p>The status of the network interface.</p>",
  "enumType": "NetworkInterfaceStatus",
  "fluentSetterDocumentation": "/*\n<p>The status of the network interface.</p>
@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceStatus*/",
  "fluentSetterMethodName": "withStatus",
  "getterDocumentation": "<p>The status of the network interface.</p>
/*\n@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceStatus*/",
  "getterMethodName": "getStatus",
  "getterModel": {
  "variableDeclarationType": "NetworkInterfaceStatus",
  "variableName": "status",
  "variableType": "NetworkInterfaceStatus",
  "documentation": "",
  "simple": true,
  "simpleType": "NetworkInterfaceStatus",
  "variableSetterType": "NetworkInterfaceStatus"
}
"getterDocumentation" : "/**<p>The status of the network interface.</p>
@return The status of the network interface.<br/>
@see NetworkInterfaceStatus*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : false,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface.<br/>
@see NetworkInterfaceStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface<br/>
@returns a reference to this object so that method calls can be chained together.<br/>
@see NetworkInterfaceStatus*/",
"variable" : {
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The status of the network interface.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
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 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the subnet.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>\n@param subnetId The ID of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "getterDocumentation" : "/**<p>The ID of the subnet.</p>\n@return The ID of the subnet.*/",
 "getterMethodName" : "getSubnetId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "http" : {
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SubnetId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "subnetId",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "SubnetId",
 "setterDocumentation" : "/**<p>The ID of the subnet.</p>\n@param subnetId The ID of the subnet.\n*/",
 "setterMethodName" : "setSubnetId",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "subnetId",
 "variableType" : "String",
 "documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
"getMethodNumber" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
null,
"mapModel" : null,
"name" : "VpcId",
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@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceNetworkInterface",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"wrapper" : false,
"InstanceNetworkInterfaceAssociation" : {
  "c2jName" : "InstanceNetworkInterfaceAssociation",...
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes association information for an Elastic IP address (IPv4).</p>",
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The public IP address or Elastic IP address bound to the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>
 @param publicIp The public IP address or Elastic IP address bound to the network interface.
 @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPublicIp",
    "getterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>
 @return The public IP address or Elastic IP address bound to the network interface.*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
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      "marshallLocationName" : "PublicIp",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "publicIp",
      "uri" : false
    },
    "idempotencyToken" : false,
}
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**\n<p>The public IP address or Elastic IP address bound to the network interface.</p>\n@param publicIp The public IP address or Elastic IP address bound to the network interface.*\n*/",
"setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n<p>The public IP address or Elastic IP address bound to the network interface.</p>\n@param publicIp The public IP address or Elastic IP address bound to the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "\n<p>The public IP address or Elastic IP address bound to the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "PublicDnsName",
"c2jShape": "String",
"deprecated": false,
"documentation": "\n<p>The public DNS name.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param publicDnsName The public DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName": "withPublicDnsName",
"getterDocumentation": "/**\n@param publicDnsName The public DNS name.\n@return The public DNS name.*\n*/",
"getterMethodName": "getPublicDnsName",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PublicDnsName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "publicDnsName",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicDnsName",
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@param publicDnsName The public DNS name.*/",
"setterMethodName": "setPublicDnsName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicDnsName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": " /**<p>The public DNS name.</p>
@<p>
@publicDnsName The public DNS name.<p/>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The public DNS name.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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  "c2jName": "IpOwnerId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the owner of the Elastic IP address.</p>",
  "enumType": null,
  "fluentSetterDocumentation": " /**<p>The ID of the owner of the Elastic IP address.</p>
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@paramIpOwnerId The ID of the owner of the Elastic IP address.<p/>
@return Returns a reference to this object so that method calls can
be chained together.*/
        "fluentSetterMethodName" : "withIpOwnerId",
        "getterDocumentation" : "/**<p>The ID of the owner of the Elastic IP address.</p>
        @return The ID of the owner of the Elastic IP address.*/",
        "getterMethodName" : "getIpOwnerId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
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            "flattened" : false,
            "greedy" : false,
            "header" : false,
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            "isStreaming" : false,
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            "marshallLocationName" : "IpOwnerId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "ipOwnerId",
            "uri" : false
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        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "IpOwnerId",
        "setterDocumentation" : "/**<p>The ID of the owner of the Elastic IP address.</p>
        @param ipOwnerId The ID of the owner of the Elastic IP address.*/",
        "setterMethodName" : "setIpOwnerId",
        "setterModel" : {
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            "variableName" : "ipOwnerId",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "simple" : true,
        "varargSetterDocumentation" : "/**<p>The ID of the owner of the Elastic IP address.</p>
        @param ipOwnerId The ID of the owner of the Elastic IP address.*/
        @return Returns a reference to this object so that method calls can be chained together.*/",
        "variable" : {
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            "variableName" : "ipOwnerId"}
"variableType" : "String",
"documentation" : "<p>The ID of the owner of the Elastic IP address.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
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    "c2jName" : "IpOwnerId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the owner of the Elastic IP address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*@param ipOwnerId The ID of the owner of the Elastic IP address.*/
    returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIpOwnerId",
    "getterDocumentation" : "/*@param ipOwnerId The ID of the owner of the Elastic IP address.*/
    return The ID of the owner of the Elastic IP address.*/",
    "getterMethodName" : "getIpOwnerId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "IpOwnerId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ipOwnerId",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "IpOwnerId",
    "setterDocumentation" : "/*@param ipOwnerId The ID of the owner of the Elastic IP address.*/",
    "setterIndex" : false,
    "simpleType" : "String",
    "size" : false,
    "sizeType" : "Integer",
    "xmlNameSpaceUri" : null
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"setterModel" : {
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  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"variable" : {
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  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "\n * The ID of the owner of the Elastic IP address.\n *\n * @param ipOwnerId The ID of the owner of the Elastic IP address.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
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"PublicDnsName" : {
  "c2jName" : "PublicDnsName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\n * The public DNS name.\n *\n * @param publicDnsName The public DNS name.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**\n * The public DNS name.\n *\n * @param publicDnsName The public DNS name.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**\n * The public DNS name.\n *\n * @return The public DNS name.\n */",
  "getterMethodName" : "getPublicDnsName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicDnsName",
    "xmlNameSpaceUri" : null
  }
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"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "PublicIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "publicIp",
    "uri" : false
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"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "PublicIp",

"setterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>
@param publicIp The public IP address or Elastic IP address bound to the network interface.</n @param publicIp The public IP address or Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setPublicIp",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</n @param publicIp The public IP address or Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "<p>The public IP address or Elastic IP address bound to the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple": true,

"varargSetterDocumentation": "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>@param publicIp The public IP address or Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",

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    "variableType": "String",
    "documentation": "<p>The public IP address or Elastic IP address bound to the network interface.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceNetworkInterfaceAssociation",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
"variableName" : "instanceNetworkInterfaceAssociation",
"variableType" : "InstanceNetworkInterfaceAssociation",
"documentation" : null,
"simpleType" : "InstanceNetworkInterfaceAssociation",
"variableSetterType" : "InstanceNetworkInterfaceAssociation"
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"wrapper" : false
},
"InstanceNetworkInterfaceAttachment" : {
"c2jName" : "InstanceNetworkInterfaceAttachment",
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"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a network interface attachment.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "AttachmentId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface attachment.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param attachmentId
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachmentId",
}
"getterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@return The ID of the
network interface attachment.*/",
"getterMethodName" : "getAttachmentId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AttachmentId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attachmentId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachmentId",
"setterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param attachmentId The
ID of the network interface attachment.
@return Returns a reference to this object so that method
calls can be chained together.*/",
"setterMethodName" : "setAttachmentId",
"setterModel" : {
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  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface attachment.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeviceIndex",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.</p>
@returns {DeviceIndex} The index of the device on the instance for the network interface attachment.
*/",
"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.</p>
@returns {DeviceIndex} The index of the device on the instance for the network interface attachment.
*/",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeviceIndex",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deviceIndex",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.</p>
@returns {DeviceIndex} The index of the device on the instance for the network interface attachment.
*/",
"setterMethodName" : "setDeviceIndex",
"setterModel" : {
"variableDeclarationType" : "Integer"
"variableName" : "deviceIndex",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.\n@param deviceIndex The index of the device on the instance for the network interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "deviceIndex",
 "variableType" : "Integer",
 "documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>",
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "AttachmentStatus",
"deprecated" : false,
"documentation" : "<p>The attachment state.</p>",
"enumType" : "AttachmentStatus",
"fluentSetterDocumentation" : "/**<p>The attachment state.\n@param status The attachment state.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The attachment state.\n@return The attachment state.\n@see AttachmentStatus*/",
"getterMethodName" : "getStatus",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Status",
 "queryString" : false,
 "statusCode" : false,
"UnmarshallerLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@see AttachmentStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The attachment state.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "AttachTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time stamp when the attachment initiated.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAttachTime",
  "getterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@return The time stamp when the attachment initiated.*/",
  "getterMethodName" : "getAttachTime",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "type" : "java.util.Date"
  }
}
**Documentation**

The time stamp when the attachment initiated.

```java
variable: {
  variableDeclarationType: "java.util.Date",
  variableName: "attachTime",
  documentation: "The time stamp when the attachment initiated.",
  simpleType: "java.util.Date",
  variableSetterType: "java.util.Date"
}
```

**Vararg Setter Documentation**

The time stamp when the attachment initiated.

```java
variable: {
  variableDeclarationType: "java.util.Date",
  variableName: "attachTime",
  documentation: "The time stamp when the attachment initiated.",
  simpleType: "java.util.Date",
  variableSetterType: "java.util.Date"
}
```
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p><p>@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p><p>@return Indicates whether the network interface is deleted when the instance is terminated.</p>*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deleteOnTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p><p>@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.</p>*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableType" : "Boolean"}
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * Indicates whether the network interface is deleted when the instance is terminated.
 */\n\n@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "\n  * Indicates whether the network interface is deleted when the instance is terminated.\n  */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AttachTime" : {
  "c2jName" : "AttachTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "\n  * The time stamp when the attachment initiated.\n  */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * The time stamp when the attachment initiated.\n   */\n   \n   @param attachTime The time stamp when the attachment initiated.\n   \n   @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAttachTime",
  "getterDocumentation" : "/**\n   * The time stamp when the attachment initiated.\n   */\n   \n   @return The time stamp when the attachment initiated.\n   \n   @return The time stamp when the attachment initiated.*/",
  "getterMethodName" : "getAttachTime",
  "getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
  }
},
  "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AttachTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attachTime",}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachTime",
"setterDocumentation" : "/*<p>The time stamp when the attachment initiated.</p>@param attachTime The time stamp when the attachment initiated.*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The time stamp when the attachment initiated.</p>@param attachTime The time stamp when the attachment initiated.*/@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time stamp when the attachment initiated.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"AttachmentId" : {
  "c2jName" : "AttachmentId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface attachment.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ID of the network interface attachment.</p>@param attachmentId The ID of the network interface attachment.*/@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAttachmentId",
  "getterDocumentation" : "/*<p>The ID of the network interface attachment.</p>@return The ID of the network interface attachment.*/",
  "getterMethodName" : "getAttachmentId",
  "getterModel" : {
    "returnType" : "String",
  }
}
/**<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*"/}

/**<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*"/}

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"xmlNameSpaceUri" : null
};
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AttachmentId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attachmentId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachmentId",
"setterDocumentation" : "/*\n@\n@param attachmentId The ID of the network interface attachment.\n
@\n@return Returns a reference to this object so that method calls can be chained together.*/

@\n@varargSetterDocumentation" : "/*\n@\n@param attachmentId The ID of the network interface attachment.\n
@\n@return Returns a reference to this object so that method calls can be chained together.*/

@\n@variable" : {
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  "documentation" : "<p>The ID of the network interface attachment.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
};
"DeleteOnTermination" : {
    "c2jName" : "DeleteOnTermination",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the network interface is deleted when the instance is
terminated.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is
terminated.</p>*/\n@param deleteOnTermination Indicates whether the network interface is deleted when the
instance is terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is
terminated.</p>*/\n@return Indicates whether the network interface is deleted when the instance is terminated.*/",
    "getterMethodName" : "getDeleteOnTermination",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "DeleteOnTermination",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "deleteOnTermination",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "DeleteOnTermination",
    "setterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is
terminated.</p>*/\n@param deleteOnTermination Indicates whether the network interface is deleted when the
instance is terminated.*/",
    "setterMethodName" : "setDeleteOnTermination",
    "setterModel" : {
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        "variableName" : "deleteOnTermination",
        "variableType" : "Boolean",
        "documentation" : "",
    }
}
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "*/\<p>Indicates whether the network interface is deleted when the instance is terminated.\</p>\n@\param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.\n@\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "\<p>Indicates whether the network interface is deleted when the instance is terminated.\</p>\n\@\param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"DeviceIndex" : {
"c2jName" : "DeviceIndex",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "\<p>The index of the device on the instance for the network interface attachment.\</p>\n\@\param deviceIndex The index of the device on the instance for the network interface attachment.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "*/\<p>The index of the device on the instance for the network interface attachment.\</p>\n\@\param deviceIndex The index of the device on the instance for the network interface attachment.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "*/\<p>The index of the device on the instance for the network interface attachment.\</p>\n\@\param deviceIndex The index of the device on the instance for the network interface attachment.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeviceIndex",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deviceIndex",
"variable" : {
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"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "\<p>Indicates whether the network interface is deleted when the instance is terminated.\</p>\n\@\param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"DeviceIndex" : {
"c2jName" : "DeviceIndex",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "\<p>The index of the device on the instance for the network interface attachment.\</p>\n\@\param deviceIndex The index of the device on the instance for the network interface attachment.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "*/\<p>The index of the device on the instance for the network interface attachment.\</p>\n\@\param deviceIndex The index of the device on the instance for the network interface attachment.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "*/\<p>The index of the device on the instance for the network interface attachment.\</p>\n\@\param deviceIndex The index of the device on the instance for the network interface attachment.\n\@\return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"http" : {
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**\n\n@param deviceIndex The index of the device on the instance for the network interface attachment.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeviceIndex",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param deviceIndex The index of the device on the instance for the network interface attachment.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "AttachmentStatus",
  "deprecated" : false,
  "documentation" : "<p>The attachment state.</p>
",
  "enumType" : "AttachmentStatus",
  "fluentSetterDocumentation" : "/**\n\n@param status The attachment state.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**\n\n@returns The attachment state.\n\n@see AttachmentStatus*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
  "variableDeclarationType" : "AttachmentStatus",
  "variableName" : "status",
  "variableType" : "AttachmentStatus",
  "documentation" : null,
  "simpleType" : "AttachmentStatus",
  "variableSetterType" : null
},
"xmlNameSpaceUri" : null
}}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n@param status The attachment state.\n@see AttachmentStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param status The attachment state.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The attachment state.</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceNetworkInterfaceAttachment",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAttachment",
  "variableName" : "instanceNetworkInterfaceAttachment",
  "variableType" : "InstanceNetworkInterfaceAttachment",
  "documentation" : null,
  "simpleType" : "InstanceNetworkInterfaceAttachment",
  "variableSetterType" : "InstanceNetworkInterfaceAttachment"
},
"wrapper" : false
},
"InstanceNetworkInterfaceSpecification" : {
  "c2jName" : "InstanceNetworkInterfaceSpecification",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a network interface.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "/**<p>The ID of the network interface.</p>
\n@return The ID of the network interface.\n*/"
  }
]
interface.*

"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n\n@\n@param networkInterfaceId The ID of the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together. */\n*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@\n@param networkInterfaceId The ID of the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together. */\n*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "DeviceIndex",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
@param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
@return The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.*/",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeviceIndex",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deviceIndex",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
@param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "withDeviceIndex",
"setterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"type" : "Integer",
"xmlNameSpaceUri" : null
}
index.<p>@param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a &lt;a&gt;RunInstances&lt;/a&gt; request, you must provide the device index.*/*

.SetterMethodName" : "setDeviceIndex",
"SetterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**&lt;p&gt;The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a &lt;a&gt;RunInstances&lt;/a&gt; request, you must provide the device index.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/*",

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "&lt;p&gt;The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a &lt;a&gt;RunInstances&lt;/a&gt; request, you must provide the device index.&lt;/p&gt;",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
},
"xmlNameSpaceUri" : null,
{/c2jName} : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/*",

"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**&lt;p&gt;The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.&lt;/p&gt;\n@return The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.*/*",

"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if
creating a network interface when launching an instance.</p>
@param subnetId The ID of the subnet associated
with the network string. Applies only if creating a network interface when launching an instance.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if
creating a network interface when launching an instance.</p>
@param subnetId The ID of the subnet associated
with the network string. Applies only if creating a network interface when launching an instance.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet associated with the network string. Applies only if creating a
network interface when launching an instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p>The description of the network interface. Applies only if creating a network interface when launching an instance.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "\/**\<p>The description of the network interface. Applies only if creating a network interface when launching an instance.\</p>\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "\/**\<p>The description of the network interface. Applies only if creating a network interface when launching an instance.\</p>\n@return The description of the network interface. Applies only if creating a network interface when launching an instance.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "\/**\<p>The description of the network interface. Applies only if creating a network interface when launching an instance.\</p>\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String"}
"documentation" : "/**\n\p> The description of the network interface. Applies only if creating a network interface when launching an instance.\n\@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n\@return Returns a reference to this object so that method calls can be chained together. */\n\p>
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance."
},
"simple" : true,
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n\p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\p> The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n\@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n\@return Returns a reference to this object so that method calls can be chained together. */\n\p>
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**\n\p> The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n\@return The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n\p>"
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrivateIpAddress",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateIpAddress",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIpAddress",
"setterDocumentation": "/**<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>\n@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"setterMethodName": "setPrivateIpAddress",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>\n@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n@return returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "Groups",
  "c2jShape" : "SecurityGroupIdStringList",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The IDs of the security groups for the network interface. Applies only if creating a
network interface when launching an instance.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The IDs of the security groups for the network interface. Applies only if
creating a network interface when launching an instance.&lt;/p&gt;&lt;param&gt; groups The IDs of the security groups for
the network interface. Applies only if creating a network interface when launching an instance.&lt;/param&gt;&lt;return&gt;Returns a
reference to this object so that method calls can be chained together.&lt;/return&gt;*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**&lt;p&gt;The IDs of the security groups for the network interface. Applies only if
creating a network interface when launching an instance.&lt;/p&gt;&lt;return&gt;The IDs of the security groups for
the network interface. Applies only if creating a network interface when launching an instance.&lt;/return&gt;*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "getterDocumentation" : "/**\n@return The member...
*/",
      "getterMethodName" : "getMember",
      "getterModel" : {
..."xmlNameSpaceUri" : null
},
  "c2jName" : "Groups",
  "c2jShape" : "SecurityGroupIdStringList",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The IDs of the security groups for the network interface. Applies only if creating a
network interface when launching an instance.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The IDs of the security groups for the network interface. Applies only if
creating a network interface when launching an instance.&lt;/p&gt;&lt;param&gt; groups The IDs of the security groups for
the network interface. Applies only if creating a network interface when launching an instance.&lt;/param&gt;&lt;return&gt;Returns a
reference to this object so that method calls can be chained together.&lt;/return&gt;*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**&lt;p&gt;The IDs of the security groups for the network interface. Applies only if
creating a network interface when launching an instance.&lt;/p&gt;&lt;return&gt;The IDs of the security groups for
the network interface. Applies only if creating a network interface when launching an instance.&lt;/return&gt;*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "getterDocumentation" : "/**\n@return The member...
method calls can be chained together.*/*

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SecurityGroupId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "SecurityGroupId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String"
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
}
",
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p><@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p><@link #setGroups(java.util.Collection) or @link #withGroups(java.util.Collection) if you want to override the existing values.*/
@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>@param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>@return If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>@param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/",}
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": 
  
  "simple": true,
  "varargSetterDocumentation": "/**
   * If set to <code>true</code>, the interface is deleted when the instance is
   * terminated. You can specify <code>true</code> only if creating a new network interface when launching an
   * instance.<p>
   * \n   * @param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is
   * terminated. You can specify <code>true</code> only if creating a new network interface when launching an
   * instance.<p>
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "Boolean",
    "variableName": "deleteOnTermination",
    "variableType": "Boolean",
    "documentation": 
    
    "xmlNameSpaceUri": null
  },
  "c2jName": "PrivateIpAddresses",
  "c2jShape": "PrivateIpAddressSpecificationList",
  "deprecated": false,
  "documentation": 
  
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"setterMethodName": "setPrivateIpAddresses",
"setterModel": {
  "variableDeclarationType": "List<PrivateIpAddressSpecification>",
  "variableName": "privateIpAddresses",
  "variableType": "List<PrivateIpAddressSpecification>",
  "documentation": 
  
  "/documentation": 
  
  "simple": true,
  "varargSetterDocumentation": "/**
   * One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.<p>
   * @param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.<p>
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "List<PrivateIpAddressSpecification>",
    "variableName": "privateIpAddresses",
    "variableType": "List<PrivateIpAddressSpecification>",
    "documentation": 
    
    "xmlNameSpaceUri": null
  },
  "c2jName": "PrivateIpAddresses",
  "c2jShape": "PrivateIpAddressSpecificationList",
  "deprecated": false,
  "documentation": 
  
  "simpleType": "List<PrivateIpAddressSpecification>",
  "variableSetterType": "List<PrivateIpAddressSpecification>"
},
"xmlNameSpaceUri": null
}
"documentation":null,
"http":{
  "additionalMarshallingPath":null,
  "additionalUnmarshallingPath":null,
  "flattened":false,
  "greedy":false,
  "header":false,
  "isPayload":false,
  "isStreaming":false,
  "location":null,
  "marshallLocationName":"PrivateIpAddresses",
  "queryString":false,
  "statusCode":false,
  "unmarshallLocationName":"privateIpAddressesSet",
  "uri":false
},
"idempotencyToken":false,
"list":true,
"listModel":{
  "implType":"com.amazonaws.internal.SdkInternalList",
  "interfaceType":"java.util.List",
  "listMemberModel":{
    "c2jName":"member",
    "c2jShape":"PrivateIpAddressSpecification",
    "deprecated":false,
    "documentation":null,
    "enumType":null,
    "fluentSetterDocumentation":"/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName":"withMember",
    "getterDocumentation":"/**\n@return *
*/",
    "getterMethodName":"getMember",
    "getterModel":{
      "returnType":"PrivateIpAddressSpecification",
      "documentation":null
    },
    "http":{
      "additionalMarshallingPath":null,
      "additionalUnmarshallingPath":null,
      "flattened":false,
      "greedy":false,
      "header":false,
      "isPayload":false,
      "isStreaming":false,
      "location":null,
      "marshallLocationName":"Item",
      "queryString":false,
      "uri":false
    }
  }
}
"statusCode" : false,
"unmarshalLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "PrivateIpAddressSpecification",
"variableName" : "member",
"variableType" : "PrivateIpAddressSpecification",
"documentation" : "",
"simpleType" : "PrivateIpAddressSpecification",
"variableSetterType" : "PrivateIpAddressSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PrivateIpAddressSpecification",
"variableName" : "member",
"variableType" : "PrivateIpAddressSpecification",
"documentation" : "",
"simpleType" : "PrivateIpAddressSpecification",
"variableSetterType" : "PrivateIpAddressSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrivateIpAddressSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrivateIpAddressSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"templateType" : "java.util.List<PrivateIpAddressSpecification>",
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**\p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\p>\n@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<PrivateIpAddressSpecification>",
  "documentation" : "",
  "simpleType" : "List<PrivateIpAddressSpecification>",
  "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\p>\n@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<PrivateIpAddressSpecification>",
  "documentation" : "<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
  "simpleType" : "List<PrivateIpAddressSpecification>",
  "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SecondaryPrivateIpAddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
  "@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\p>\n@returns Returns a reference to this object so that method calls can be chained together.*/"
you're launching more than one instance in a <a>RunInstances</a> request.

```
@return Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@return The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecondaryPrivateIpAddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "secondaryPrivateIpAddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"setterMethodName" : "setSecondaryPrivateIpAddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableType" : "Integer",
  "complexType" : "Integer",
  "simpleType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : ""}
"variableSetterType" : "Integer",
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n\nThe number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n\n### Examples

```java
// Example 1
instances.add(new InstanceSpecification()
  .withAssociatePublicIpAddress(true)
  .withSecondaryPrivateIpAddressCount(2));

// Example 2
instances.add(new InstanceSpecification()
  .withAssociatePublicIpAddress(false)
  .withSecondaryPrivateIpAddressCount(0));
```

\</p>\n\n### AssociatePublicIpAddress

- **Type**: Boolean
- **Default**: true
- **Description**: Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is true.

### FluentSetterDocumentation

- **Type**: null
- **Description**: Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is true.

### FluentSetterMethodName

- **Type**: "withAssociatePublicIpAddress"
- **Description**: Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is true.

### GetterDocumentation

- **Type**: null
- **Description**: Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is true.

```java
public boolean withAssociatePublicIpAddress()
{
  return this.associatePublicIpAddress;
}
```
"getterMethodName" : "getAssociatePublicIpAddress",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociatePublicIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "associatePublicIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociatePublicIpAddress",
"setterDocumentation" : /*<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.*/

@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.

setterMethodName" : "setAssociatePublicIpAddress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : /*<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.*/

@param
associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>. *

@since

@deprecated

@<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.*

```

*"variable": {
    "variableDeclarationType": "Boolean",
    "variableName": "associatePublicIpAddress",
    "variableType": "Boolean",
    "documentation": "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"c2jName": "Ipv6Addresses",
"c2jShape": "InstanceIpv6AddressList",
"deprecated": false,
"documentation": "<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. </p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. </p>*/",
"fluentSetterMethodName": "withIpv6Addresses",
"getterDocumentation": "/**<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. </p>*/",
"getterMethodName": "getIpv6Addresses",
"getterModel": {
    "returnType": "java.util.List<InstanceIpv6Address>",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Addresses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceIpv6Address",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@returns \n\*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceIpv6Address",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : " /**<
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**
One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
*/
@param ipv6Addresses One or more IPv6 addresses to assign to the network interface. You cannot specify this option if you've specified a minimum number of instances to launch.*/",
**setterMethodName** : "setIpv6Addresses",
**setterModel** : {
  **variableDeclarationType** : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
  **variableName** : "ipv6Addresses",
  **variableType** : "java.util.List<InstanceIpv6Address>",
  **documentation** : "",
  **simpleType** : "List<InstanceIpv6Address>",
  **variableSetterType** : "java.util.Collection<InstanceIpv6Address>",
},
**simple** : false,
**varargSetterDocumentation** : "/**<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setIpv6Addresses(java.util.Collection)] or [@link #withIpv6Addresses(java.util.Collection)] if you want to override the existing values.</p><p>@param ipv6Addresses One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
**variable** : {
  **variableDeclarationType** : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
  **variableName** : "ipv6Addresses",
  **variableType** : "java.util.List<InstanceIpv6Address>",
  **documentation** : "<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>",
  **simpleType** : "List<InstanceIpv6Address>",
  **variableSetterType** : "java.util.Collection<InstanceIpv6Address>",
},
**xmlNameSpaceUri** : null,
},
**c2jName** : "Ipv6AddressCount",
**c2jShape** : "Integer",
**deprecated** : false,
**documentation** : "<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
**enumType** : null,
**fluentSetterDocumentation** : "/**<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p><p>@param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
**fluentSetterMethodName** : "withIpv6AddressCount",
"getterDocumentation" : "/**<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@return A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6AddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6AddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**
@param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
** AssociatePublicIpAddress  

- **c2jName** : "AssociatePublicIpAddress",  
- **c2jShape** : "Boolean",  
- **deprecated** : false,  
- **documentation** : "Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>."  
- **enumType** : null,  
- **fluentSetterDocumentation** : "Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>."

** AssociatePublicIpAddress  

- **c2jName** : "AssociatePublicIpAddress",  
- **c2jShape** : "Boolean",  
- **deprecated** : false,  
- **documentation** : "Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>."

** AssociatePublicIpAddress  

- **c2jName** : "AssociatePublicIpAddress",  
- **c2jShape** : "Boolean",  
- **deprecated** : false,  
- **documentation** : "Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>."
interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is

```typescript
true</code>.

```

"getterMethodName" : "getAssociatePublicIpAddress",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociatePublicIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "associatePublicIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociatePublicIpAddress",
"setterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>*/
@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.

```

"setterMethodName" : "setAssociatePublicIpAddress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to an instance you
launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

@<p>

@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {  
"variableDeclarationType" : "Boolean",  
"variableName" : "associatePublicIpAddress",  
"variableType" : "Boolean",  
"documentation" : "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>

You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

"simpleType" : "Boolean",  
"variableSetterType" : "Boolean"
},  
"xmlNameSpaceUri" : null
},  
"DeleteOnTermination" : {  
"c2jName" : "DeleteOnTermination",  
"c2jShape" : "Boolean",  
"deprecated" : false,  
"documentation" : "<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

@<p>

@param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.

@<p>

@return Returns a reference to this object so that method calls can be chained together.*/

"enumType" : null,  
"fluentSetterDocumentation" : "/*.<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>

@<p>

@return Returns a reference to this object so that method calls can be chained together.*/

"getterDocumentation" : "/*.<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>

@<p>

@return Returns a reference to this object so that method calls can be chained together.*/

"getMethod" : {  
"returnType" : "Boolean",  
"documentation" : null
},  
"http" : {  
"additionalMarshallingPath" : null,  
"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,
**DeleteOnTermination**

- **setterDocumentation**: 
  
  If set to **true**, the interface is deleted when the instance is terminated. You can specify **true** only if creating a new network interface when launching an instance.
  
  ```
  @param deleteOnTermination If set to **true**, the interface is deleted when the instance is terminated. You can specify **true** only if creating a new network interface when launching an instance.
  ```

- **setterMethodName**: setDeleteOnTermination

- **variable**: 
  
  - **variableDeclarationType**: Boolean
  - **variableName**: deleteOnTermination
  - **variableType**: Boolean
  - **documentation**: If set to **true**, the interface is deleted when the instance is terminated. You can specify **true** only if creating a new network interface when launching an instance.
  
  ```
  @return Returns a reference to this object so that method calls can be chained together.
  ```

- **simple**: true

- **varargSetterDocumentation**: 
  
  If set to **true**, the interface is deleted when the instance is terminated. You can specify **true** only if creating a new network interface when launching an instance.
  
  ```
  @param deleteOnTermination If set to **true**, the interface is deleted when the instance is terminated. You can specify **true** only if creating a new network interface when launching an instance.
  ```

- **variable**: 
  
  - **variableDeclarationType**: Boolean
  - **variableName**: deleteOnTermination
  - **variableType**: Boolean
  - **documentation**: If set to **true**, the interface is deleted when the instance is terminated. You can specify **true** only if creating a new network interface when launching an instance.
  
  ```
  ```
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.",
"enumType" : null,
"fluentSetterDocumentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.",
"getterDocumentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.",
"setterDocumentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
},
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DeviceIndex",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "deviceIndex",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DeviceIndex",
"setterDocumentation": "<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
@param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.
@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName": "setDeviceIndex",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "deviceIndex",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
@param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "deviceIndex",
  "variableType": "Integer",
  "documentation": "<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
"xmlNameSpaceUri": null
},
"Groups": {
  "c2jName": "Groups",
  "c2jShape": "SecurityGroupIdStringList",
"xmlNameSpaceUri": null
},
"Groups": {
  "c2jName": "Groups",
  "c2jShape": "SecurityGroupIdStringList"
"deprecated" : false,
"documentation" : "<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>@return The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
   "returnType" : "java.util.List<String>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SecurityGroupId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "SecurityGroupId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "java.util.List<String>",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
         "location" : null,
         "marshallLocationName" : "SecurityGroupId",
         "queryString" : false,
         "statusCode" : false,
         "unmarshallLocationName" : "SecurityGroupId",
         "uri" : false
      }
   },
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SecurityGroupId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SecurityGroupId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/*\<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>\@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/*\<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\n\<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setGroups(java.util.Collection)\} or \{@link #withGroups(java.util.Collection)\} if you want to override the existing values.\</p>\@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"Ipv6AddressCount" : {
  "c2jName" : "Ipv6AddressCount",
  "c2jShape" : "Integer"}
A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.

**withIpv6AddressCount**

@returns Returns a reference to this object so that method calls can be chained together.

```
name: "Ipv6AddressCount",

documentation: "A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.

@returns A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch."
```
A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch. You cannot specify this option if you've specified a minimum number of instances to launch.

A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.

One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
specify this option if you've specified a minimum number of instances to launch.

@returns Returns a reference to this object so that method calls can be chained together.

/**
 * One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
 */

@returns

/**
 * One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
 */
"getterModel" : {
  "returnType" : "InstanceIpv6Address",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>" }

"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>
@param ipv6Addresses One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.
@param ipv6Addresses One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>",

"xmlNameSpaceUri" : null

"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>@return The ID of the network interface.</p>*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.</p>*/",
  "setterMethodName" : "setNetworkInterfaceId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableSetterType" : "java.util.Collection<InstanceIpv6Address>"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId
The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 address of the network interface. Applies only if creating a network
interface when launching an instance. You cannot specify this option if you're launching more than one instance in a
<a>RunInstances</a> request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The private IPv4 address of the network interface. Applies only if
creating a network interface when launching an instance. You cannot specify this option if you're launching more than
one instance in a <a>RunInstances</a> request.</p>
@param privateIpAddress The private IPv4 address of
the network interface. Applies only if creating a network interface when launching an instance. You cannot specify
this option if you're launching more than one instance in a <a>RunInstances</a> request.
@return Returns a
reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**<p>The private IPv4 address of the network interface. Applies only if
creating a network interface when launching an instance. You cannot specify this option if you're launching more than
one instance in a <a>RunInstances</a> request.</p>
@return The private IPv4 address of the network interface.
Applies only if creating a network interface when launching an instance. You cannot specify this option if you're
launching more than one instance in a <a>RunInstances</a> request.
*/",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**\<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\</p>\n@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "\<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"xmlNameSpaceUri" : null
},
"PrivateIpAddresses" : {
 "c2jName" : "PrivateIpAddresses",
 "c2jShape" : "PrivateIpAddressSpecificationList",
 "deprecated" : false,
 "documentation" : "<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withPrivateIpAddresses",
 "getterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@return One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
 "getterMethodName" : "getPrivateIpAddresses",
 "getterModel" : {
 "returnType" : "java.util.List<PrivateIpAddressSpecification>",
 "documentation" : null
 },
 "http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "privateIpAddressesSet",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "additionalMarshallingPath" : null,
 " additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "privateIpAddressesSet",
 "uri" : false
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 "interfaceType" : "java.util.List",
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 "greedy" : false,
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 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "statusCode" : false,
 "unmarshallLocationName" : "privateIpAddressesSet",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "PrivateIpAddresses",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "privateIpAddressesSet",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
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"c2jName": "member",
"c2jShape": "PrivateIpAddressSpecification",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**return */",
"getMethodName": "getMember",
"getModel": {
"returnType": "PrivateIpAddressSpecification",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "PrivateIpAddressSpecification",
"variableName": "member",
"variableType": "PrivateIpAddressSpecification",
"documentation": "",
"simpleType": "PrivateIpAddressSpecification",
"variableSetterType": "PrivateIpAddressSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",}
"variable" : {
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  "variableName" : "member",
  "variableType" : "PrivateIpAddressSpecification",
  "documentation" : "",
  "simpleType" : "PrivateIpAddressSpecification",
  "variableSetterType" : "PrivateIpAddressSpecification"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "PrivateIpAddressSpecification",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrivateIpAddressSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"templateType" : "java.util.List<PrivateIpAddressSpecification>",
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<PrivateIpAddressSpecification>",
  "documentation" : "",
  "simpleType" : "List<PrivateIpAddressSpecification>",
  "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/
@return Returns a reference to this object so that method calls can be chained
together.*"},
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
    "variableName" : "privateIpAddresses",
    "variableType" : "java.util.List<PrivateIpAddressSpecification>",
    "documentation" : "<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
    "simpleType" : "List<PrivateIpAddressSpecification>",
    "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
  },
  "xmlNameSpaceUri" : null,
  "SecondaryPrivateIpAddressCount" : {
    "c2jName" : "SecondaryPrivateIpAddressCount",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
    \param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
    \return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
    "getterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
    \return The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n    \return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getSecondaryPrivateIpAddressCount",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location": null,
"marshallLocationName": "SecondaryPrivateIpAddressCount",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "secondaryPrivateIpAddressCount",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SecondaryPrivateIpAddressCount",
"setterDocumentation": "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>*/
@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setSecondaryPrivateIpAddressCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "secondaryPrivateIpAddressCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "secondaryPrivateIpAddressCount",
  "variableType": "Integer",
  "documentation": "The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},

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"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.",
  "getterDocumentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.",
  "getterMethodName" : "getSubnetId",
  "getterModel" : { },
  "http" : { 
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "subnetId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SubnetId",
  "setterDocumentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.",
  "setterMethodName" : "setSubnetId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "subnetId",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.\n@param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.\n@param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.\n@return Returns a reference to this object so that method calls can be chained together.*",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceNetworkInterfaceSpecification",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
"variableName" : "instanceNetworkInterfaceSpecification",
"variableType" : "InstanceNetworkInterfaceSpecification",
"documentation" : null,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
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"wrapper" : false
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"InstancePrivateIpAddress" : {
"c2jName" : "InstancePrivateIpAddress",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"InstancePrivateIpAddress" : {
"c2jName" : "InstancePrivateIpAddress",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "&lt;p&gt;Describes a private IPv4 address.&lt;/p&gt;",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The private IPv4 address of the network interface.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The private IPv4 address of the network interface.&lt;/p&gt;&lt;n&gt;&lt;param&gt;
privateIpAddress The private IPv4 address of the network interface.&lt;/n&gt;&lt;return&gt; Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**&lt;p&gt;The private IPv4 address of the network interface.&lt;/p&gt;&lt;n&gt;&lt;return&gt; The private IPv4 address of the network interface.*/",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PrivateIpAddress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "privateIpAddress",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "PrivateIpAddress",
  "setterDocumentation" : "/**&lt;p&gt;The private IPv4 address of the network interface.&lt;/p&gt;&lt;n&gt;&lt;param&gt;

private IpAddress The private IPv4 address of the network interface.*"/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 address of the network interface.</p>
@param privateIpAddress The private IPv4 address of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The private IPv4 address of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
  "c2jName" : "PrivateDnsName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 DNS name.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The private IPv4 DNS name.</p>
@param privateDnsName The private IPv4 DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateDnsName",
  "getterDocumentation" : "/**<p>The private IPv4 DNS name.</p>
@return The private IPv4 DNS name.*/",
  "getterMethodName" : "getPrivateDnsName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "PrivateDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**\n@param privateDnsName The private IPv4 DNS name.\n\n*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateDnsName",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 }
 },
"simple" : true,
"varargSetterDocumentation" : "/**\n@param privateDnsName The private IPv4 DNS name.\n\n*/\n\n@returns{String} Returns a reference to this object so that method calls can be chained together.\n",
"variable" : {
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 "variableName" : "privateDnsName",
 "variableType" : "String",
 "documentation" : "<p>The private IPv4 DNS name.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlnsNamespaceUri" : null
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"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param primary Indicates whether this IPv4 address is the primary private IP address of the network interface.\n\n*/\n\n@returns{String} Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "withPrimary"
"getterDocumentation" : "/**\n* Indicates whether this IPv4 address is the primary private IP address of the
* network interface.\n*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**\n* Indicates whether this IPv4 address is the primary private IP address of the
* network interface.\n*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates whether this IPv4 address is the primary private IP address of the
* network interface.\n*/",
"vararg" : {
"variableDeclarationType" : "Boolean",
"variable" : {
"variableDeclarationType" : "Boolean"}}
interface.*/,
"setterMethodName" : "setAssociation",
"setterModel" : {
"variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
"variableName" : "association",
"variableType" : "InstanceNetworkInterfaceAssociation",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceAssociation",
"variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**\<p>The association information for an Elastic IP address for the network interface.\n\@param association The association information for an Elastic IP address for the network interface.\n\@return Returns a reference to this object so that method calls can be chained together.*\"",
"variable" : {
"variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
"variableName" : "association",
"variableType" : "InstanceNetworkInterfaceAssociation",
"documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",
"simpleType" : "InstanceNetworkInterfaceAssociation",
"variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
"Association" : {
"c2jName" : "Association",
"c2jShape" : "InstanceNetworkInterfaceAssociation",
"deprecated" : false,
"documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>The association information for an Elastic IP address for the network interface.\n\@param association The association information for an Elastic IP address for the network interface.\n\@return Returns a reference to this object so that method calls can be chained together.*\"",
"fluentSetterMethodName" : "withAssociation",
"getterDocumentation" : "/**\<p>The association information for an Elastic IP address for the network interface.\n\@return The association information for an Elastic IP address for the network interface.*\"",
"getterMethodName" : "getAssociation",
"getterModel" : {
"returnType" : "InstanceNetworkInterfaceAssociation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Association",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "association",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
"setterDocumentation" : "/**<p>The association information for an Elastic IP address for the network interface.</p>
@param association The association information for an Elastic IP address for the network interface.*/",
"setterMethodName" : "setAssociation",
"setterModel" : {
"variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
"variableName" : "association",
"variableType" : "InstanceNetworkInterfaceAssociation",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceAssociation",
"variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The association information for an Elastic IP address for the network interface.</p>
@param association The association information for an Elastic IP address for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
"variableName" : "association",
"variableType" : "InstanceNetworkInterfaceAssociation",
"documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",
"simpleType" : "InstanceNetworkInterfaceAssociation",
"variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
},
"Primary" : {
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>
@param primary Indicates whether this IPv4 address is the primary private IP address
of the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>
@return Indicates whether this IPv4 address is the primary private IP address of
the network interface.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>
@param primary Indicates whether this IPv4 address is the primary private IP address of
the network interface.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IP address
of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network
interface.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"PrivateDnsName" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private IPv4 DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 DNS name.</p>\n@param privateDnsName The
private IPv4 DNS name.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private IPv4 DNS name.</p>\n@return The private IPv4 DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,

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"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private IPv4 DNS name.<p>@param privateDnsName The private IPv4 DNS name.</p>*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 DNS name.<p>@param privateDnsName The private IPv4 DNS name.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "<p>The private IPv4 DNS name.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 address of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The private IPv4 address of the network interface.<p>@param privateIpAddress The private IPv4 address of the network interface.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**<p>The private IPv4 address of the network interface.<p>@return The private IPv4 address of the network interface.</p>*/",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IPv4 address of the network interface.</p>
@param privateIpAddress The private IPv4 address of the network interface.</p>*/"",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 address of the network interface.</p>
@param privateIpAddress The private IPv4 address of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "<p>The private IPv4 address of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
}.

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "InstancePrivateIpAddress",}
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstancePrivateIpAddress",
  "variableName" : "instancePrivateIpAddress",
  "variableType" : "InstancePrivateIpAddress",
  "documentation" : null,
  "simpleType" : "InstancePrivateIpAddress",
  "variableSetterType" : "InstancePrivateIpAddress"
},
"wrapper" : false
},
"InstanceState" : {
  "c2jName" : "InstanceState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the current state of an instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "marshallers" : null,
  "members" : [
    {
      "c2jName" : "Code",
      "c2jShape" : "Integer",
      "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.";
      "enumType" : null,
      "fluentSetterDocumentation" : "/** The low byte represents the state. The high byte is an opaque internal value and should be ignored.*/
    }
  ],
  "name" : null,
  "namespace" : null,
  "nuget" : null,
  "parameters" : null,
  "returns" : null,
  "since" : null,
  "summary" : null,
  "tags" : null,
  "templates" : null,
  "typeArguments" : null,
  "typeParameters" : null,
  "url" : null
}
*/

code The low byte represents the state. The high byte is an opaque internal value and should be ignored.<p> <ul> <li> <p> <code>0</code> : <code>pending</code> </p> </li> <li> <p> <code>16</code> : <code>running</code> </p> </li> <li> <p> <code>32</code> : <code>shutting-down</code> </p> </li> <li> <p> <code>48</code> : <code>terminated</code> </p> </li> <li> <p> <code>64</code> : <code>stopping</code> </p> </li> <li> <p> <code>80</code> : <code>stopped</code> </p> </li> \n@Inspectable ParameterTypeInspection
code

"setterMethodName": "setCode",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "code",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
<li><code>0</code>: <code>pending</code>
<li><code>16</code>: <code>running</code>
<li><code>32</code>: <code>shutting-down</code>
<li><code>48</code>: <code>terminated</code>
<li><code>64</code>: <code>stopping</code>
<li><code>80</code>: <code>stopped</code>
*/",
"variable": {
"variableDeclarationType": "Integer",
"variableName": "code",
"variableType": "Integer",
"documentation": "<p>The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
<ul>
<li><code>0</code>: <code>pending</code>
<li><code>16</code>: <code>running</code>
<li><code>32</code>: <code>shutting-down</code>
<li><code>48</code>: <code>terminated</code>
<li><code>64</code>: <code>stopping</code>
</ul>
"simple": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null,
"c2jName": "Name",
"c2jShape": "InstanceStateName",
"deprecated": false,
"documentation": "<p>The current state of the instance.</p>",
"enumType": "InstanceStateName",
"fluentSetterDocumentation": "/**<p>The current state of the instance.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withName",
"getterDocumentation": "/**<p>The current state of the instance.\n@return The current state of the instance.</p>,\n*/"}
instance.

@see InstanceStateName*/

"getterMethodName" : "getName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Name",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "name",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",

"setterDocumentation" : "/**\n<p>The current state of the instance.</p>
@param name The current state of the instance.
@see InstanceStateName*/",

"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**\n<p>The current state of the instance.</p>
@param name The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceStateName*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableSetterType": "String",
"xmlNameSpaceUri": null
],
"membersAsMap": {
"Code": {
"c2jName": "Code",
"c2jShape": "Integer",
"deprecated": false,

"documentation": "The low byte represents the state. The high byte is an opaque internal value and should be ignored."
"enumType": null,

"fluentSetterDocumentation": "The low byte represents the state. The high byte is an opaque internal value and should be ignored."
"getterDocumentation": "The low byte represents the state. The high byte is an opaque internal value and should be ignored."
"getterMethodName": "getCode",
"getterModel": {
"returnType": "Integer",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Code",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",

"setterDocumentation" : "/**
<p>The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
<ul>
<li> <p> <code>0</code> : <code>pending</code> </p> </li>
<li> <code>16</code> : <code>running</code> </li>
<li> <code>32</code> : <code>shutting-down</code> </li>
<li> <code>48</code> : <code>terminated</code> </li>
<li> <code>64</code> : <code>terminated</code> </li>
<li> <code>80</code> : <code>stopped</code> </li>
</ul>
@param code The low byte represents the state. The high byte is an opaque internal value and should be ignored.*/",

"setterMethodName" : "setCode",

"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "code",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"simple" : true,

"varargSetterDocumentation" : "/**
<p>The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
<ul>
<li> <p> <code>0</code> : <code>pending</code> </p> </li>
<li> <code>16</code> : <code>running</code> </li>
<li> <code>32</code> : <code>shutting-down</code> </li>
<li> <code>48</code> : <code>terminated</code> </li>
<li> <code>64</code> : <code>stopped</code> </li>
</ul>
@param code The low byte represents the state. The high byte is an opaque internal value and should be ignored.*/

"variable" : {
  "variableDeclarationType" : "Integer",

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```java
/**
 * The low byte represents the state. The high byte is an opaque internal value and should be ignored.
 * @param code The low byte represents the state. The high byte is an opaque internal value and should be ignored.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"variableName" : "code",
"variableType" : "Integer",
"documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.",

<ul>
  <li> <code>0</code> : <code>pending</code> </li>
  <li> <code>16</code> : <code>running</code> </li>
  <li> <code>32</code> : <code>shutting-down</code> </li>
  <li> <code>48</code> : <code>terminated</code> </li>
  <li> <code>64</code> : <code>stopping</code> </li>
  <li> <code>80</code> : <code>stopped</code> </li>
</ul>
"mapModel": null,
"name": "Name",
"setterDocumentation": "/**<p>The current state of the instance.</p>
@param name The current state of the instance.
@see InstanceStateName*/",
"setterMethodName": "setName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "name",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The current state of the instance.</p>
@param name The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceStateName*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "name",
  "variableType": "String",
  "documentation": "<p>The current state of the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "InstanceState",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "InstanceState",
  "variableName": "instanceState",
  "variableType": "InstanceState",
  "documentation": null,
  "simpleType": "InstanceState",
  "variableSetterType": "InstanceState"
},
"wrapper": false,
"InstanceStateChange": [
  "c2jName": "InstanceStateChange",
  "variable": [
    "variableDeclarationType": "InstanceState",
    "variableName": "instanceState",
    "variableType": "InstanceState",
    "documentation": null,
    "simpleType": "InstanceState",
    "variableSetterType": "InstanceState"
  ],
  "wrapper": false
]
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an instance state change.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  { "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * The ID of the instance.
     * @param instanceId The ID of the instance.
     * @return Returns a reference to this object so that method calls can be chained together.
     */",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**
     * The ID of the instance.
     * @return The ID of the instance.
     */",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "instanceId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
  },
  ...
}
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**\n* The ID of the instance.
*\n@param instanceId The ID of the instance.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The ID of the instance.
*\n@param instanceId The ID of the instance.
*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "\nThe ID of the instance.
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
],
],
"c2jName": "CurrentState",
"c2jShape": "InstanceState",
"deprecated": false,
"documentation": "\nThe current state of the instance.
",
"enumType": null,
"fluentSetterDocumentation": "/**\n* The current state of the instance.
*\n@param currentState The current state of the instance.
*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCurrentState",
"getterDocumentation": "/**\n* The current state of the instance.
*\n@return The current state of the instance.*/",
"getterMethodName": "getCurrentState",
"getterModel": {
  "returnType": "InstanceState",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "map": false,
"getterDocumentation" : "/**<p>The previous state of the instance.</p>@return The previous state of the instance.</p>*/",
"getterMethodName" : "getPreviousState",
"getterModel" : {
"returnType" : "InstanceState",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PreviousState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "previousState",
"uri" : false
},

"idempotencyToken" : false,

"list" : false,
"listModel" : null,

"map" : false,
"mapModel" : null,

"name" : "PreviousState",

"setterDocumentation" : "/**<p>The previous state of the instance.</p>@param previousState The previous state of the instance.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"setterMethodName" : "setPreviousState",

"setterModel" : {
"variableDeclarationType" : "InstanceState",
"variableName" : "previousState",
"variableType" : "InstanceState",
"documentation" : "",
"simpleType" : "InstanceState",

"variableSetterType" : "InstanceState"
},

"simple" : false,

"varargSetterDocumentation" : "/**<p>The previous state of the instance.</p>@param previousState The previous state of the instance.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable" : {
"variableDeclarationType" : "InstanceState",
"variableName" : "previousState",
"variableType" : "InstanceState",
"documentation" : "<p>The previous state of the instance.</p>"},
"simpleType" : "InstanceState",
"variableSetterType" : "InstanceState"
},
"xmlnsNameSpaceUri" : null
} ],
"membersAsMap" : {
"CurrentState" : {
"c2jName" : "CurrentState",
"c2jShape" : "InstanceState",
"deprecated" : false,
"documentation" : "<p>The current state of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The current state of the instance.</p>
@param currentState The current state of the instance.
@return Returns a reference to this object so that method calls can be chained
     together.*/",
"fluentSetterMethodName" : "withCurrentState",
"getterDocumentation" : "/**<p>The current state of the instance.</p>
@return The current state of the instance.
*/",
"getterMethodName" : "getCurrentState",
"getterModel" : {
"returnType" : "InstanceState",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrentState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "currentState",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrentState",
"setterDocumentation" : "/**<p>The current state of the instance.</p>
@param currentState The current state of the instance.
*/",
"setterMethodName" : "setCurrentState",
"setterModel" : {
"returnType" : "InstanceState",
"documentation" : null
},
"xmlNameSpaceUri" : null
} ]
} },
"variableDeclarationType" : "InstanceState",
"variableName" : "currentState",
"variableType" : "InstanceState",
"documentation" : "",
"simpleType" : "InstanceState",
"variableSetterType" : "InstanceState"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* The current state of the instance.
*/
@param currentState The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "InstanceState",
"variableName" : "currentState",
"variableType" : "InstanceState",
"documentation" : "<p>The current state of the instance.</p>
",  
"simpleType" : "InstanceState",
"variableSetterType" : "InstanceState"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>
",  
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The ID of the instance.
*/
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**\n* The ID of the instance.
*/
@return The ID of the instance.
*/",
"getMethodName" : "getInstanceId",
"getModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "*/**p> The ID of the instance.\n@\n@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**p> The ID of the instance.\n@\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "\nThe ID of the instance.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PreviousState" : {
  "c2jName" : "PreviousState",
  "c2jShape" : "InstanceState",
  "deprecated" : false,
  "documentation" : "\nThe previous state of the instance.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "*/**p> The previous state of the instance.\n@\n@param previousState The previous state of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPreviousState",
  "getterDocumentation" : "*/**p> The previous state of the instance.\n@\n@return The previous state of the instance.*/",
  "getterMethodName" : "getPreviousState",
  "getterModel" : {
    "returnType" : "InstanceState",
    "documentation" : null
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PreviousState",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "previousState",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "PreviousState",
  "setterDocumentation": "/**\n   * The previous state of the instance.
   * \n   * @param previousState The previous state of the instance.
   */",
  "setterMethodName": "setPreviousState",
  "setterModel": {
    "variableDeclarationType": "InstanceState",
    "variableName": "previousState",
    "variableType": "InstanceState",
    "documentation": "",
    "simpleType": "InstanceState",
    "variableSetterType": "InstanceState"
  },
  "simple": false,
  "varargSetterDocumentation": "/**\n   * The previous state of the instance.
   * \n   * @param previousState The previous state of the instance.
   * \n   * @return Returns a reference to this object so that method calls can be chained together.
   */",
  "variable": {
    "variableDeclarationType": "InstanceState",
    "variableName": "previousState",
    "variableType": "InstanceState",
    "documentation": "<p>The previous state of the instance.</p>",
    "simpleType": "InstanceState",
    "variableSetterType": "InstanceState"
  },
  "xmlNameSpaceUri": null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceStateChange",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstanceStateChange",
  "variableName" : "instanceStateChange",
  "variableType" : "InstanceStateChange",
  "documentation" : null,
  "simpleType" : "InstanceStateChange",
  "variableSetterType" : "InstanceStateChange"
},
"wrapper" : false
},
"InstanceStateName" : {
  "c2jName" : "InstanceStateName",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Pending",
    "value" : "pending"
  }, {
    "name" : "Running",
    "value" : "running"
  }, {
    "name" : "ShuttingDown",
    "value" : "shutting-down"
  }, {
    "name" : "Terminated",
    "value" : "terminated"
  }, {
    "name" : "Stopping",
    "value" : "stopping"
  }, {
    "name" : "Stopped",
    "value" : "stopped"
  } ],
  "errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceStateName",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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  "variableName" : "instanceStateName",
  "variableType" : "InstanceStateName",
  "documentation" : null,
  "simpleType" : "InstanceStateName",
  "variableSetterType" : "InstanceStateName"
},
"wrapper" : false
},
"InstanceStatus" : {
  "c2jName" : "InstanceStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the status of an instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ { 
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "variableName" : "instanceId",
    "variableDeclarationType" : "String",
    "variableType" : "String",
    "documentation" : "<p>The ID of the instance.</p>"}
  ]
}
}
"fluentSetterDocumentation" : "/** <p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/** <p>The ID of the instance.</p>\n@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/** <p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@param availabilityZone
The Availability Zone of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@return The Availability Zone of the instance.
* /",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@param availabilityZone
The Availability Zone of the instance.
* /",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@param availabilityZone
The Availability Zone of the instance.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "Events",
  "c2jShape" : "InstanceStatusEventList",
  "deprecated" : false,
  "documentation" : "<p>Any scheduled events associated with the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>Any scheduled events associated with the instance.</p>
@param events Any scheduled events associated with the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withEvents",
  "getterDocumentation" : "<p>Any scheduled events associated with the instance.</p>
@return Any scheduled events associated with the instance.
*/",
  "getterMethodName" : "getEvents",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceStatusEvent>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EventsSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "eventsSet",}
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceStatusEvent",
    "deprecated" : false,
    "documentation" : 
    "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : 
    "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceStatusEvent",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  }
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : 
  "/**
   * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceStatusEvent",
  "variableName" : "member",
}
"variableType" : "InstanceStatusEvent",
"documentation" : "",
"simpleType" : "InstanceStatusEvent",
"variableSetterType" : "InstanceStatusEvent"
}.
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceStatusEvent",
"variableName" : "member",
"variableType" : "InstanceStatusEvent",
"documentation" : "",
"simpleType" : "InstanceStatusEvent",
"variableSetterType" : "InstanceStatusEvent"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceStatusEvent",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStatusEvent",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>",
"templateType" : "java.util.List<InstanceStatusEvent>
}.
"map" : false,
"mapModel" : null,
"name" : "Events",
"setterDocumentation" : "/**\n@param events Any
scheduled events associated with the instance.*/
\n@param events Any scheduled events associated with the instance.*/",
"setterMethodName" : "setEvents",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>",
"variableName" : "events",
"variableType" : "java.util.List<InstanceStatusEvent>",
"documentation" : "",
"simpleType" : "List<InstanceStatusEvent>",
"variableSetterType" : "java.util.Collection<InstanceStatusEvent>
"},
"simple" : false,
"varargSetterDocumentation" : "/**\nAny scheduled events associated with the
instance.*/
\nAny scheduled events associated with the
instance.*/",
"variableType" : "InstanceStatusEvent",
"documentation" : "",
"simpleType" : "InstanceStatusEvent",
"variableSetterType" : "InstanceStatusEvent"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nAny scheduled events associated with the
instance.*/
\nThis method appends the values to the existing list (if any). Use { @link
#setEvents(java.util.Collection)} or { @link #withEvents(java.util.Collection)} if you want to override the existing
values.</p>

@returns Returns a reference to this object so that method calls can be chained together.*"*/,

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>",
  "variableName" : "events",
  "variableType" : "java.util.List<InstanceStatusEvent>",
  "documentation" : "<p>Any scheduled events associated with the instance.</p>",
  "simpleType" : "List<InstanceStatusEvent>",
  "variableSetterType" : "java.util.Collection<InstanceStatusEvent>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceState",
"c2jShape" : "InstanceState",
"deprecated" : false,
"documentation" : "<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>

@returns Returns a reference to this object so that method calls can be chained together.*"*/",
"fluentSetterMethodName" : "withInstanceState",
"getterDocumentation" : "/**<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>

@returns The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.*"*/",
"getterMethodName" : "getInstanceState",
"getterModel" : {
  "returnType" : "InstanceState",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceState",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceState",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
**InstanceState**

The intended state of the instance. `<a>DescribeInstanceStatus</a>` requires that an instance be in the `<code>running</code>` state.

```
/**
 * The intended state of the instance. `<a>DescribeInstanceStatus</a>` requires that an instance be in the `<code>running</code>` state.
 */

@see DescribeInstanceStatus

@type InstanceState

```

**SystemStatus**

Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.

```
/**
 * Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.
 */

@see DescribeInstanceStatus

@type SystemStatus

```

---

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"getterMethodName" : "getSystemStatus",
"getterModel" : {
  "returnType" : "InstanceStatusSummary",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SystemStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "systemStatus",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SystemStatus",
"setterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>
@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.*/",
"setterMethodName" : "setSystemStatus",
"setterModel" : {
  "variableDeclarationType" : "InstanceStatusSummary",
  "variableName" : "systemStatus",
  "variableType" : "InstanceStatusSummary",
  "documentation" : "",
  "simpleType" : "InstanceStatusSummary",
  "variableSetterType" : "InstanceStatusSummary"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>
@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceStatusSummary",
  "variableName" : "systemStatus",
  "variableType" : "InstanceStatusSummary",
  "documentation" : null
}
"variableType" : "InstanceStatusSummary",
  "documentation" : "<p>Reports impaired functionality that stems from issues related to the systems that
  support an instance, such as hardware failures and network connectivity problems.</p>",
  "simpleType" : "InstanceStatusSummary",
  "variableSetterType" : "InstanceStatusSummary"
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  "xmlNameSpaceUri" : null
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  "c2jShape" : "InstanceStatusSummary",
  "deprecated" : false,
  "documentation" : "<p>Reports impaired functionality that stems from issues internal to the instance, such as
  impaired reachability.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the
  instance, such as impaired reachability.</p>
  @param instanceStatus Reports impaired functionality that stems from
  issues internal to the instance, such as impaired reachability.
  @return Returns a reference to this object so that
  method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceStatus",
  "getterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the instance,
  such as impaired reachability.</p>
  @return Reports impaired functionality that stems from issues internal to the
  instance, such as impaired reachability.*/",
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    "documentation" : null
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceStatus",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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"flattened": false,
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"marshallLocationName": "AvailabilityZone",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "availabilityZone",
"uri": false,
},
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AvailabilityZone",
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@param availabilityZone The Availability Zone of the instance.</p>\n@param availabilityZone The Availability Zone of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param availabilityZone The Availability Zone of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The Availability Zone of the instance.</p>",
  "simpleType": "String",
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  "c2jShape": "InstanceStatusEventList",
  "deprecated": false,
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"enumType" : null,
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@param events Any scheduled events associated with the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Any scheduled events associated with the instance.*/",
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"getterModel" : {
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"documentation" : null
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"interfaceType" : "java.util.List",
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"enumType" : null,
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"getterDocumentation" : "@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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"documentation" : "" ,  
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"variableSetterType" : "InstanceStatusEvent"  
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"variableType" : "InstanceStatusEvent",  
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"variableSetterType" : "InstanceStatusEvent"  
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"templateType" : "java.util.List<InstanceStatusEvent>",
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"setterModel" : {
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"variableType" : "java.util.List<InstanceStatusEvent>",
"documentation" : "",
"simpleType" : "List<InstanceStatusEvent>",
"variableSetterType" : "java.util.Collection<InstanceStatusEvent>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Any scheduled events associated with the instance. </p>
@param events Any scheduled events associated with the instance. */
@return Returns a reference to this object so that method calls can be chained together. */",
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"documentation" : "<p>Any scheduled events associated with the instance.</p>",
"simpleType" : "List<InstanceStatusEvent>",
"variableSetterType" : "java.util.Collection<InstanceStatusEvent>"
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"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance. */

"getterMethodName" : "getInstanceId",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
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"mapModel" : null,
"name" : "InstanceId",
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  *\n  * @param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n  * The ID of the instance.
  *\n  * @param instanceId The ID of the instance.
  *
  * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>
  * @param instanceId The ID of the instance.
  *
  * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "InstanceState",
  "deprecated" : false,
  "documentation" : "The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state."",
  "enumType" : null,
  "fluentSetterDocumentation" : "The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
  @param instanceState The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
  @return Returns a reference to this object so that method calls can be chained together.*",
  "fluentSetterMethodName" : "withInstanceState",
  "getterDocumentation" : "The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
  @return The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state."
  }
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  "isStreaming" : false,
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  "uri" : false,
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"map" : false,
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  @return The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
  @param instanceState The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
  @return Returns a reference to this object so that method calls can be chained together.*",
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"documentation" : "",
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"variableSetterType" : "InstanceState"
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@param instanceState The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "InstanceState"
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"c2jShape" : "InstanceStatusSummary",
"deprecated" : false,
"documentation" : "<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>
@param instanceStatus Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>
@return Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.*/",
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"returnType" : "InstanceStatusSummary",
"documentation" : null
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"setterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>
@param instanceStatus Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.*/",
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  "typeName" : "instanceStatus",
  "variableType" : "InstanceStatusSummary",
  "documentation" : "",
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  "variableSetterType" : "InstanceStatusSummary"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>
@param instanceStatus Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>",
  "simpleType" : "InstanceStatusSummary",
  "variableSetterType" : "InstanceStatusSummary"
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  "c2jShape" : "InstanceStatusSummary",
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  "documentation" : "<p>Reports impaired functionality that stems from issues related to the systems that
support an instance, such as hardware failures and network connectivity problems.

"enumType" : null,
"fluentSetterDocumentation" : "/**\nReports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.\n*/",
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"documentation" : null
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"mapModel" : null,
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"setterModel" : {
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"variableName" : "systemStatus",
"variableType" : "InstanceStatusSummary",
"documentation" : ""
**Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.**

```java
@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.

@return Returns a reference to this object so that method calls can be chained together.*
```
"documentation" : "<p>Describe the instance status.</p>",
"enums" : null,
"errorCode" : null,
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"marshaller" : null,
"members" : [ { "c2jName" : "Name",
"c2jShape" : "StatusName",
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"enumType" : "StatusName",
"fluentSetterDocumentation" : "/**<p>The type of instance status.</p>\n@param name The type of instance status.\n@return Returns a reference to this object so that method calls can be chained together.\n@see StatusName*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>The type of instance status.</p>\n@return The type of instance status.\n@see StatusName*/",
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"uri" : false
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  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param name The type of instance status.
@return Returns a reference to this object so that method calls can be chained together.\n@see StatusName*/",
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  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "The type of instance status.\n\n@param name The type of instance status.\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see StatusName*/",
  "simple" : true,
  "varargSetterDocumentation" : "/**\n@param status The status.\n@return Returns a reference to this object so that method calls can be chained together.\n@see StatusType*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**\n@return The status.\n@see StatusType*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
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    "documentation" : null
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  "http" : {
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    "header" : false,
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    "isStreaming" : false,
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"statusCode": false,
"unmarshalledLocationName": "status",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Status",
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@param status The status.
@see StatusType*/",
"setterMethodName": "setStatus",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusType*/",
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  "variableType": "String",
  "documentation": "<p>The status.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "ImpairedSince",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"getterDocumentation": "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@return The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
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    "documentation" : null
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "impairedSince",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImpairedSince",
"setterDocumentation" : "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "java.util.Date",
    "documentation" : "",
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    "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "impairedSince",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>"},
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"ImpairedSince" : {
"c2jName" : "ImpairedSince",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched and impaired, this is the time when the instance was launched.</p>
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*///",
"fluentSetterMethodName" : "withImpairedSince",
"getterDocumentation" : "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@return The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.*/",
"getterMethodName" : "getImpairedSince",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImpairedSince",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "impairedSince",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImpairedSince",
"setterDocumentation" : "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*///",
"setterMethodName" : "withImpairedSince",
"setterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"SOAPBody" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
impaired, this is the time when the instance was launched.

```xml
<p@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.*"/>

"setterMethodName" : "setImpairedSince",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "impairedSince",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.*/
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*"",

"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "impairedSince",
  "variableType" : "java.util.Date",
  "documentation" : "The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched."
},
"xmlNameSpaceUri" : null
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "StatusName",
  "deprecated" : false,
  "documentation" : "The type of instance status."
},
"enumType" : "StatusName",
"fluentSetterDocumentation" : "/*<p>The type of instance status.*/
@param name The type of instance status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusName*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/*<p>The type of instance status.*/
@return The type of instance status.
@see StatusName*/",
"getterMethodName" : "getName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Name",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "name",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>The type of instance status.</p>
@param name The type of instance status.
@see StatusName*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of instance status.</p>
@param name The type of instance status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The type of instance status.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "StatusType",
  "deprecated" : false,
  "documentation" : "<p>The status.</p>",
  "enumType" : "StatusType",
  "name" : "Status",
  "simpleType" : "StatusType",
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The type of instance status.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"fluentSetterDocumentation" : "/**<p>The status.</p>
@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusType*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status.</p>
@return The status.
@see StatusType*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status.</p>
@param status The status.
@see StatusType*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status.</p>
@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The status.</p>",
  "<p>The status.</p>
  "variableType" : "String",
  "documentation" : "<p>The status.</p>",
  "<p>The status.</p>
  "variableType" : "String",
  "documentation" : "<p>The status.</p>",
  "<p>The status.</p>
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceStatusDetails",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "InstanceStatusDetails",
"variableName" : "instanceStatusDetails",
"variableType" : "InstanceStatusDetails",
"documentation" : null,
"simpleType" : "InstanceStatusDetails",
"variableSetterType" : "InstanceStatusDetails"
},
"wrapper" : false
},
"InstanceStatusEvent" : {
"c2jName" : "InstanceStatusEvent",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a scheduled event for an instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"member" : {
"c2jName" : "Code",
"c2jShape" : "EventCode",
"deprecated" : false,
"documentation" : "<p>The event code.</p>",
"enumType" : "EventCode",
"fluentSetterDocumentation" : "/** <p>The event code.</p>
@<p>The event code.\n*/\n
@returns Returns
a reference to this object so that method calls can be chained together.

```
"fluentSetterMethodName" : "withCode",
"getterDocumentation" : "/**<p>The event code.</p>
@return The event code.
@see EventCode*/",
"getterMethodName" : "getCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Code",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "code",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The event code.</p>
@param code The event code.
@see EventCode*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The event code.</p>
@param code The event code.
@return Returns
a reference to this object so that method calls can be chained together.
@see EventCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The event code.</p>",
  "simpleType" : "String"
}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the event.</p>
<p>After a scheduled event is completed, it can still be
described for up to a week. If the event has been completed, this description starts with the following text:
[Completed].</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>A description of the event.</p>
<p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
@param description A description of the event.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**
<p>A description of the event.</p>
<p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
@return A description of the event.</p>*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n<p>A description of the event.</p>\n<p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>\n@param description A description of the event.</p>\n<p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "complexType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>A description of the event.</p>\n<p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>\n@param description A description of the event.</p>\n<p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the event.</p>\n<p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>",
  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NotBefore",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The earliest scheduled start time for the event.</p>\n@param notBefore The earliest scheduled start time for the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**\n<p>The earliest scheduled start time for the event.</p>\n@param notBefore The earliest scheduled start time for the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNotBefore",
"getterDocumentation" : "/**\n<p>The earliest scheduled start time for the event.</p>\n@param notBefore The earliest scheduled start time for the event.\n@return The earliest scheduled start time for the event.*/",
"getterMethodName" : "getNotBefore",
"getterModel" : {
  "returnType" : "java.util.Date",
  "complexType" : "java.util.Date"}
**documentation**: The earliest scheduled start time for the event.

```java
/**
 * The earliest scheduled start time for the event.
 * @param notBefore The earliest scheduled start time for the event.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

private java.util.Date notBefore;

public void setNotBefore(java.util.Date notBefore) {
    this.notBefore = notBefore;
}

public java.util.Date getNotBefore() {
    return notBefore;
}
```

**variableDeclarationType**: java.util.Date

**variableName**: notBefore

**variableType**: java.util.Date

**documentation**: The earliest scheduled start time for the event.

```java
/**
 * The earliest scheduled start time for the event.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

private java.util.Date notBefore;

public void setNotBefore(java.util.Date notBefore) {
    this.notBefore = notBefore;
}

public java.util.Date getNotBefore() {
    return notBefore;
}
```
"c2jName" : "NotAfter",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The latest scheduled end time for the event.</p>",
"enumType" : null,
"fluentSetterDocumentation" : " /**<p>The latest scheduled end time for the event.</p>
@param notAfter The latest scheduled end time for the event.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNotAfter",
"getterDocumentation" : " /**<p>The latest scheduled end time for the event.</p>
@return The latest scheduled end time for the event. */",
"getterMethodName" : "getNotAfter",
"getterModel" : {
  "ReturnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NotAfter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "notAfter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NotAfter",
"setterDocumentation" : " /**<p>The latest scheduled end time for the event.</p>
@param notAfter The latest scheduled end time for the event.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setNotAfter",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "notAfter",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**\n   * The latest scheduled end time for the event.\n   * @param notAfter The latest scheduled end time for the event.\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
   "variableDeclarationType": "java.util.Date",
   "variableName": "notAfter",
   "variableType": "java.util.Date",
   "documentation": "<p>The latest scheduled end time for the event.</p>",
   "simpleType": "Date",
   "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null,
"membersAsMap": {
"Code": {
   "c2jName": "Code",
   "c2jShape": "EventCode",
   "deprecated": false,
   "documentation": "<p>The event code.</p>",
   "enumType": "EventCode",
   "fluentSetterDocumentation": "/**\n   * The event code.\n   * @param code The event code.\n   * @return Returns a reference to this object so that method calls can be chained together.\n   * @see EventCode*/",
   "fluentSetterMethodName": "withCode",
   "getterDocumentation": "/**\n   * The event code.\n   * @return The event code.\n   * @see EventCode*/",
   "getterMethodName": "getCode",
   "getterModel": {
      "returnType": "String",
      "documentation": null
   },
   "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Code",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "code",
      "uri": false
   },
   "idempotencyToken": false,
   "list": false,
   "listModel": null
}
The event code.
@param code The event code.
@see EventCode*/
@return
Returns a reference to this object so that method calls can be chained together.

After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].

A description of the event.
@param description A description of the event.
@return
Returns a reference to this object so that method calls can be chained together.

"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the event.</p> <p>After a scheduled event is completed, it
can still be described for up to a week. If the event has been completed, this description starts with the following
text: [Completed].</p>
@param description A description of the event.</p> <p>After a scheduled event is
completed, it can still be described for up to a week. If the event has been completed, this description starts with
the following text: [Completed].
@return Returns a reference to this object so that method calls can be chained
together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the event.</p> <p>After a scheduled event is completed, it
can still be described for up to a week. If the event has been completed, this description starts with the following
text: [Completed].</p>
@param description A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].
\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "varargSetterType" : "String"}
"variableType" : "String",
"documentation" : "<p>A description of the event.</p> After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NotAfter" : {
"c2jName" : "NotAfter",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The latest scheduled end time for the event.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@param notAfter The latest scheduled end time for the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNotAfter",
"getterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@return The latest scheduled end time for the event.*/",
"getterMethodName" : "getNotAfter",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NotAfter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "notAfter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NotAfter",
"setterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@param notAfter The
latest scheduled end time for the event.*"/
  "setterMethodName" : "setNotAfter",
  "setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "notAfter",
    "variableType" : "java.util.Date",
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\p<NOTE>\b This method appends the values to the existing list (if any). Use [ @link #setDetails(java.util.Collection) ] or [ @link #withDetails(java.util.Collection) ] if you want to override the existing values.\p</NOTE>\n\n@returns\nReturns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of
the Internet gateway.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "internetGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Internet gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "internetGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Internet gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "internetGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Internet gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "internetGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Internet gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Attachments",
  "c2jShape" : "InternetGatewayAttachmentList",
  "deprecated" : false,
  "documentation" : "<p>Any VPCs attached to the Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@param attachments
Any VPCs attached to the Internet gateway.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAttachments",
  "getterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@return Any VPCs attached to the Internet gateway.
*/",
  "getterMethodName" : "getAttachments",
  "getterModel" : {
    "returnType" : "java.util.List<InternetGatewayAttachment>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AttachmentSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachmentSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "InternetGatewayAttachment",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**
@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<InternetGatewayAttachment>",
        "documentation" : null
      },
      "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AttachmentSet",
        "queryString" : false,
        "statusCode" : false,
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        "uri" : false
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      "idempotencyToken" : false,
      "list" : true,
      "listModel" : {
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        "interfaceType" : "java.util.List",
        "listMemberModel" : {
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          "c2jShape" : "InternetGatewayAttachment",
          "deprecated" : false,
          "documentation" : "",
          "enumType" : null,
          "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
          "fluentSetterMethodName" : "withMember",
          "getterDocumentation" : "/**
@return */",
          "getterMethodName" : "getMember",
          "getterModel" : {
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            "documentation" : null
          },
          "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
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            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "AttachmentSet",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "attachmentSet",
            "uri" : false
          }
        }
      }
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "InternetGatewayAttachment",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InternetGatewayAttachment",
  "variableName" : "member",
  "variableType" : "InternetGatewayAttachment",
  "documentation" : "",
  "simpleType" : "InternetGatewayAttachment",
  "variableSetterType" : "InternetGatewayAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InternetGatewayAttachment",
  "variableName" : "member",
  "variableType" : "InternetGatewayAttachment",
  "documentation" : "",
  "simpleType" : "InternetGatewayAttachment",
  "variableSetterType" : "InternetGatewayAttachment"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "InternetGatewayAttachment",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InternetGatewayAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
"templateType" : "java.util.List<InternetGatewayAttachment>"
},
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@param attachments Any VPCs attached to the Internet gateway.*/",
"setterMethodName" : "setAttachments",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
  "variableName" : "attachments",
  "variableType" : "java.util.List<InternetGatewayAttachment>",
  "documentation" : "",
  "simpleType" : "List<InternetGatewayAttachment>",
  "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway. </p>
@link #setAttachments(java.util.Collection) or <@link #withAttachments(java.util.Collection) if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
  "variableName" : "attachments",
  "variableType" : "java.util.List<InternetGatewayAttachment>",
  "documentation" : "<p>Any VPCs attached to the Internet gateway.</p>",
  "simpleType" : "List<InternetGatewayAttachment>",
  "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@param tags Any tags assigned to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@return Any tags assigned to the Internet gateway. */",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : """,
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>

},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@param tags Any tags assigned to the Internet gateway.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {link #setTags(java.util.Collection)} or {link #withTags(java.util.Collection)} if you want to override the existing values.<p/>
@param tags Any tags assigned to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the Internet gateway.
",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Attachments" : {
    "c2jName" : "Attachments",
    "c2jShape" : "InternetGatewayAttachmentList",
    "deprecated" : false,
    "documentation" : "Any VPCs attached to the Internet gateway.
",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "xmlNameSpaceUri" : null
},
"varargSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@param attachments Any VPCs attached to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
"@return Any VPCs attached to the Internet gateway.*/
"setterMethodName" : "withAttachments",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@param attachments Any VPCs attached to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/
"getterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
"@return Any VPCs attached to the Internet gateway.*/
"setterMethodName" : "withAttachments",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
"};
"getterMethodName": "getAttachments",
"getterModel": {
    "returnType": "java.util.List<InternetGatewayAttachment>",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "AttachmentSet",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "attachmentSet",
    "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
        "c2jName": "member",
        "c2jShape": "InternetGatewayAttachment",
        "deprecated": false,
        "documentation": "",
        "enumType": null,
        "fluentSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withMember",
        "getterDocumentation": "/**\n@return */",
        "getterMethodName": "getMember",
        "getterModel": {
            "returnType": "InternetGatewayAttachment",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/** <p>Any VPCs attached to the Internet gateway.</p>*/
@param attachments Any VPCs attached to the Internet gateway. */
setterMethodName" : "setAttachments",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
"variableName" : "attachments",
"variableType" : "java.util.List<InternetGatewayAttachment>",
"documentation" : "",
"simpleType" : "List<InternetGatewayAttachment>",
"variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>Any VPCs attached to the Internet gateway.</p>
**NOTE**: This method appends the values to the existing list (if any). Use [ @link #setAttachments(java.util.Collection)]
or [ @link #withAttachments(java.util.Collection)] if you want to override the existing values.
@returns Returns a reference to this object so that method calls can be chained together. */
varable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
"variableName" : "attachments",
"variableType" : "java.util.List<InternetGatewayAttachment>",
"documentation" : "<p>Any VPCs attached to the Internet gateway.</p>",
"simpleType" : "List<InternetGatewayAttachment>",
"variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
},
"xmlNameSpaceUri" : null
},
"InternetGatewayId" : {
"c2jName" : "InternetGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The ID of the Internet gateway.</p>
@returns Returns a reference to this object so that method calls can be chained together. */
fluentSetterMethodName" : "withInternetGatewayId",
"getterDocumentation" : "/** <p>The ID of the Internet gateway.</p>
@returns The ID of the Internet gateway. */
getterMethodName" : "getInternetGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : 

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayId",
"setterDocumentation" : "/**\n* The ID of the Internet gateway.
*\n* @param internetGatewayId The ID of the Internet gateway.\n*/",
"setterMethodName" : "setInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "internetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the Internet gateway.\n*\n* @param internetGatewayId The ID of the Internet gateway.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "internetGatewayId",
  "variableType" : "String",
  "documentation" : "The ID of the Internet gateway.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InternetGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "internetGatewayId",
  "uri" : false
},
"deprecated" : false,
"documentation" : "Any tags assigned to the Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n@\n@return Any tags assigned to the Internet gateway.\n@return Any tags assigned to the Internet gateway.*/",
"getterMethodName" : "getTags",
"getterModel" : {
   "returnType" : "java.util.List<Tag>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "TagSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "tagSet",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "Tag",
         "documentation" : null
      }
   }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setMember",
"setterModel": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**
<p>Any tags assigned to the Internet gateway.</p>
@param tags Any tags assigned to the Internet gateway.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Any tags assigned to the Internet gateway.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>
@param tags Any tags assigned to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the Internet gateway.</p>
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InternetGateway",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType": "InternetGateway",
"variableName": "internetGateway",
"variableType": "InternetGateway",
"documentation": null,
"simpleType": "InternetGateway",
"variableSetterType": "InternetGateway"
},
"wrapper": false
},
"InternetGatewayAttachment": {
"c2jName": "InternetGatewayAttachment",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes the attachment of a VPC to an Internet gateway or an egress-only Internet gateway.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "VpcId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the VPC.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>*/",
    "fluentSetterMethodName": "withVpcId",
    "getterDocumentation": "/**<p>The ID of the VPC.</p>*/",
    "getterMethodName": "getVpcId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "m:"}
attachment.
@see AttachmentStatus*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the attachment.</p>
@param state The current state of the attachment.</p>
@see AttachmentStatus*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The current state of the attachment.</p>
@param state The current state of the attachment.</p>
@see AttachmentStatus*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"State" : {
"c2jName" : "State",
"c2jShape" : "AttachmentStatus",
"deprecated" : false,
"documentation" : "<p>The current state of the attachment.</p>",
"enumType" : "AttachmentStatus",
"fluentSetterDocumentation" : "/**<p>The current state of the attachment.</p><p>@param state The current state of the attachment.</p>\n@param Returns a reference to this object so that method calls can be chained together.</p>\n@see AttachmentStatus*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the attachment.</p><p>@return The current state of the attachment.</p>\n@see AttachmentStatus*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the attachment.</p><p>@param state The current state of the attachment.</p>\n@see AttachmentStatus*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"xmlNameSpaceUri" : null
} ]}
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n**/<p>The current state of the attachment.</p>\n@\n**/<p>The current state of the attachment.</p>\n@param state The current state of the attachment.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the attachment.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@\n**/<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**\n@\n**/<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    },
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "InternetGatewayAttachment",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InternetGatewayAttachment",
  "variableName" : "internetGatewayAttachment",
  "variableType" : "InternetGatewayAttachment",
  "documentation" : null,
  "simpleType" : "InternetGatewayAttachment",
  "variableSetterType" : "InternetGatewayAttachment"
}.}
"wrapper" : false
},
"IpPermission" : {
  "c2jName" : "IpPermission",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a security group rule.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "IpProtocol",
     "c2jShape" : "String",
     "deprecated" : false,
     "documentation" : "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).<br><p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. <p>}</p>,
     "enumType" : null,
     "fluentSetterDocumentation" : "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).<br><p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. <p>}</p>\n@returns Returns a reference to this object so that method calls can be chained
  "enumType" : null,
  "fluentSetterDocumentation" : "/** "
"
"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, 
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>
[p][EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than
<code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. </p>

\n@return The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>

<p>
[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */",
"getterMethodName" : "getIpProtocol",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpProtocol",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipProtocol",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, 
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>
[p][EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than
<code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.

@l@ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>

Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.

setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/

The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>

Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "*/

The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>

Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.
specify. For `<code(tcp)</code>, `<code(udp)</code>, and `<code(icmp)</code>, you must specify a port range. For `<code(58)</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. <p>,</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
}, {
"c2jName" : "FromPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of `<code(-1)</code> indicates all ICMP/ICMPv6 types.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of `<code(-1)</code> indicates all ICMP/ICMPv6 types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of `<code(-1)</code> indicates all ICMP/ICMPv6 types.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of `<code(-1)</code> indicates all ICMP/ICMPv6 types.</p>
@return The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of `<code(-1)</code> indicates all ICMP/ICMPv6 types.*/",
"getterMethodName" : "getFromPort",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FromPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of "-1" indicates all ICMP/ICMPv6 types.
 */

@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of "-1" indicates all ICMP/ICMPv6 types.

@returns Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setFromPort",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of "-1" indicates all ICMP/ICMPv6 types.
 */

@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of "-1" indicates all ICMP/ICMPv6 types.

@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of "-1" indicates all ICMP/ICMPv6 types.
",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of "-1" indicates all ICMP/ICMPv6 codes for the specified ICMP type.
",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of "-1" indicates all ICMP/ICMPv6 codes for the specified ICMP type.
",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of "-1" indicates all ICMP/ICMPv6 codes for the specified ICMP type.
",
"enumType" : "null",
"fluentSetterDocumentation" : "/**
 * The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of "-1" indicates all ICMP/ICMPv6 codes for the specified ICMP type.
 */

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "/**
 * The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of "-1" indicates all ICMP/ICMPv6 codes for the specified ICMP type.
 */

@return The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of "-1" indicates all ICMP/ICMPv6 codes for the specified ICMP type.

@returns Returns a reference to this object so that method calls can be chained together.
",
"getterMethodName" : "getToPort",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
}
"getterMethodName" : "getToPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "toPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.
@return Returns a reference to this object so that method calls can be chained together.
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 7643
"variableType" : "Integer",
"documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP/ICMPv6 codes for the specified ICMP type.&lt;/p&gt;",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "UserIdGroupPairs",
"c2jShape" : "UserIdGroupPairList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more security group and AWS account ID pairs.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;One or more security group and AWS account ID pairs.&lt;/p&gt;\n@param userIdGroupPairs One or more security group and AWS account ID pairs.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;*/",
"fluentSetterMethodName" : "withUserIdGroupPairs",
"getterDocumentation" : "/**&lt;p&gt;One or more security group and AWS account ID pairs.&lt;/p&gt;\n@return One or more security group and AWS account ID pairs.&lt;/p&gt;*/",
"getterMethodName" : "getUserIdGroupPairs",
"getterModel" : {
"returnType" : "java.util.List<UserIdGroupPair>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Groups",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groups",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "UserIdGroupPair",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "UserIdGroupPair",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "UserIdGroupPair",
"variableName" : "member",
"variableType" : "UserIdGroupPair",
"documentation" : "",
"simpleType" : "UserIdGroupPair",
"variableSetterType" : "UserIdGroupPair"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UserIdGroupPair",
"variableName" : "member",
"variableType" : "UserIdGroupPair",
"documentation" : "",
"simpleType" : "UserIdGroupPair",
"variableSetterType" : "UserIdGroupPair"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/"}
"variableType" : "UserIdGroupPair",
"documentation" : "",
"simpleType" : "UserIdGroupPair",
"variableSetterType" : "UserIdGroupPair"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "UserIdGroupPair",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UserIdGroupPair",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"templateType" : "java.util.List<UserIdGroupPair>
},
"map" : false,
"mapModel" : null,
"name" : "UserIdGroupPairs",
"setterDocumentation" : /**<p>One or more security group and AWS account ID pairs.</p>
@param userIdGroupPairs One or more security group and AWS account ID pairs.*/",
"setterMethodName" : "setUserIdGroupPairs",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
 "variableName" : "userIdGroupPairs",
 "variableType" : "java.util.List<UserIdGroupPair>",
 "documentation" : "",
 "simpleType" : "List<UserIdGroupPair>",
 "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>One or more security group and AWS account ID pairs.</p>
@<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setUserIdGroupPairs(java.util.Collection) or { @link #withUserIdGroupPairs(java.util.Collection) } if you want to override the existing values. */
@param userIdGroupPairs One or more security group and AWS account ID pairs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
 "variableName" : "userIdGroupPairs",
 "variableType" : "java.util.List<UserIdGroupPair>",
 "documentation" : "One or more security group and AWS account ID pairs. */",
 "simpleType" : "List<UserIdGroupPair>",
 "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"xmlNameSpaceUri" : null
"c2jName" : "Ipv6Ranges",
"c2jShape" : "Ipv6RangeList",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC only] One or more IPv6 ranges.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "///<p>[EC2-VPC only] One or more IPv6 ranges.</p>@param ipv6Ranges
@return Returns a reference to this object so that method calls can be
chained together. */",
"fluentSetterMethodName" : "withIpv6Ranges",
"getterDocumentation" : "///<p>[EC2-VPC only] One or more IPv6 ranges.</p>@return [EC2-VPC only]
One or more IPv6 ranges. */",
"getterMethodName" : "getIpv6Ranges",
"getterModel" : {
  "returnType" : "java.util.List<Ipv6Range>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6Ranges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6Ranges",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Ipv6Range",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "///@param member
@return Returns a reference to this object so that method calls can be
chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "///@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : null,
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6Range",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6Range",
    "uri" : false
  }
}
"getterModel" : {
  "returnType" : "Ipv6Range",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Ipv6Range",
  "variableName" : "member",
  "variableType" : "Ipv6Range",
  "documentation" : "",
  "simpleType" : "Ipv6Range",
  "variableSetterType" : "Ipv6Range"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Ipv6Range",
  "variableName" : "member",
  "variableType" : "Ipv6Range",
  "documentation" : "",
  "simpleType" : "Ipv6Range",
  "variableSetterType" : "Ipv6Range"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "Ipv6Range",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Ipv6Range",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
"templateType" : "java.util.List<Ipv6Range>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Ranges",
"setterDocumentation" : "/**<p>[EC2-VPC only] One or more IPv6 ranges.</p>
@param ipv6Ranges [EC2-VPC only] One or more IPv6 ranges.*\n*/
<br обратите внимание: в случае использования этого метода, значения добавляются к существующему списку (если он есть). Используйте […] или […] если вы хотите заменить существующие значения.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
  "variableName" : "ipv6Ranges",
  "variableType" : "java.util.List<Ipv6Range>",
  "documentation" : "<p>[EC2-VPC only] One or more IPv6 ranges.</p>",
  "simpleType" : "List<Ipv6Range>",
  "variableSetterType" : "java.util.Collection<Ipv6Range>"
},
"xmlNameSpaceUri" : null}
],
"c2jName" : "PrefixListIds",
"c2jShape" : "PrefixListIdList",
"deprecated" : false,
"documentation" : "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>*/
\/param prefixListIds (Valid for
<a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrefixListIds",
"getterDocumentation" : "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>
@return (Valid for
<a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.*/",
"getterMethodName" : "getPrefixListIds",
"getterModel" : {
"returnType" : "java.util.List<PrefixListId>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrefixListIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefixListIds",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PrefixListId",
"deprecated" : false,
"variableType": "PrefixListId",
"documentation": "",
"simpleType": "PrefixListId",
"variableSetterType": "PrefixListId"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "PrefixListId",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "PrefixListId",
"templateImplType": "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"templateType": "java.util.List<PrefixListId>"
},
"map": false,
"mapModel": null,
"name": "PrefixListIds",
"setterDocumentation": "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>

@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security
group.*/",
"setterMethodName": "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security
group.*/",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"variableName": "prefixListIds",
"variableType": "java.util.List<PrefixListId>",
"documentation": "",
"simpleType": "List<PrefixListId>",
"variableSetterType": "java.util.Collection<PrefixListId>"
},
"map": false,
"simple": false,
"varargSetterDocumentation": "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>

@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security
group.*/

NOTE: This method appends the values to the existing list (if any). Use [@link #setPrefixListIds(java.util.Collection)] or [@link 
#withPrefixListIds(java.util.Collection)] if you want to override the existing values.</p>

@link #setPrefixListIds(java.util.Collection) (Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an
AssociateSecurityGroupEgress request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrefixListId>",
    "variableName" : "prefixListIds",
    "variableType" : "java.util.List<PrefixListId>",
    "documentation" : "<p>(Valid for AssociateSecurityGroupEgress and RevokeSecurityGroupEgress only) One or more prefix list IDs for an AWS service. In an AssociateSecurityGroupEgress request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p>",
    "simpleType" : "List<PrefixListId>",
    "variableSetterType" : "java.util.Collection<PrefixListId>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Ipv4Ranges",
"c2jShape" : "IpRangeList",
"deprecated" : false,
"documentation" : "One or more IPv4 ranges.<p>"",
"enumType" : null,
"fluentSetterDocumentation" : "<p>One or more IPv4 ranges.\n@return One or more IPv4 ranges.\n@return Returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName" : "withIpv4Ranges",
"getterDocumentation" : "<p>One or more IPv4 ranges.\n@return One or more IPv4 ranges.\n@return Returns a reference to this object so that method calls can be chained together.</p>",
"getterMethodName" : "getIpv4Ranges",
"getterModel" : {
    "returnType" : "java.util.List<IpRange>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IpRanges",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipRanges",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "name" : "IpRangeList",
    "isWrapped" : true,
    "arrayType" : null,
    "isCreatorRequest" : false,
    "isConsumerResponse" : true,
    "xmlNameSpaceUri" : null
}
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "IpRange",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "IpRange",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "IpRange",
    "variableName" : "member",
    "variableType" : "IpRange",
    "documentation" : "",
    "simpleType" : "IpRange",
    "variableSetterType" : "IpRange"
  }
}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpRange",
  "variableName" : "member",
  "variableType" : "IpRange",
  "documentation" : "",
  "simpleType" : "IpRange",
  "variableSetterType" : "IpRange"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpRange",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpRange",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"templateType" : "java.util.List<IpRange>",
"map" : false,
"mapModel" : null,
"name" : "Ipv4Ranges",
"setterDocumentation" : "/**<p>One or more IPv4 ranges.</p>
@param ipv4Ranges One or more IPv4 ranges.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv4Ranges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
  "variableName" : "ipv4Ranges",
  "variableType" : "java.util.List<IpRange>",
  "documentation" : "",
  "simpleType" : "List<IpRange>",
  "variableSetterType" : "java.util.Collection<IpRange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IPv4 ranges.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv4Ranges(java.util.Collection)} or {@link #withIpv4Ranges(java.util.Collection)} if you want to override the existing values.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
  "variableName" : "ipv4Ranges",
  "variableType" : "java.util.List<IpRange>",
  "documentation" : "",
  "simpleType" : "List<IpRange>",
  "variableSetterType" : "java.util.Collection<IpRange>"
"documentation" : "<p>One or more IPv4 ranges.</p>",
"simpleType" : "List<IpRange>",
"variableSetterType" : "java.util.Collection<IpRange>",

"xmlNameSpaceUri" : null,
}
],
"membersAsMap" : {
"FromPort" : {
"c2jName" : "FromPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>
@return The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.*/",
"getterMethodName" : "getFromPort",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FromPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.*"",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types."
},
"xmlNameSpaceUri" : null
},
"IpProtocol" : {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). <p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. <p>"",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). <p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. <p>"",
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). <p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. <p>""
When authorizing security group rules, specifying `<code>-1</code>` or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`, or `<code>58</code>` (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For `<code>tcp</code>`, `<code>udp</code>`, and `<code>icmp</code>`, you must specify a port range. For `<code>58</code>` (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.

```xml

@param ipProtocol

The IP protocol name (<code>tcp</code>), (<code>udp</code>), (<code>icmp</code>), or number (see </a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p>

```}

<p>[EC2-VPC only] Use `<code>-1</code>` to specify all protocols. When authorizing security group rules, specifying `<code>-1</code>` or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`, or `<code>58</code>` (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For `<code>tcp</code>`, `<code>udp</code>`, and `<code>icmp</code>`, you must specify a port range. For `<code>58</code>` (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.</p>

`\@return Returns a reference to this object so that method calls can be chained together.`

```

"fluentSetterMethodName" : "withIpProtocol",

"getterDocumentation" : "\*/

The IP protocol name (<code>tcp</code>), (<code>udp</code>), (<code>icmp</code>) or number (see </a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p>

```

```}

<p>[EC2-VPC only] Use `<code>-1</code>` to specify all protocols. When authorizing security group rules, specifying `<code>-1</code>` or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`, or `<code>58</code>` (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For `<code>tcp</code>`, `<code>udp</code>`, and `<code>icmp</code>`, you must specify a port range. For `<code>58</code>` (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.</p>

`\@return The IP protocol name (<code>tcp</code>), (<code>udp</code>), (<code>icmp</code>) or number (see </a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p>

```

```
"unmarshallLocationName" : "ipProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**\nThe IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). 
[EC2-VPC only] Use <code>-1</code> to specify all protocols.
When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ipProtocol",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). 
[EC2-VPC only] Use <code>-1</code> to specify all protocols.
When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */",
specify. For `<code>tcp</code>`, `<code>udp</code>`, and `<code>icmp</code>`, you must specify a port range. For `<code>58</code>` (ICMPv6), you can optionally specify a port range; if you don’t, traffic for all types and codes is allowed when authorizing rules.

```java
@html

@returns Returns a reference to this object so that method calls can be chained together.

"variable": {
    "variableDeclarationType": "String",
    "variableName": "ipProtocol",
    "variableType": "String",
    "documentation": "The IP protocol name ("tcp"), ("udp"), ("icmp") or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). [EC2-VPC only] Use "tcp" or "icmp" to specify all protocols. When authorizing security group rules, specifying "tcp" or a protocol number other than "tcp", "udp", "icmp", or "58" (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For "tcp", "udp", and "icmp", you must specify a port range. For "58" (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.

"simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Ipv4Ranges": {
    "c2jName": "Ipv4Ranges",
    "c2jShape": "IpRangeList",
    "deprecated": false,
    "documentation": "One or more IPv4 ranges.

@param ipv4Ranges One or more IPv4 ranges.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterDocumentation": "One or more IPv4 ranges.

@returns Returns a reference to this object so that method calls can be chained together.

"getterDocumentation": "One or more IPv4 ranges.

@returns Returns a reference to this object so that method calls can be chained together.

"getterMethodName": "getIpv4Ranges",
"getterModel": {
    "returnType": "java.util.List<IpRange>",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "IpRanges",
    "queryString": false,
    "statusCode": false,
```
"variableName" : "member",
"variableType" : "IpRange",
"documentation" : "",
"simpleType" : "IpRange",
"variableSetterType" : "IpRange"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpRange",
  "variableName" : "member",
  "variableType" : "IpRange",
  "documentation" : "",
  "simpleType" : "IpRange",
  "variableSetterType" : "IpRange"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpRange",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpRange",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"templateType" : "java.util.List<IpRange>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv4Ranges",
"setterDocumentation" : "/**<p>One or more IPv4 ranges.</p>
@param ipv4Ranges One or more IPv4 ranges.*/",
"setterMethodName" : "setIpv4Ranges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
  "variableName" : "ipv4Ranges",
  "variableType" : "java.util.List<IpRange>",
  "documentation" : "",
  "simpleType" : "List<IpRange>",
  "variableSetterType" : "java.util.Collection<IpRange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IPv4 ranges.</p>
\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv4Ranges(java.util.Collection)} or {\link
#withIpv4Ranges(java.util.Collection)} if you want to override the existing values.<p>

@<p>

@return Returns a reference to this object so that method calls can be chained together.<p/>

    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
        "variableName" : "ipv4Ranges",
        "variableType" : "java.util.List<IpRange>",
        "documentation" : "<p>One or more IPv4 ranges.</p>",
        "simpleType" : "List<IpRange>",
        "variableSetterType" : "java.util.Collection<IpRange>"
    },
    "xmlNameSpaceUri" : null,

    "Ipv6Ranges" : {
        "c2jName" : "Ipv6Ranges",
        "c2jShape" : "Ipv6RangeList",
        "deprecated" : false,
        "documentation" : "<p>[EC2-VPC only] One or more IPv6 ranges.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>[EC2-VPC only] One or more IPv6 ranges.</p>
        @param ipv6Ranges
        [EC2-VPC only] One or more IPv6 ranges.<p>
        @return Returns a reference to this object so that method calls can be chained together.</p/>
        
        "fluentSetterMethodName" : "withIpv6Ranges",
        "getterDocumentation" : "/**<p>[EC2-VPC only] One or more IPv6 ranges.</p>
        @return [EC2-VPC only] One or more IPv6 ranges.<p>
        @return Returns a reference to this object so that method calls can be chained together.</p/>
        
        "getterMethodName" : "getIpv6Ranges",
        "getterModel" : {
            "returnType" : "java.util.List<Ipv6Range>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Ipv6Ranges",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "ipv6Ranges",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : true,
        "listModel" : {
            "implType" : "com.amazonaws.internal.SdkInternalList",
            "simpleType" : "List<IpRange>",
            "variableDeclarationType" : "com.amazonaws.util.ListSdkAutoConstructFlag",
            "variableName" : "ipv4Ranges",
            "variableType" : "java.util.List<IpRange>",
            "documentation" : "<p>One or more IPv4 ranges.</p>",
            "simpleType" : "List<IpRange>",
            "variableSetterType" : "java.util.Collection<IpRange>"
        },
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "Ipv6Range",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**\n@return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "Ipv6Range",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**\n@param member */",
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "Ipv6Range",
    "variableName": "member",
    "variableType": "Ipv6Range",
    "documentation": "",
    "simpleType": "Ipv6Range",
    "variableSetterType": "Ipv6Range"
  },
  "simple": false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Ipv6Range",
"variableName" : "member",
"variableType" : "Ipv6Range",
"documentation" : "",
"variableSetterType" : "Ipv6Range",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Ipv6Range",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Ipv6Range",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
"templateType" : "java.util.List<Ipv6Range>",
"map" : false,
"mapModel" : null,
"name" : "Ipv6Ranges",
"setterDocumentation" : "/**<p>[EC2-VPC only] One or more IPv6 ranges.</p>
@param ipv6Ranges [EC2-VPC only] One or more IPv6 ranges.*/",
"setterMethodName" : "setIpv6Ranges",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
"variableName" : "ipv6Ranges",
"variableType" : "java.util.List<Ipv6Range>",
"documentation" : "",
"simpleType" : "List<Ipv6Range>",
"variableSetterType" : "java.util.Collection<Ipv6Range>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-VPC only] One or more IPv6 ranges.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Ranges(java.util.Collection)} or
{@link #withIpv6Ranges(java.util.Collection)} if you want to override the existing values.</p>
@param ipv6Ranges [EC2-VPC only] One or more IPv6 ranges.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
"variableName" : "ipv6Ranges",
"variableType" : "Ipv6Range",
"documentation" : "",
"variableSetterType" : "Ipv6Range"}
"documentation" : "<p>[EC2-VPC only] One or more IPv6 ranges.</p>",
"simpleType" : "List<Ipv6Range>",
"variableSetterType" : "java.util.Collection<Ipv6Range>"
},
"xmlNameSpaceUri" : null
},
"PrefixListIds" : {
"c2jName" : "PrefixListIds",
"c2jShape" : "PrefixListIdList",
"deprecated" : false,
"documentation" : "<p>(Valid for &lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt;, 
&lt;a&gt;RevokeSecurityGroupEgress&lt;/a&gt; and &lt;a&gt;DescribeSecurityGroups&lt;/a&gt; only) One or more prefix list IDs for an 
AWS service. In an &lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt; request, this is the AWS service that you want to access 
through a VPC endpoint from instances associated with the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>(Valid for &lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt;, 
&lt;a&gt;RevokeSecurityGroupEgress&lt;/a&gt; and &lt;a&gt;DescribeSecurityGroups&lt;/a&gt; only) One or more prefix list IDs for an 
AWS service. In an &lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt; request, this is the AWS service that you want to access 
through a VPC endpoint from instances associated with the security group.\n@<number>\n@return Returns a reference to this object so that method calls can be chained together.</number>*/

/**<p>(Valid for &lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt;, 
&lt;a&gt;RevokeSecurityGroupEgress&lt;/a&gt; and &lt;a&gt;DescribeSecurityGroups&lt;/a&gt; only) One or more prefix list IDs for an 
AWS service. In an &lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt; request, this is the AWS service that you want to access 
through a VPC endpoint from instances associated with the security group.\n@return (Valid for 
&lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt;, &lt;a&gt;RevokeSecurityGroupEgress&lt;/a&gt; and &lt;a&gt;DescribeSecurityGroups&lt;/a&gt; 
only) One or more prefix list IDs for an AWS service. In an &lt;a&gt;AuthorizeSecurityGroupEgress&lt;/a&gt; request, this is 
the AWS service that you want to access through a VPC endpoint from instances associated with the security 
group.*/

"getPrefixListIds",
"getterMethodName" : "getPrefixListIds",
"getterModel" : {
"returnType" : "java.util.List&lt;PrefixListId&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrefixListIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefixListIds",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PrefixListId",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PrefixListId",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {

"variableDeclarationType" : "PrefixListId",
"variableName" : "member",
"variableType" : "PrefixListId",
"documentation" : "",
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PrefixListId",
"variableName" : "member",
"variableType" : "PrefixListId",
"documentation" : "",
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrefixListId",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrefixListId",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"templateType" : "java.util.List<PrefixListId>")",
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group. <p/>

@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.*/",
"setterMethodName" : "setPrefixListIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"variableName" : "prefixListIds",
"variableType" : "java.util.List<PrefixListId>"}
"documentation": "",
"simpleType": "List<PrefixListId>",
"variableSetterType": "java.util.Collection<PrefixListId>
}.
"simple": false,
"varargSetterDocumentation": "/*\n\n@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPrefixListIds(java.util.Collection)} or {@link #withPrefixListIds(java.util.Collection)} if you want to override the existing values.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"variableName": "prefixListIds",
"variableType": "java.util.List<PrefixListId>",
"documentation": "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p>
@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"variableName": "prefixListIds",
"variableType": "java.util.List<PrefixListId>",
"documentation": "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p>
@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"c2jName": "ToPort",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withToPort",
"getterDocumentation": "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withToPort",
"getterDocumentation": "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getToPort",
"getterModel": {
**The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of `-1` indicates all ICMP/ICMPv6 codes for the specified ICMP type.**

```java
/**
 * The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of `-1` indicates all ICMP/ICMPv6 codes for the specified ICMP type.
 * @param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of `-1` indicates all ICMP/ICMPv6 codes for the specified ICMP type.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
public ToPort setToPort(Integer toPort) {
    this.toPort = toPort;
    return this;
}
```

```java
public Integer getToPort() {
    return toPort;
}
```
value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.<p></p>"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"UserIdGroupPairs" : {
"c2jName" : "UserIdGroupPairs",
"c2jShape" : "UserIdGroupPairList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more security group and AWS account ID pairs.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;/p&gt;&lt;p&gt;One or more security group and AWS account ID pairs.&lt;/p&gt;\n@param
userIdGroupPairs One or more security group and AWS account ID pairs.\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;",
"fluentSetterMethodName" : "withUserIdGroupPairs",
"getterDocumentation" : "&lt;/p&gt;&lt;p&gt;One or more security group and AWS account ID pairs.&lt;/p&gt;\n@return One or more security group and AWS account ID pairs.&lt;/p&gt;",
"getterMethodName" : "getUserIdGroupPairs",
"getterModel" : {
 "returnType" : "java.util.List&lt;UserIdGroupPair&gt;",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Groups",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "groups",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "UserIdGroupPair",
 "deprecated" : false,
 "documentation" : "",\n"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 7671"
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "UserIdGroupPair",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "UserIdGroupPair",
"variableName" : "member",
"variableType" : "UserIdGroupPair",
"documentation" : ""
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UserIdGroupPair",
"variableName" : "member",
"variableType" : "UserIdGroupPair"}
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"documentation" : "",
"simpleType" : "UserIdGroupPair",
"variableSetterType" : "UserIdGroupPair"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UserIdGroupPair",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UserIdGroupPair",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"templateType" : "java.util.List<UserIdGroupPair>"
},
"map" : false,
"mapModel" : null,
"name" : "UserIdGroupPairs",
"setterDocumentation" : "/**<p>One or more security group and AWS account ID pairs.</p>
@param
userIdGroupPairs One or more security group and AWS account ID pairs.*/",
"setterMethodName" : "setUserIdGroupPairs",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
 "variableName" : "userIdGroupPairs",
 "variableType" : "java.util.List<UserIdGroupPair>",
 "documentation" : "",
 "simpleType" : "List<UserIdGroupPair>",
 "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group and AWS account ID pairs.</p>
<Note:
This method appends the values to the existing list (if any). Use {@link
#setUserIdGroupPairs(java.util.Collection)} or {@link
#withUserIdGroupPairs(java.util.Collection)} if you want to
override the existing values.</p>
@param userIdGroupPairs One or more security group and AWS account ID pairs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
 "variableName" : "userIdGroupPairs",
 "variableType" : "java.util.List<UserIdGroupPair>",
 "documentation" : "One or more security group and AWS account ID pairs.
"simpleType" : "List<UserIdGroupPair>",
 "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "IpPermission",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "ipPermission",
  "variableType" : "IpPermission",
  "documentation" : null,
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"wrapper" : false
},
"IpRange" : {
  "c2jName" : "IpRange",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an IPv4 range.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "CidrIp",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group,
not both. To specify a single IPv4 address, use the /32 prefix.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>@param cidrIp The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</@<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withCidrIp",
    "documentation" : 12.6(1)  VOS assets for CCBU Projects (CentOS) 12.6(1) 7674
"getterDocumentation": "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>@return The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.*/",
"getterMethodName": "getCidrIp",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CidrIp",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "cidrIp",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrIp",
"setterDocumentation": "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>@return The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.*/",
"setterMethodName": "setCidrIp",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "cidrIp",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>@param cidrIp The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.*/
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrIp",
    "variableType" : "String",
    "documentation" : "<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},{
"membersAsMap" : {
    "CidrIp" : {
        "c2jName" : "CidrIp",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>
@returns The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</returns>",
        "fluentSetterMethodName" : "withCidrIp",
        "getterDocumentation" : "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>
@returns The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</returns>",
        "getterMethodName" : "getCidrIp",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "CidrIp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "cidrIp",
        "uri" : false
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**\n* The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.\n*\n* @param cidrIp The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.*/",
"setterMethodName" : "setCidrIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.\n*\n* @param cidrIp The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "IpRange",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "IpRange",
  "variableName" : "ipRange",
  "variableType" : "IpRange",
  "documentation" : "The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix."
}
"variableType": "IpRange",
"documentation": null,
"simpleType": "IpRange",
"variableSetterType": "IpRange"
},
"wrapper": false
},
"Ipv6CidrBlock": {
"c2jName": "Ipv6CidrBlock",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes an IPv6 CIDR block.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
{
"c2jName": "Ipv6CidrBlock",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IPv6 CIDR block.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IPv6 CIDR block.

\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpv6CidrBlock",
"getterDocumentation": "/**<p>The IPv6 CIDR block.

\n@return The IPv6 CIDR block.*/",
"getterMethodName": "getIpv6CidrBlock",
"getterModel": {
"returnType": "String",
"documentation": null
}
],
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Ipv6CidrBlock" : {
    "c2jName" : "Ipv6CidrBlock",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 CIDR block.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@return The IPv6 CIDR block.*",
"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**
 * The IPv6 CIDR block.
 * @param ipv6CidrBlock The IPv6 CIDR block.
 */",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
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  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The IPv6 CIDR block.
 * @param ipv6CidrBlock The IPv6 CIDR block.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "The IPv6 CIDR block.
  **p> The IPv6 CIDR block.**",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
{"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
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"unmarshaller": {
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"resultWrapper": null
},
"variable": {
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"variableName": "ipv6CidrBlock",
"variableType": "Ipv6CidrBlock",
"documentation": null,
"simpleType": "Ipv6CidrBlock",
"variableSetterType": "Ipv6CidrBlock"
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"wrapper": false
},
"Ipv6Range": {
"c2jName": "Ipv6Range",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>[EC2-VPC only] Describes an IPv6 range.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "CidrIpv6",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>\n@returns A reference to this object so that method calls can be chained"}
"fluentSetterMethodName" : "withCidrIpv6",
"getterDocumentation" : "/**\nThe IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>@return The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.*/",
"getterMethodName" : "getCidrIpv6",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CidrIpv6",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrIpv6",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIpv6",
"setterDocumentation" : "/**\nThe IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>@param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.*/",
"setterMethodName" : "setCidrIpv6",
"setterModel" : {
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  "variableName" : "cidrIpv6",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>@param cidrIpv6 The IPv6
CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.

```java
@com.amazonaws.internal.SdkInternalMetadata
@java.lang.annotation.Retention(java.lang.annotation.RetentionPolicy.RUNTIME)
@java.lang.annotation.Target({java.lang.annotation.ElementType.PARAMETER, java.lang.annotation.ElementType.FIELD, java.lang.annotation.ElementType.METHOD, java.lang.annotation.ElementType.LOCAL_VARIABLE})
public @interface CidrIpv6 {
    String C2jName() default "CidrIpv6";
    String C2jShape() default "String";
    boolean deprecated() default false;
    String documentation() default "; The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.";

    // The following two methods are only used in the fluent API, so you can assume they always return the object.
    default String withCidrIpv6(String cidrIpv6) {
        return null;
    }
    default String getCidrIpv6() {
        return null;
    }
}
```

You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.
"statusCode" : false,
"unmarshallLocationName" : "cidrIpv6",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIpv6",
"setterDocumentation" : "/**\n<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>@param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.*/",
"setterMethodName" : "setCidrIpv6",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "cidrIpv6",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>@param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "Ipv6Range",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
}
"variable" : {
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  "variableName" : "ipv6Range",
  "variableType" : "Ipv6Range",
  "documentation" : null,
  "simpleType" : "Ipv6Range",
  "variableSetterType" : "Ipv6Range"
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"wrapper" : false
},
"KeyPair" : {
  "c2jName" : "KeyPair",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a key pair.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param keyName The name of the key pair.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKeyName",
    "getterDocumentation" : "/*\n@getter The name of the key pair.*/",
    "getterMethodName" : "getKeyName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "keyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KeyFingerprint",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The SHA-1 digest of the DER encoded private key.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@param keyFingerprint The SHA-1 digest of the DER encoded private key.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyFingerprint",
"getterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@return The SHA-1 digest of the DER encoded private key.*"/
getterMethodName" : "getKeyFingerprint",
getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyFingerprint",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "keyFingerprint",
"uri" : false
},
idempotencyToken" : false,
list" : false,
listModel" : null,
map" : false,
mapModel" : null,
name" : "KeyFingerprint",
setterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@param keyFingerprint The SHA-1 digest of the DER encoded private key.*/",
setterMethodName" : "setKeyFingerprint",
setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "keyFingerprint",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
simple" : true,
varargSetterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@param keyFingerprint The SHA-1 digest of the DER encoded private key.*/
@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyFingerprint",
"variableType" : "String"}
"variableName": "keyMaterial",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>An unencrypted PEM encoded RSA private key.</p>
@param
keyMaterial An unencrypted PEM encoded RSA private key.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableType": "String",
"documentation": "<p>An unencrypted PEM encoded RSA private key.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"membersAsMap": {
"KeyFingerprint": {
"c2jName": "KeyFingerprint",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The SHA-1 digest of the DER encoded private key.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@param
keyFingerprint The SHA-1 digest of the DER encoded private key.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withKeyFingerprint",
"getterDocumentation": "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@return The SHA-1 digest of the DER encoded private key.*/",
"getterMethodName": "getKeyFingerprint",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "KeyFingerprint", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 7689
"queryString" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyFingerprint",
"setterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@param
keyFingerprint The SHA-1 digest of the DER encoded private key.*/",
"setterMethodName" : "setKeyFingerprint",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyFingerprint",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@param
keyFingerprint The SHA-1 digest of the DER encoded private key.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The SHA-1 digest of the DER encoded private key.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>An unencrypted PEM encoded RSA private key.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>An unencrypted PEM encoded RSA private key.</p>
  @param
keyMaterial An unencrypted PEM encoded RSA private key.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKeyMaterial",
  "getterDocumentation" : "/**<p>An unencrypted PEM encoded RSA private key.</p>
  @param
An unencrypted PEM encoded RSA private key.
  @return An unencrypted PEM encoded RSA private key.*/",
"getterMethodName" : "getKeyMaterial",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keyMaterial",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyMaterial",
"setterDocumentation" : "<p>An unencrypted PEM encoded RSA private key.</p>
@param keyMaterial An unencrypted PEM encoded RSA private key.
@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setKeyMaterial",
"setterModel" : {
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    "variableName" : "keyMaterial",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "<p>An unencrypted PEM encoded RSA private key.
@param keyMaterial An unencrypted PEM encoded RSA private key.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
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    "variableName" : "keyMaterial",
    "variableType" : "String",
    "documentation" : "<p>An unencrypted PEM encoded RSA private key.
",
    "simpleType" : "String",
    "variableSetterType" : "String"
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "\*/
"\n}@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "The name of the key pair.
\n@parameter keyName The name of the key pair.
\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
"variableDeclarationType" : "KeyPair",
"variableName" : "keyPair",
"variableType" : "KeyPair",
"documentation" : null,
"simpleType" : "KeyPair",
"variableSetterType" : "KeyPair"
},
"wrapper" : false,
"KeyPairInfo" : {
"c2jName" : "KeyPairInfo",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes a key pair."
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ {
  "c2jName" : "KeyName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the key pair.</p><p>@param keyName The name of the key pair.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withKeyName",
  "getterDocumentation" : "/**<p>The name of the key pair.</p><p>@return The name of the key pair.</p>*/",
  "getterMethodName" : "getKeyName",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeyName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keyName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "KeyName",
  "setterDocumentation" : "/**<p>The name of the key pair.</p><p>@param keyName The name of the key pair.</p>*/",
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  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "keyName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"  
  }
}  
]
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "p>\n@returns Returns a reference to this object so that method calls can be chained together.*/", "xmlNameSpaceUri" : null
},
"c2jName" : "KeyFingerprint",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nIf you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyFingerprint",
"getterDocumentation" : "/**\nIf you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getKeyFingerprint",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"KeyFingerprint" : {
  "c2jName" : "KeyFingerprint",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>If you used &lt;a&gt;CreateKeyPair&lt;/a&gt; to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used &lt;a&gt;ImportKeyPair&lt;/a&gt; to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>If you used &lt;a&gt;CreateKeyPair&lt;/a&gt; to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used &lt;a&gt;ImportKeyPair&lt;/a&gt; to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>
@param keyFingerprint If you used &lt;a&gt;CreateKeyPair&lt;/a&gt; to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used &lt;a&gt;ImportKeyPair&lt;/a&gt; to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKeyFingerprint",
  "getterDocumentation" : "/*<p>If you used &lt;a&gt;CreateKeyPair&lt;/a&gt; to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used &lt;a&gt;ImportKeyPair&lt;/a&gt; to provide AWS the public key, this is the SHA-1 digest of the DER encoded private key. If you used &lt;a&gt;ImportKeyPair&lt;/a&gt; to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>
@return If you used &lt;a&gt;CreateKeyPair&lt;/a&gt; to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used &lt;a&gt;ImportKeyPair&lt;/a&gt; to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.*/",
  "getterMethodName" : "getKeyFingerprint",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeyFingerprint",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keyFingerprint",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "KeyFingerprint",
  "setterDocumentation" : "/*<p>If you used &lt;a&gt;CreateKeyPair&lt;/a&gt; to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used &lt;a&gt;ImportKeyPair&lt;/a&gt; to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>"
digest of the DER encoded private key. If you used `<a>ImportKeyPair</a>` to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.

```java
@param keyFingerprint If you used `<a>CreateKeyPair</a>` to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used `<a>ImportKeyPair</a>` to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.*/

setterMethodName" : "setKeyFingerprint",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "keyFingerprint",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If you used `<a>CreateKeyPair</a>` to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used `<a>ImportKeyPair</a>` to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.*/

variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyFingerprint",
"variableType" : "String",
"documentation" : "p>If you used `<a>CreateKeyPair</a>` to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used `<a>ImportKeyPair</a>` to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.*/

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"KeyName" : {
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "p>The name of the key pair.</p>"
,"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair.*/

@returns Returns a reference to this object so that method calls can be chained together.*/

setterMethodName" : "withKeyPair",
"getterDocumentation" : "=*/p>The name of the key pair.</p>*/

getterMethodName" : "getKeyPair",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "KeyName",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "keyName",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.*\*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "keyName",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "keyName",
   "variableType" : "String",
   "documentation" : "<p>The name of the key pair.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "KeyPairInfo",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "KeyPairInfo",
  "variableName" : "keyPairInfo",
  "variableType" : "KeyPairInfo",
  "documentation" : null,
  "simpleType" : "KeyPairInfo",
  "variableSetterType" : "KeyPairInfo"
},
"wrapper" : false
},
"LaunchPermission" : {
  "c2jName" : "LaunchPermission",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a launch permission.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "UserId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The AWS account ID.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The AWS account ID.</p>**/\n@param userId The AWS account ID.\n@return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withUserId",
      "getterDocumentation" : "/**<p>The AWS account ID.</p>**/\n@return The AWS account ID.*/",
      "getMethodName" : "getUserId",
      "getModel" : {
        "returnType" : "String",
        "documentation" : null
      }
    }
  ]
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UserId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "userId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UserId",
"setterDocumentation": "/**<p>The AWS account ID.</p>
@param userId The AWS account ID.*/",
"setterMethodName": "setUserId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "userId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The AWS account ID.</p>
@param userId The AWS account ID
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "userId",
  "variableType": "String",
  "documentation": "<p>The AWS account ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Group",
"c2jShape": "PermissionGroup",
"deprecated": false,
"documentation": "<p>The name of the group.</p>",

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"enumType": "PermissionGroup",
"fluentSetterDocumentation": "/**<p>The name of the group.</p>
@param group The name of the group.
@return Returns a reference to this object so that method calls can be chained together.
@see PermissionGroup*/",
"fluentSetterMethodName": "withGroup",
"getterDocumentation": "/**<p>The name of the group.</p>
@return The name of the group.
@see PermissionGroup*/",
"getterMethodName": "getGroup",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Group",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "group",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Group",
"setterDocumentation": "/**<p>The name of the group.</p>
@param group The name of the group.
@see PermissionGroup*/",
"setterMethodName": "setGroup",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "group",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The name of the group.</p>
@param group The name of the group.
@return Returns a reference to this object so that method calls can be chained together.
@see PermissionGroup*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "group",
    "variableType" : "String",
    "documentation" : "<p>The name of the group.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "Group" : {
        "c2jName" : "Group",
        "c2jShape" : "PermissionGroup",
        "deprecated" : false,
        "documentation" : "<p>The name of the group.</p>",
        "enumType" : "PermissionGroup",
        "fluentSetterDocumentation" : "/**<p>The name of the group.</p>
@<param group> The name of the group.
@return Returns a reference to this object so that method calls can be chained together.
@see PermissionGroup*/",
        "fluentSetterMethodName" : "withGroup",
        "getterDocumentation" : "/**<p>The name of the group.</p>
@<return The name of the group.
@see PermissionGroup*/",
        "getterMethodName" : "getGroup",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Group",
            "queryString" : null,
            "statusCode" : null,
            "unmarshallLocationName" : "group",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "xmlNameSpaceUri" : null
    }
}
'name" : "Group",
"setterDocumentation" : "/**<p>The name of the group.</p>
@param group The name of the group.
@see PermissionGroup*/",
"setterMethodName" : "setGroup",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "group",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the group.</p>
@param group The name of the group.
@return Returns a reference to this object so that method calls can be chained together.
@see PermissionGroup*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "group",
  "variableType" : "String",
  "documentation" : "<p>The name of the group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"UserId" : {
  "c2jName" : "UserId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The AWS account ID.</p>
@param userId The AWS account ID.
@return Returns a reference to this object so that method calls can be chained together.
@see PermissionGroup*/",
  "fluentSetterMethodName" : "withUserId",
  "getterDocumentation" : "/**<p>The AWS account ID.</p>
@return The AWS account ID.
@see PermissionGroup*/",
  "getterMethodName" : "getUserId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserId",
"setterDocumentation" : "/**<p>The AWS account ID.</p>
@param userId The AWS account ID.*/",
"setterMethodName" : "setUserId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID.</p>
@param userId The AWS account ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LaunchPermission",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "LaunchPermission",
  "simple" : true,
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID.</p>"}
"variableName" : "launchPermission",
"variableType" : "LaunchPermission",
"documentation" : null,
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
},
"wrapper" : false,
"LaunchPermissionModifications" : {
"c2jName" : "LaunchPermissionModifications",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Describes a launch permission modification.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [
 "c2jName" : "Add",
 "c2jShape" : "LaunchPermissionList",
 "deprecated" : false,
 "documentation" : "<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>@param add The AWS account ID to add to the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.</p>",
 "fluentSetterMethodName" : "withAdd",
 "getterDocumentation" : "<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>@return The AWS account ID to add to the list of launch permissions for the AMI.",
 "getterMethodName" : "getAdd",
 "getterModel" : {
 "returnType" : "java.util.List<LaunchPermission>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Add",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Add",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LaunchPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
   * @return *
   */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LaunchPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclaratio..." : "LaunchPermission",
  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclaratio..." : "LaunchPermission",
  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "Add",
"setterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>
@param add The AWS account ID to add to the list of launch permissions for the AMI.</p>*/",
"setterMethodName" : "setAdd",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
};
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAdd(java.util.Collection)} or {@link #withAdd(java.util.Collection)} if you want to override the existing values.</p>
@param add The AWS account ID to add to the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName" : "add",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Remove",
"c2jShape" : "LaunchPermissionList",
"deprecated" : false,
"documentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
@param remove The AWS account ID to remove from the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemove",
"getterDocumentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
@return The AWS account ID to remove from the list of launch permissions for the AMI.*/",
"getterMethodName" : "getRemove",
"getterModel" : {
"returnType" : "java.util.List<LaunchPermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Remove",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Remove",
"multiValue" : false,
"required" : false,
"statusCode" : false,
"unmarshallLocationName" : "Remove"}
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "LaunchPermission",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "LaunchPermission",
      "documentation": null
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      "greedy": false,
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      "isPayload": false,
      "isStreaming": false,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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    "list": false,
    "listModel": null,
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    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**
     * @param member *
     */",
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    "setterModel": {
      "variableDeclarationType": "LaunchPermission",
      "variableName": "member",
      "variableId": null
    }
  }
}
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"documentation" : "",
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
}],
"simple" : false,
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  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
},
"xmlNameSpaceUri" : null
},
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<LaunchPermission>"
},
"map" : false,
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"name" : "Remove",
"setterDocumentation" : "/**\n\p The AWS account ID to remove from the list of launch permissions for the
\p AMI.\n\p @param remove The AWS account ID to remove from the list of launch permissions for the AMI.\n\p @return Returns a reference to this object so that method calls can be chained together.\n/**",
"setterMethodName" : "setRemove",
"setterModel" : {
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  "variableName" : "remove",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "",
  "simpleType" : "List<LaunchPermission>",
  "variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\p The AWS account ID to remove from the list of launch permissions for the
\p AMI.\n\p \b NOTE: \b This method appends the values to the existing list (if any). Use {
\link #setRemove(java.util.Collection)} or \link #withRemove(java.util.Collection)\nif you want to override the"
existing values.&lt;/p&gt;&lt;h4&gt;@param remove The AWS account ID to remove from the list of launch permissions for the AMI.&lt;/h4&gt;&lt;h4&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/h4&gt;}

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         "variableType": "java.util.List&lt;LaunchPermission&gt;",
         "documentation": "&lt;p&gt;The AWS account ID to remove from the list of launch permissions for the AMI.&lt;/p&gt;",
         "simpleType": "List&lt;LaunchPermission&gt;",
         "variableSetterType": "java.util.Collection&lt;LaunchPermission&gt;"
     },
     "xmlNameSpaceUri": null
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     "membersAsMap": {
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             "c2jShape": "LaunchPermissionList",
             "deprecated": false,
             "documentation": "&lt;p&gt;The AWS account ID to add to the list of launch permissions for the AMI.&lt;/p&gt;",
             "enumType": null,
             "fluentSetterDocumentation": "&lt;h4&gt;Fluent method to add a launch permission for the AMI.&lt;/h4&gt; Returns a reference to this object so that method calls can be chained together.&lt;/h4&gt;",
             "fluentSetterMethodName": "withAdd",
             "getterDocumentation": "&lt;h4&gt;Get method to retrieve the launch permission list for the AMI.&lt;/h4&gt;",
             "getterMethodName": "getAdd",
             "getterModel": {
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                 "documentation": null
             },
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                 "unmarshallLocationName": "Add",
                 "uri": false
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        "c2jShape" : "LaunchPermission",
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        "documentation" : "",
        "enumType" : null,
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         * @param member
         * @return Returns a reference to this object so that
         * method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**
         * @return */",
        "getterMethodName" : "getMember",
        "getterModel" : { 
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            "documentation" : null
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            "greedy" : false,
            "header" : false,
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            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
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        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**
         * @param member */",
        "setterMethodName" : "setMember",
        "setterModel" : { 
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            "variableName" : "member",
            "variableType" : "LaunchPermission",
            "documentation" : "",
            "simpleType" : "LaunchPermission",
            "variableSetterType" : "LaunchPermission"
        }
    }
}
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "LaunchPermission",
"documentation" : "",
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>"}
},
"map" : false,
"mapModel" : null,
"name" : "Add",
"setterDocumentation" : "/**\n<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>
@param add The AWS account ID to add to the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.\*/",
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"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName" : "add",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "",
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p><br/&gt;\n@param add The AWS account ID to add to the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName" : "add",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "",
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>"}
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"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>",
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>",
"xmlNameSpaceUri" : null,
"Remove" : {
"c2jName" : "Remove",
"c2jShape" : "LaunchPermissionList",
"deprecated" : false,
"documentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
@<param>remove</param> The AWS account ID to remove from the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withRemove",
"getterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
@return The AWS account ID to remove from the list of launch permissions for the AMI.*/",
"getterMethodName" : "getRemove",
"getterModel" : {
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"documentation" : null
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"getStatusCode" : false,
"unmarshallLocationName" : "Remove",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"simpleType" : "com.amazonaws.model.ResponseEntity"
}
}
}
"c2jShape": "LaunchPermission",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return *

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"documentation": null
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
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"variableName": "member",
"variableType": "LaunchPermission",
"documentation": "",
"simpleType": "LaunchPermission",
"variableSetterType": "LaunchPermission"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
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"variableName" : "member",
"variableType" : "LaunchPermission",
"documentation" : "",
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>
},
"map" : false,
"mapModel" : null,
"name" : "Remove",
"setterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for
the AMI.</p>\n@param remove The AWS account ID to remove from the list of launch permissions for
the AMI.*\*/",
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"setterModel" : {
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"variableName" : "remove",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "",
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>
"},
"map" : false,
"varargSetterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for
the AMI.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setRemove(java.util.Collection)} or {@link #withRemove(java.util.Collection)} if you want to override
the existing values.<p>\n@param remove The AWS account ID to remove from the list of launch permissions for
the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName" : "remove",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "<p>The AWS account ID to remove from the list of launch permissions for
the AMI.</p>",
"simpleType" : "List<LaunchPermission>",
"overridingDocumentation" : "<p>(NOTE: The AWS account ID to remove from the list of launch permissions for
the AMI is the AWS account ID of the user who initiates the request. This is the AWS account ID
that is associated with the IAM user or role that is making the request.)</p>"
}
{ "variableSetterType": "java.util.Collection<LaunchPermission>" },
"xmlNameSpaceUri": null
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"requestSignerAware": false,
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  "resultWrapper": null
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  "variableName": "launchPermissionModifications",
  "variableType": "LaunchPermissionModifications",
  "documentation": null,
  "simpleType": "LaunchPermissionModifications",
  "variableSetterType": "LaunchPermissionModifications"
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"wrapper": false
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"LaunchSpecification": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "Describes the launch specification for an instance."",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    { "c2jName": "ImageId",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "The ID of the AMI."",
      "enumType": null,
      "fluentSetterDocumentation": "The ID of the AMI.\n\n@returns {string} The ID of the AMI.\n\n@chainable Returns a reference to this object so that method calls can be chained together.""}]}
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI.</p>@return The ID of the AMI.*/",
"getterMethodName" : "getImageId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "isLocation" : false,
    "marshallLocationName" : "ImageId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "imageId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "",
    "complexType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>@param imageId The ID of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the AMI.</p>",
    "complexType" : "String",
    "variableSetterType" : "String"
"simple": true,
"varargSetterDocumentation": "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "keyName",
  "variableType": "String",
  "documentation": "<p>The name of the key pair.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "UserData",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUserData",
"getterDocumentation": "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@return The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
*/",
"getterMethodName": "getUserData",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "flattened": false,
  "greedy": false,
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  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UserData"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userData",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*/",
"setterMethodName" : "setUserData",
"setterModel" : {
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    "variableName" : "userData",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AddressingType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**<p>Deprecated.<br/>
@param addressingType Deprecated.<br/>
@return
Returns a reference to this object so that method calls can be chained together. */
",
"fluentSetterMethodName": "withAddressingType",
"getterDocumentation": "/**<p>Deprecated.<br/>
@return Deprecated.*/",
"getterMethodName": "getAddressingType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AddressingType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "addressingType",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AddressingType",
"setterDocumentation": "/**<p>Deprecated.<br/>
@param addressingType Deprecated.<br/>
@return
Returns a reference to this object so that method calls can be chained together. */
",
"setterMethodName": "setAddressingType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "addressingType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Deprecated.<br/>
@param addressingType Deprecated.<br/>
@return
Returns a reference to this object so that method calls can be chained together. */
",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "addressingType",
  "variableType": "String",
  "documentation": null
}
"documentation": "<p>Deprecated.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
  
"c2jName": "InstanceType",
"c2jShape": "InstanceType",
"deprecated": false,
"documentation": "<p>The instance type.</p>",
"enumType": "InstanceType",
"fluentSetterDocumentation": "/**
<p>The instance type.</p>
@see InstanceType*/",
"fluentSetterMethodName": "withInstanceType",
"getterDocumentation": "/**
<p>The instance type.</p>
@see InstanceType*/",
"getterMethodName": "getInstanceType",
"getterModel": {
  
"returnType": "String",
"documentation": null
},

"http": {
  
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceType",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceType",
"uri": false
},

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceType",
"setterDocumentation": "/**
<p>The instance type.</p>
@see InstanceType*/",
"setterMethodName": "setInstanceType",
"setterModel": {
  
"variableDeclarationType": "String",
"variableName": "instanceType"
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "<p>The instance type.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Placement",
"c2jShape": "SpotPlacement",
"deprecated": false,
"documentation": "<p>The placement information for the instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"fluentSetterMethodName": "withPlacement",
"getterDocumentation": "/**<p>The placement information for the instance.</p>
@return The placement information for the instance.*="/",
"getterMethodName": "getPlacement",
"getterModel": {
  "returnType": "SpotPlacement",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Placement",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "placement",
  "unmarshallLocationName": "placement"
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "",
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "<p>The placement information for the instance.</p>",
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the kernel.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**<p>The ID of the kernel.</p>
@returns The ID of the kernel."/",
"getterMethodName" : "getKernelId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the
kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, { 
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String"
}
"documentation" : "<p>The ID of the RAM disk.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p> <p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p> <p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>\n@param blockDeviceMappings One or more block device mapping entries.</p> <p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.\n@return Return a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p> <p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>\n@return One or more block device mapping entries.</p> <p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<BlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List"
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "BlockDeviceMapping",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "BlockDeviceMapping",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "BlockDeviceMapping",
    "variableName" : "member",
    "variableType" : "BlockDeviceMapping",
    "documentation" : "",
    "simpleType" : "BlockDeviceMapping",
    "variableSetterType" : "BlockDeviceMapping"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/"},
method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "BlockDeviceMapping",
        "variableName" : "member",
        "variableType" : "BlockDeviceMapping",
        "documentation" : "",
        "simpleType" : "BlockDeviceMapping",
        "variableSetterType" : "BlockDeviceMapping"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.</p> Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or { @link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<BlockDeviceMapping>",
    "documentation" : "",
    "simpleType" : "List<BlockDeviceMapping>",
    "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.</p> Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>
<p>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setBlockDeviceMappings(java.util.Collection)} or { @link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/"};
chained together.*";

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "<p>One or more block device mapping entries.\n  Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.\n  </p>",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet in which to launch the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.</p>
@param subnetId The ID of the subnet in which to launch the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.\n@return The ID of the subnet in which to launch the instance.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "SubnetId",
"setterDocumentation": "/**<p>The ID of the subnet in which to launch the instance.</p>
@param subnetId The ID of the subnet in which to launch the instance.*/",
"setterMethodName": "setSubnetId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the subnet in which to launch the instance.</p>
@param subnetId The ID of the subnet in which to launch the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "<p>The ID of the subnet in which to launch the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"c2jName": "NetworkInterfaces",
"c2jShape": "InstanceNetworkInterfaceSpecificationList",
"deprecated": false,
"documentation": "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaces",
"getterDocumentation": "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@return One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
*/",
"getterMethodName": "getNetworkInterfaces",
"getterModel": {
  "returnType": "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation": null
},

"returnType": null,
"documentation": null,
"isOptional": false,
"simple": true,
"varargSetterDocumentation": "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "<p>The ID of the subnet in which to launch the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NetworkInterface",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "networkInterfaceSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InstanceNetworkInterfaceSpecification",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return *
     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "InstanceNetworkInterfaceSpecification",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item"
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
 "variableDeclarationType": "InstanceNetworkInterfaceSpecification",
 "variableName": "member",
 "variableType": "InstanceNetworkInterfaceSpecification",
 "documentation": "",
 "simpleType": "InstanceNetworkInterfaceSpecification",
 "variableSetterType": "InstanceNetworkInterfaceSpecification"
 },
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
 "variableDeclarationType": "InstanceNetworkInterfaceSpecification",
 "variableName": "member",
 "variableType": "InstanceNetworkInterfaceSpecification",
 "documentation": "",
 "simpleType": "InstanceNetworkInterfaceSpecification",
 "variableSetterType": "InstanceNetworkInterfaceSpecification"
 },
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceNetworkInterfaceSpecification",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceNetworkInterfaceSpecification",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType": "java.util.List<InstanceNetworkInterfaceSpecification>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**\nOne or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/
\n@param networkInterfaces One or
more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface. */

setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface. </p><p>Note: This method appends the values to the existing list (if any). Use [@link setNetworkInterfaces(java.util.Collection)] or [@link withNetworkInterfaces(java.util.Collection)] if you want to override the existing values.</p><p>@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.

setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface. */",

getterDocumentation" : "/**<p>The IAM instance profile.</p>

getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
  "returnType" : "IamInstanceProfileSpecification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IamInstanceProfile",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "iamInstanceProfile",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IamInstanceProfile",
"setterDocumentation": "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName": "setIamInstanceProfile",
"setterModel": {
  "variableDeclarationType": "IamInstanceProfileSpecification",
  "variableName": "iamInstanceProfile",
  "variableType": "IamInstanceProfileSpecification",
  "documentation": "",
  "simpleType": "IamInstanceProfileSpecification",
  "variableSetterType": "IamInstanceProfileSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "IamInstanceProfileSpecification",
  "variableName": "iamInstanceProfile",
  "variableType": "IamInstanceProfileSpecification",
  "documentation": "<p>The IAM instance profile.</p>",
  "simpleType": "IamInstanceProfileSpecification",
  "variableSetterType": "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri": null,
"c2jName": "EbsOptimized",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O

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performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. 

```
<p>Default: <code>false</code></p>
```

"enumType" : null,

"fluentSetterDocumentation" : "/** <p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. 

Default: <code>false</code>

@return Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. 

Default: <code>false</code>

@returns a reference to this object so that method calls can be chained together. */",

"fluentSetterMethodName" : "withEbsOptimized",

"getterDocumentation" : "/** <p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. 

Default: <code>false</code>

@return Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. 

Default: <code>false</code>*/",

"getterMethodName" : "getEbsOptimized",

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EbsOptimized",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ebsOptimized",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "EbsOptimized",

"setterDocumentation" : "/** <p>Indicates whether the instance is optimized for EBS I/O. This optimization
provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. Default: false

@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. Default: false

@return Returns a reference to this object so that method calls can be chained together.
or the IDs of the security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.

```java
@Param
private void getAllSecurityGroups(AllSecurityGroups allSecurityGroups)
{
    // Implementation
}
```

```java
@Param
private void getMember(GroupIdentifier member)
{
    // Implementation
}
```

```java
@Param
private void withMember(GroupIdentifier member)
{
    // Implementation
}
```

```java
@Param
private void withAllSecurityGroups(AllSecurityGroups allSecurityGroups)
{
    // Implementation
}
```
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"},

"map" : false,
"marshallNonAutoConstructedEmptyLists" : null,
"name" : "AllSecurityGroups",
"setterDocumentation" : "/**\n * One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>\n * @param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",
"setterMethodName" : "setAllSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "allSecurityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},

"simple" : false,
"varargSetterDocumentation" : "/**\n * One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>\n * <b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setAllSecurityGroups(java.util.Collection) ] or [ @link #withAllSecurityGroups(java.util.Collection) ] if you want to override the existing values.</p>\n * @param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.\n * @return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "allSecurityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>\n * <p>NOTE:</p> This method appends the values to the existing list (if any). Use [ @link #setAllSecurityGroups(java.util.Collection) ] or [ @link #withAllSecurityGroups(java.util.Collection) ] if you want to override the existing values.</p>\n * @param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.\n * @return Returns a reference to this object so that method calls can be chained together.*/",

"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},

"xmlNameSpaceUri" : null
}
"c2jName" : "MonitoringEnabled",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param monitoringEnabled
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMonitoringEnabled",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMonitoringEnabled",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Enabled",
  "additionalUnmarshallingPath" : "enabled",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Monitoring",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "monitoring",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MonitoringEnabled",
"setterDocumentation" : "/**\n@param monitoringEnabled */",
"setterMethodName" : "setMonitoringEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoringEnabled",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"}
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param monitoringEnabled
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoringEnabled",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SecurityGroups",
"c2jShape" : "GroupNameStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group names.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security group names.</p>
@param securityGroups One or more security group names.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>One or more security group names.</p>
@return One or more security group names.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroup",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "securityGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
  }
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "GroupName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "GroupName",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {}
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more security group names.</p>
@param securityGroups One or more security group names.

"setterDocumentation" : "/**<p>One or more security group names.</p>

@link #setSecurityGroups(java.util.Collection) or
@link #withSecurityGroups(java.util.Collection) if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together.*"",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more security group names.</p>
@param securityGroups One or more security group names.

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Deprecated.</p>@param addressingType Deprecated.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "addressingType",
  "variableType" : "String",
  "documentation" : "<p>Deprecated.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AllSecurityGroups" : {
  "c2jName" : "AllSecurityGroups",
  "c2jShape" : "GroupIdentifierList",
  "deprecated" : false,
  "documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>@param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAllSecurityGroups",
  "getterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>@return One or more security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",
  "getterMethodName" : "getAllSecurityGroups",
  "getterModel" : {
    "returnType" : "java.util.List<GroupIdentifier>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "GroupIdentifier",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member"}
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setAllSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "allSecurityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",
  "simple" : false,
  "simpleType" : "GroupIdentifier",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "AllSecurityGroups",
"setterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>*/
@param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",  
"setterMethodName" : "setAllSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "allSecurityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",  
  "simple" : false,
  "simpleType" : "GroupIdentifier",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "templateType" : "java.util.List<GroupIdentifier>"};
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups. NOTE: This method appends the values to the existing list (if any). Use \[@link #setAllSecurityGroups(java.util.Collection)\] or \[@link #withAllSecurityGroups(java.util.Collection)\] if you want to override the existing values.\n\n@\param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "allSecurityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>",
"xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted."
},
"enumType" : null,
"fluentSetterDocumentation" : "/** One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.\n\n@\param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.\n\n@\return One or more block device mapping entries.\n\n@\param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<BlockDeviceMapping>",
"documentation" : null
}
One or more block device mapping entries.</p> Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not
Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.

```java
@Param blockDeviceMappings
```

One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.

```java
setterMethodName": "setBlockDeviceMappings",
setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"simple": false,
"varargSetterDocumentation": "/*\n**<p>One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "<p>One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>
"},
"xmlNameSpaceUri": null,
"EbsOptimized": {
  "c2jName": "EbsOptimized",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\n@Default: <code>false</code> \n\n</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/*\n**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\n@Default: <code>false</code> \n\n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\n@Default: <code>false</code> \n\n@return Returns a reference to this object so that method calls can be chained together.*/
```
available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

Default: false

@return Returns a reference to this object so that method calls can be chained together.

/**
 * Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 * 
 * Default: false
 *
 * @param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 * 
 * Default: false
 */

"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
],
"simple" : true,
"varargSetterDocumentation" : "/**
Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>
@n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
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"deprecated" : false,
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The IAM instance profile.\n@n@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",

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The IAM instance profile.\n@n@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",

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@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
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  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "",
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  "variableSetterType" : "IamInstanceProfileSpecification"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "<p>The IAM instance profile.</p>
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  "variableSetterType" : "IamInstanceProfileSpecification"
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  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI.</p>",
  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
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@return The ID of the AMI.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : "InstanceType",
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"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/*\n@param instanceType The instance type.\n@return The instance type.\n@see InstanceType*/",
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"documentation" : "",
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"variableSetterType" : "String"
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 * @param instanceType The instance type.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see InstanceType*/",
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  "enumType" : null,
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 * @param kernelId The ID of the kernel.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**\n * The ID of the kernel.
 * @return The ID of the kernel.*/",
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  "documentation": "",
  "enumType": null,
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  "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**\n@return */",
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"variableSetterType" : "InstanceNetworkInterfaceSpecification"
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@return Returns a reference to this object so that method calls can be chained together.*/"
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must
specify subnet IDs and security group IDs using the network interface.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
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"setterModel" : {
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"variableName" : "networkInterfaces",
"variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : "",
"simpleType" : "List<InstanceNetworkInterfaceSpecification>",
"variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/*&gt;&lt;p&gt;One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.&lt;/p&gt;&lt;n&gt;&lt;b&gt;NOTE:&lt;/b&gt; This
method appends the values to the existing list (if any). Use {@link #setNetworkInterfaces(java.util.Collection)} or
{@link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.&lt;/p&gt;&lt;n&gt;&lt;/param
networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.&lt;n&gt;&lt;/return Returns a reference to this object so that method calls
can be chained together.*/",
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"documentation": "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
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"c2jShape": "SpotPlacement",
"deprecated": false,
"documentation": "<p>The placement information for the instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The placement information for the instance.</p>
@param placement
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPlacement",
"getterDocumentation": "/**<p>The placement information for the instance.</p>
@return The placement information for the instance.*/",
"getterMethodName": "getPlacement",
"getterModel": {
"returnType": "SpotPlacement",
"documentation": null
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"mapModel": null,
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"setterMethodName": "setPlacement",
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  "documentation": "",
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  "variableSetterType": "SpotPlacement"
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  "enumType": null,
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  "getterDocumentation": "/**/*.p>The ID of the RAM disk.\n@return The ID of the RAM disk.\n*/",
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    "documentation": null
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"variableSetterType" : "String"
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"c2jShape" : "GroupNameStringList",
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"documentation" : "<p>One or more security group names.</p>",
"enumType" : null,
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@param securityGroups One or more security group names.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return One or more security group names.*/",
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  "isPayload" : false,
  "isStreaming" : false,
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "String",
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    "documentation" : "",
    "enumType" : null,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return"]/",
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  "documentation" : null
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  "variableSetterType" : "String"
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
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"templateType": "java.util.List<String>",
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"mapModel": null,
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"setterModel": {
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"variableName": "securityGroups",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/*\nOne or more security group names.\nNOTE:\nThis method appends the values to the existing list (if any). Use [@link #setSecurityGroups(java.util.Collection)] or [@link #withSecurityGroups(java.util.Collection)] if you want to override the existing values.\n@param securityGroups One or more security group names.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "securityGroups",
"variableType": "java.util.List<String>",
"documentation": "One or more security group names."
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>
"xmlNameSpaceUri": null
},
"SubnetId": {
"c2jName": "SubnetId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the subnet in which to launch the instance."
"enumType": "null",
"fluentSetterDocumentation": "/*\nThe ID of the subnet in which to launch the instance.\n@param subnetId The ID of the subnet in which to launch the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSubnetId",
"getterDocumentation": "/*\nThe ID of the subnet in which to launch the instance.\n@return The ID of the subnet in which to launch the instance.*/",
"getterMethodName": "getSubnetId",
"getterModel": {
"returnType": "String",
"documentation": null
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SubnetId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "subnetId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.</p>
@param subnetId
The ID of the subnet in which to launch the instance.*\*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "subnetId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.</p>
@param subnetId The ID of the subnet in which to launch the instance.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "subnetId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the subnet in which to launch the instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserData" : {
"c2jName": "UserData",
"c2jShape": "String",
"deprecated": false,
"documentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
"enumType": null,
"fluentSetterDocumentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
"getterDocumentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
"getterMethodName": "getUserData",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "unmarshallLocationName": "userData",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UserData",
"setterDocumentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

setterMethodName" : "setUserData",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "userData",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "userData",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LaunchSpecification",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : null,
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
},
"wrapper" : false
"ListingState" : {
    "c2jName" : "ListingState",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : [ {
        "name" : "Available",
        "value" : "available"
    }, {
        "name" : "Sold",
        "value" : "sold"
    }, {
        "name" : "Cancelled",
        "value" : "cancelled"
    }, {
        "name" : "Pending",
        "value" : "pending"
    } ],
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "ListingState",
    "unmarshaller" : {
        "flattened" : false,
        "resultWrapper" : null
    },
    "variable" : {
        "variableDeclarationType" : "ListingState",
        "variableName" : "listingState",
        "variableType" : "ListingState",
        "documentation" : null,
        "simpleType" : "ListingState",
        "variableSetterType" : "ListingState"
    }
}
"wrapper" : false
},
"ListingStatus" : {
  "c2jName" : "ListingStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Active",
    "value" : "active"
  }, {
    "name" : "Pending",
    "value" : "pending"
  }, {
    "name" : "Cancelled",
    "value" : "cancelled"
  }, {
    "name" : "Closed",
    "value" : "closed"
  } ],
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ListingStatus",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "listingStatus",
    "variableType" : "ListingStatus",
    "documentation" : null,
    "simpleType" : "ListingStatus",
    "variableSetterType" : "ListingStatus"
"ModifyHostsRequest": {
  "c2jName": "ModifyHostsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ModifyHosts.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "ModifyHosts",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "HostIds",
      "c2jShape": "RequestHostIdList",
      "deprecated": false,
      "documentation": "<p>The host IDs of the Dedicated Hosts you want to modify.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "**<p>The host IDs of the Dedicated Hosts you want to modify.</p>\n@<param>hostIds The host IDs of the Dedicated Hosts you want to modify.\n@<return>Returns a reference to this object so that method calls can be chained together.</param>**",
      "fluentSetterMethodName": "withHostIds",
      "getterDocumentation": "**<p>The host IDs of the Dedicated Hosts you want to modify.</p>\n@<param>hostIds The host IDs of the Dedicated Hosts you want to modify.\n@<return>The host IDs of the Dedicated Hosts you want to modify.</param>**",
      "getterMethodName": "getHostIds",
      "getterModel": {
        "returnType": "java.util.List<String>",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**\nThe host IDs of the Dedicated Hosts you want to modify.\n@param hostIds The host IDs of the Dedicated Hosts you want to modify.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The host IDs of the Dedicated Hosts you want to modify.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setHostIds(java.util.Collection) ] or [ @link #withHostIds(java.util.Collection) ] if you want to override the existing values.</p>
  <p>@param hostIds The host IDs of the Dedicated Hosts you want to modify.</p>
  <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The host IDs of the Dedicated Hosts you want to modify.</p>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setHostIds(java.util.Collection) ] or [ @link #withHostIds(java.util.Collection) ] if you want to override the existing values.</p>
    <p>@param hostIds The host IDs of the Dedicated Hosts you want to modify.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/
  "xmlNameSpaceUri" : null
},
"c2jName" : "AutoPlacement",
"c2jShape" : "AutoPlacement",
"deprecated" : false,
"documentation" : "<p>Specify whether to enable or disable auto-placement.</p>
  <p>@return Specify whether to enable or disable auto-placement.</p>*/
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AutoPlacement",
    "queryString" : false,
    "returnType" : "String",
    "documentation" : null
  },
"statusCode" : false,
"unmarshallLocationName" : "autoPlacement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**
<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.
@see AutoPlacement*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.
@return Returns a reference to this object so that method calls can be chained together.
@see AutoPlacement*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "<p>Specify whether to enable or disable auto-placement.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "AutoPlacement" : {
    "c2jName" : "AutoPlacement",
    "c2jShape" : "AutoPlacement",
    "deprecated" : false,
    "documentation" : "<p>Specify whether to enable or disable auto-placement.</p>",
    "enumType" : "AutoPlacement",
    "fluentSetterDocumentation" : "/**
<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.
@return Returns a reference to this object so that method calls can be chained together.
@see AutoPlacement*/",
    "fluentSetterMethodName" : "withAutoPlacement",
    "getterDocumentation" : "/**
<p>Specify whether to enable or disable auto-placement.</p>
@return Specify whether to enable or disable auto-placement.
@see AutoPlacement*/"}
"getterMethodName" : "getAutoPlacement",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AutoPlacement",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "autoPlacement",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.
@see AutoPlacement*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "autoPlacement",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.
@return Returns a reference to this object so that method calls can be chained together.
@see AutoPlacement*/"}
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
"hostIds The host IDs of the Dedicated Hosts you want to modify.*/
@param hostIds The host IDs of the Dedicated Hosts you want to modify.*"},
"setterMethodName" : "setHostIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"simpleType" : "java.util.List<String>",
"documentation" : "",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/*\n<p>The host IDs of the Dedicated Hosts you want to modify.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setHostIds(java.util.Collection)\} or \{@link #withHostIds(java.util.Collection)\} if you want to override the existing values.</b>\n@param hostIds The host IDs of the Dedicated Hosts you want to modify.\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "HostIds", "AutoPlacement" ],
"shapeName" : "ModifyHostsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ModifyHostsRequest",
  "variableName" : "modifyHostsRequest",
  "variableType" : "ModifyHostsRequest",
  "documentation" : null,
  "simpleType" : "ModifyHostsRequest",
  "variableSetterType" : "ModifyHostsRequest"
  },
  "wrapper" : false
},
"ModifyHostsResult" : {
  "c2jName" : "ModifyHostsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ModifyHosts.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Successful",
    "c2jShape" : "ResponseHostIdList",
    "deprecated" : false,
    "documentation" : "<p>The IDs of the Dedicated Hosts that were successfully modified.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>
@returns The IDs of the Dedicated Hosts that were successfully modified.

@returns A reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>
@returns The IDs of the Dedicated Hosts that were successfully modified.

@returns A reference to this object so that method calls can be chained together.*/",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "method" : "POST",
      "path" : "modifyHosts",
      "responseNamespace" : "com.amazonaws.services.dedicatedhost.model"
    }
  },
  "wrapper" : false
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Successful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "successful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */

setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/

variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
",
"map": false,
"mapModel": null,
"name": "Successful",
"setterDocumentation": "The IDs of the Dedicated Hosts that were successfully modified."

setterMethodName": "setSuccessful",
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    "variableName" : "successful",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "simple" : false,
  "varargSetterDocumentation" : "<p>The IDs of the Dedicated Hosts that were successfully modified.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setSuccessful(java.util.Collection) or @link #withSuccessful(java.util.Collection) if you want to override the existing values.</p>
  <p>@param successful The IDs of the Dedicated Hosts that were successfully modified.</p>
  <p>@return Returns a reference to this object so that method calls can be chained together.</p>",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "successful",
    "variableType" : "java.util.List<String>",
    "documentation" : "The IDs of the Dedicated Hosts that were successfully modified.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "Unsuccessful",
  "c2jShape" : "UnsuccessfulItemList",
  "deprecated" : false,
  "documentation" : "The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>
  <p>@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>
  <p>@return Returns a reference to this object so that method calls can be chained together.</p>",
  "fluentSetterMethodName" : "withUnsuccessful",
  "getterDocumentation" : "<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>
  <p>@return The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>",
  "getterMethodName" : "getUnsuccessful",
  "getterModel" : {
    "returnType" : "java.util.List<UnsuccessfulItem>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "additionalFlatteningStrategy" : null,
    "additionalUnflatteningStrategy" : null
  }
}
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "UnsuccessfulItem",
  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "documentation": "",
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable": {
  "variableDeclarationType": "UnsuccessfulItem",
  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "documentation": "",
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "UnsuccessfulItem",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "UnsuccessfulItem",
"templateImplType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType": "java.util.List<UnsuccessfulItem>"
},
"map": false,
"mapModel": null,
"name": "Unsuccessful",
"setterDocumentation": "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>
@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.*/",
"setterMethodName": "setUnsuccessful",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName": "unsuccessful"
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>
}
,"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>

NOTE:<b>Note:</b> This method appends the values to the existing list (if any). Use {@link #setUnsuccessful(java.util.Collection)} or { @link #withUnsuccessful(java.util.Collection)} if you want to override the existing values.</p>

@par

un@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Successful" : {
"c2jName" : "Successful",
"c2jShape" : "ResponseHostIdList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts that were successfully modified.</p>

@returns The IDs of the Dedicated Hosts that were successfully modified.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>

@returns The IDs of the Dedicated Hosts that were successfully modified.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSuccessful",
"getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>

@returns The IDs of the Dedicated Hosts that were successfully modified.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getSuccessful",
"getterModel" : {

"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"name": "Member",
"setterDocumentation": "/**\n @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n @param member 
 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Successful",
"setterDocumentation": "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>
 @param successful The IDs of the Dedicated Hosts that were successfully modified.*/",
"setterMethodName": "setSuccessful",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "successful",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "String"}
"variableSetterType" : "java.util.Collection<String>" ]
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * The IDs of the Dedicated Hosts that were successfully modified.
 */

<b>NOTE:</b> This method appends the values to the existing list (if any). Use {
@link #setSuccessful(java.util.Collection)} or {
@link #withSuccessful(java.util.Collection)} if you want to override the existing values.

\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "successful",
"variableType" : "java.util.List<String>",
"documentation" : "pThe IDs of the Dedicated Hosts that were successfully modified.

\pThe IDs of the Dedicated Hosts that were successfully modified.

\param successful The IDs of the Dedicated Hosts that were successfully modified.
\returns Returns a reference to this object so that method calls can be chained together. */",
"xmlNameSpaceUri" : null
}
,"Unsuccessful" : {
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemList",
"deprecated" : false,
"documentation" : "pThe IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.
 */

\n\param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.
\returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "/**
 * The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.
 */

\n\returns The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used. */",
"getterMethodName" : "getUnsuccessful",
"getterModel" : {
"returnType" : "java.util.List<UnsuccessfulItem>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Unsuccessful",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "UnsuccessfulItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param member \n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "UnsuccessfulItem",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@\n@param member */",
    "setterMethodName" : "setMember",
}
"setterModel" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**
<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>
@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.*/",
"setterMethodName" : "setUnsuccessful",
"setterModelName" : "setUnsuccessful",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "",
  "simpleType" : "List<UnsuccessfulItem>",
  "variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"setterDocumentation" : "/**
@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.*/"
The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.

@@param unsuccessful
The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.

@return
Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
    "variableName" : "unsuccessful",
    "variableType" : "java.util.List<UnsuccessfulItem>",
    "documentation" : "The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.
   
    @param unsuccessful
    The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.
    
    @return
    Returns a reference to this object so that method calls can be chained together.*/
    
    "variable" : {
        "variableDeclarationType" : "ModifyHostsResult",
        "variableName" : "modifyHostsResult",
        "variableType" : "ModifyHostsResult",
        "documentation" : null,
        "simpleType" : "ModifyHostsResult",
        "variableSetterType" : "ModifyHostsResult"
    },
    "wrapper" : false
},

"ModifyIdFormatRequest" : {
    "c2jName" : "ModifyIdFormatRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Contains the parameters of ModifyIdFormat.</p>"
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ModifyIdFormat",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "Resource",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResource",
"getterDocumentation" : "/**
 * The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 * @return The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 */",
"getterMethodName" : "getResource",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Resource",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Resource",
"uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**\n * The type of resource: \n * <code>instance</code> | \n * <code>reservation</code> | \n * <code>snapshot</code> | \n * <code>volume</code>\n * @param resource The type of resource:
 * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The type of resource: \n * <code>instance</code> | \n * <code>reservation</code> | \n * <code>snapshot</code> | \n * <code>volume</code>\n * @param resource The type of resource:
 * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n * @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "The type of resource: \n * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n * @param resource\n * @return\n * @return Returns a reference to this object so that method calls can be chained together. */",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UseLongIds",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicate whether the resource should use longer IDs (17-character IDs).\n</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Indicate whether the resource should use longer IDs (17-character IDs).\n * @param useLongIds\n * @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withUseLongIds",
"getterDocumentation" : "/**\n * Indicate whether the resource should use longer IDs (17-character IDs).\n * @param useLongIds\n * @return\n * @return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getUseLongIds",
"getterModel" : {
  "returnType" : "Boolean",
}
/*\n**<p>Indicate whether the resource should use longer IDs (17-character IDs).
**@param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).
**<p>Returns a reference to this object so that method calls can be chained together.*/
*/

"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "useLongIds",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\n**<p>Indicate whether the resource should use longer IDs (17-character IDs).
**@param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).
**\n@return
**Returns a reference to this object so that method calls can be chained together.*/
*/

"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "useLongIds",
  "variableType": "Boolean",
  "documentation": "<p>Indicate whether the resource should use longer IDs (17-character IDs).
**
**``simpleType": "Boolean",
  "variableSetterType": "Boolean"
}.
"xmlNameSpaceUri": null
}]}
"membersAsMap" : {
    "Resource" : {
        "c2jName" : "Resource",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> <p>@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withResource",
        "getterDocumentation" : "/**\n@return The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/",
        "getterMethodName" : "getResource",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Resource",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "Resource",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Resource",
        "setterDocumentation" : "/**\n@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> <p>@return Returns a reference to this object so that method calls can be chained together.*/",
        "setterMethodName" : "setResource",
        "setterModel" : {
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            "variableType" : "String"
        }
    }
}
"variableName" : "resource",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> 
* @param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> 
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "resource",
    "variableType" : "String",
    "documentation" : "The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UseLongIds" : {
    "c2jName" : "UseLongIds",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "Indicate whether the resource should use longer IDs (17-character IDs).
* @param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withUseLongIds",
    "getterDocumentation" : "**\n* Indicate whether the resource should use longer IDs (17-character IDs).
* @return Indicates whether the resource should use longer IDs (17-character IDs).*/",
    "getterMethodName" : "getUseLongIds",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "useLocation" : false,
        "useTargetPrefix" : false,
        "useTypeMapping" : false,
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        "requestUri" : null,
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        "responseUri" : null,
        "serviceName" : null,
        "servicePath" : null,
        "serviceUri" : null,
        "version" : null
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    "additionalResponsePropertiesAsMapStringsStringsStrings" : null,
    "additionalPropertiesAsMapStringsStringsStrings" : null
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}
"marshallLocationName": "UseLongIds",
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"statusCode": false,
"unmarshallLocationName": "UseLongIds",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UseLongIds",
"setterDocumentation": "<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>
@param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).

setterMethodName": "setUseLongIds",
"setterModel": {
  "variableDeclarationType": "Boolean",
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  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "<p>Indicate whether the resource should use longer IDs (17-character IDs).
@param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).

variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "useLongIds",
  "variableType": "Boolean",
  "documentation": "<p>Indicate whether the resource should use longer IDs (17-character IDs).

xmlNameSpaceUri": null
}
",
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "Resource", "UseLongIds" ],
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"unmarshaller": null,
"variable": {
  "variableDeclarationType": "ModifyIdFormatRequest",
  "variableName": "modifyIdFormatRequest",
  "variableType": "ModifyIdFormatRequest",
  "documentation": ""
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"simpleType" : "ModifyIdFormatRequest",
"variableSetterType" : "ModifyIdFormatRequest"
},
"wrapper" : false
},
"ModifyIdFormatResult" : {
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"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"requestSignerAware" : false,

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"variableName" : "modifyIdFormatResult",
"variableType" : "ModifyIdFormatResult",
"documentation" : null,
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"variableSetterType" : "ModifyIdFormatResult",

"wrapper" : false
},

"ModifyIdentityIdFormatRequest" : {
"c2jName" : "ModifyIdentityIdFormatRequest",
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  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters of ModifyIdentityIdFormat.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "ModifyIdentityIdFormat",
 "locationName" : null,
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 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
"members" : [
 { "c2jName" : "Resource",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
 "enumType" : null,
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
 "getterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@returns a reference to this object so that method calls can be chained together.*/",
 "getterMethodName" : "getResource",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Resource",
 },
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "resource",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together. */",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UseLongIds",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
  @param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)<n@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withUseLongIds"}
"getterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@return Indicates whether the resource should use longer IDs (17-character IDs)*/",
"getterMethodName" : "getUseLongIds",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UseLongIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "useLongIds",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UseLongIds",
"setterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)*/",
"setterMethodName" : "setUseLongIds",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the resource should use longer IDs (17-character IDs)<p>"
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "PrincipalArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ARN of the principal, which can be an IAM user, IAM role, or the root user.
Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.

@returns {String} The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.

@typedef {String} PrincipalArn

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"setterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>
@param principalArn The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.*/",
"setterMethodName" : "setPrincipalArn",
"setterModel" : {
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  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>
@param principalArn The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : <p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "PrincipalArn" : {
    "c2jName" : "PrincipalArn",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.\n<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPrincipalArn",
    "getterDocumentation" : "The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.\n<br/>@return Returns a reference to this object so that method calls can be chained together.*/
  }
}
user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account. 

@returns The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.

```json
"getterMethodName" : "getPrincipalArn",
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  "returnType" : "String",
  "documentation" : null
},
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrincipalArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "principalArn",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrincipalArn",
"setterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"setterMethodName" : "setPrincipalArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
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  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
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  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "*/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"varargSetterMethodName" : "setPrincipalArn",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : ".",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
account.

@returns Returns a reference to this object so that method calls can be chained together.*/

  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "principalArn",
    "variableType" : "String",
    "documentation" : "<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null,
},
"Resource" : {
  "c2jName" : "Resource",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
  "@return Returns a reference to this object so that method calls can be chained together.*/
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
  "getterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
  "getterMethodName" : "getResource",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Resource",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "resource",
    "uri" : false
  },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UseLongIds" : {
  "c2jName" : "UseLongIds",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>\n@param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUseLongIds",
  "getterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>\n@return Indicates whether the resource should use longer IDs (17-character IDs)\n"",
  "getterMethodName" : "getUseLongIds",
  "getterModel" : {
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"returnType" : "Boolean",
"documentation" : null
",
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UseLongIds",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "useLongIds",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UseLongIds",
"setterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUseLongIds",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "useLongIds",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "useLongIds",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**<p>The name of the attribute to modify.</p>
@return The name of the attribute to modify.</p>*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
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  "unmarshallLocationName" : "Attribute",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The name of the attribute to modify.</p>
@param attribute The name of the attribute to modify.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the attribute to modify.</p>
@param attribute The name of the attribute to modify.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableDeclarationType" : "String",
"variableName" : "operationType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**
 * The operation type.
 * @param operationType The operation type.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see OperationType*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "operationType",
"variableType" : "String",
"documentation" : "<p>The operation type.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "UserIds",
"c2jShape" : "UserIdStringList",
"deprecated" : false,
"documentation" : 
"p>One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.</p",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * One or more AWS account IDs. This is only valid when modifying the
 * <code>launchPermission</code> attribute.
 * @param userIds One or more AWS account IDs. This is only valid when modifying the
 * <code>launchPermission</code> attribute.
 * @return Returns a reference to this object so that method calls can be chained together.*/
 *
 "fluentSetterMethodName" : "withUserIds",
 "getterDocumentation" : "/**
 * One or more AWS account IDs. This is only valid when modifying the
 * <code>launchPermission</code> attribute.
 * @return One or more AWS account IDs. This is only valid when modifying the
 * <code>launchPermission</code> attribute.*/
 *
 "getterMethodName" : "getUserIds",
 "getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "UserId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "UserId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
}
setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*"/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "UserId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"},
"map": false,
"mapModel": null,
"name": "UserIds",
"setterDocumentation": "/**<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>
@param userIds One or more AWS account IDs. This is only valid
when modifying the <code>launchPermission</code> attribute.*/",
"setterMethodName": "setUserIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "userIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>".,
  "xmlNameSpaceUri": null
}}
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.<br/><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setUserIds(java.util.Collection) } or { @link #withUserIds(java.util.Collection) } if you want to override the existing values.<br/>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "/p>One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.<br/>
  @param userIds One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.<br/>
  @return Returns a reference to this object so that method calls can be chained together. */",
  "xmlNameSpaceUri" : null
},
"c2jName" : "UserGroups",
"c2jShape" : "UserGroupStringList",
"deprecated" : false,
"documentation" : "/p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.<br/>
@param userGroups One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.<br/>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withUserGroups",
"getterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.<br/>
@return One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute. */",
"getterMethodName" : "getUserGroups",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "UserGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserGroup",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UserGroup",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */".
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "UserGroups",
"setterDocumentation" : "<p>One or more user groups. This is only valid when modifying the<br>
<code>launchPermission</code> attribute.</p>
@param userGroups One or more user groups. This is only valid when modifying the<br>
<code>launchPermission</code> attribute.*/",
"setterMethodName" : "setUserGroups",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "userGroups",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.
  \n  <p>NOTE:</p> This method appends the values to the existing list (if any). Use [@link #setUserGroups(java.util.Collection)] or [@link #withUserGroups(java.util.Collection)] if you want to override the existing values.\n  \n  @param userGroups One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.\n  \n  Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeStringList",
"deprecated" : false,
"documentation" : "One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.
  \n  \n  @param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n  \n  Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.
  \n  \n  @param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n  \n  Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCodes",
  "getterDocumentation" : "One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.
  \n  \n  @return One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n  \n  Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getProductCodes",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ProductCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : /*
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : /*@return */
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "marshallLocationName" : "ProductCode",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ProductCode",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ProductCode",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.</p>
@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<String>",
  "documentation" : ""
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the &lt;code&gt;productCodes&lt;/code&gt; attribute.&lt;/p&gt;\n@b&gt;NOTE:&lt;/b&gt; This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.&lt;/p&gt;\n@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the &lt;code&gt;productCodes&lt;/code&gt; attribute.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "productCodes",
"variableType" : "java.util.List<String>",
"documentation" : "&lt;p&gt;One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the &lt;code&gt;productCodes&lt;/code&gt; attribute.&lt;/p&gt;",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Value",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The value of the attribute being modified. This is only valid when modifying the &lt;code&gt;description&lt;/code&gt; attribute.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The value of the attribute being modified. This is only valid when modifying the &lt;code&gt;description&lt;/code&gt; attribute.&lt;/p&gt;\n@value The value of the attribute being modified. This is only valid when modifying the &lt;code&gt;description&lt;/code&gt; attribute.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValue",
"getterDocumentation" : "/**&lt;p&gt;The value of the attribute being modified. This is only valid when modifying the &lt;code&gt;description&lt;/code&gt; attribute.&lt;/p&gt;\n@return The value of the attribute being modified. This is only valid when modifying the &lt;code&gt;description&lt;/code&gt; attribute.&lt;/p&gt;",
"getterMethodName" : "getValue",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Value",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "/**<p>The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n@param value The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.*/
@param value The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n@param value The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "LaunchPermission",
  "c2jShape" : "LaunchPermissionModifications",
  "deprecated" : false,
  "documentation" : "A launch permission modification.\n@returns\nA launch permission modification.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A launch permission modification.\n@returns\nA launch permission modification.*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "setterModel" : {
    "variableDeclarationType" : "LaunchPermission",
    "variableName" : "launchPermission",
    "variableType" : "LaunchPermissionModifications",
    "documentation" : "",
    "simpleType" : "LaunchPermission",
    "variableSetterType" : "LaunchPermissionModifications"
  },
  "xmlNameSpaceUri" : null
}
launch permission modification.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withLaunchPermission",
"getterDocumentation" : "/**<p>A launch permission modification.</p>
@return A launch permission modification.*/",
"getterMethodName" : "getLaunchPermission",
"getterModel" : {
 "returnType" : "LaunchPermissionModifications",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "LaunchPermission",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "LaunchPermission",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchPermission",
"setterDocumentation" : "/**<p>A launch permission modification.</p>
@param launchPermission A launch permission modification.*/",
"setterMethodName" : "setLaunchPermission",
"setterModel" : {
 "variableDeclarationType" : "LaunchPermissionModifications",
 "variableName" : "launchPermission",
 "variableType" : "LaunchPermissionModifications",
 "documentation" : "",
 "simpleType" : "LaunchPermissionModifications",
 "variableSetterType" : "LaunchPermissionModifications"
 },
"simple" : false,
"varargSetterDocumentation" : "/**<p>A launch permission modification.</p>
@param launchPermission A launch permission modification.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "LaunchPermissionModifications",
"variableName" : "launchPermission",
"variableType" : "LaunchPermissionModifications",
"variableSetterType" : "LaunchPermissionModifications"}
"variableName": "description",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>A description for the AMI.</p>
@param description A description for the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "description",
"variableType": "String",
"documentation": "<p>A description for the AMI.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": "null"
}],
"membersAsMap": {
"Attribute": {
"c2jName": "Attribute",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The name of the attribute to modify.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The name of the attribute to modify.</p>
@param attribute The name of the attribute to modify.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAttribute",
"getterDocumentation": "/**<p>The name of the attribute to modify.</p>
@return The name of the attribute to modify.*/",
"getterMethodName": "getAttribute",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Attribute",
"queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"uri" : false,
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n*p>The name of the attribute to modify.\n*@param attribute The name of the
attribute to modify.*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The name of the attribute to modify.\n*@param attribute The name
of the attribute to modify.\n*\n@\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The name of the attribute to modify.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description for the AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n*p>A description for the AMI.\n*@param description A description for
the AMI.\n*\n@\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**\n*p>A description for the AMI.\n*@return A description for the AMI.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
  }
}
"documentation": null,
"http": {
  "additionalmarshallingPath": "Value",
  "additionalunmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": true,
  "isStreaming": true,
  "location": null,
  "marshalllocationName": "Description",
  "queryString": false,
  "statusCode": false,
  "unmarshalllocationName": "Description",
  "uri": false
},
"idempotencetoken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**\n * A description for the AMI.
 * @param description A description for the AMI.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargsetterDocumentation": "/**A description for the AMI.
 * @param description A description for the AMI
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "A description for the AMI.
  "simple": false,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"ImageId": {
  "additionalmarshallingPath": "Value",
  "additionalunmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshalllocationName": "Description",
  "queryString": false,
  "statusCode": false,
  "unmarshalllocationName": "Description",
  "uri": false
},
"idempotencetoken": false,
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the AMI.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the AMI.&lt;/p&gt;\n@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**&lt;p&gt;The ID of the AMI.&lt;/p&gt;\n@returns The ID of the AMI.\n@return A reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getImageId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImageId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ImageId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**&lt;p&gt;The ID of the AMI.&lt;/p&gt;\n@returns A reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**&lt;p&gt;The ID of the AMI.&lt;/p&gt;\n@returns A reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withImageId"}
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "<p>The ID of the AMI.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"LaunchPermission": {
  "c2jName": "LaunchPermission",
  "c2jShape": "LaunchPermissionModifications",
  "deprecated": false,
  "documentation": "<p>A launch permission modification.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>A launch permission modification.</p>
  @param launchPermission A launch permission modification.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withLaunchPermission",
  "getterDocumentation": "/**<p>A launch permission modification.</p>
  @return A launch permission modification.
  */",
  "getterMethodName": "getLaunchPermission",
  "getterModel": {
    "returnType": "LaunchPermissionModifications",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "LaunchPermission",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "LaunchPermission",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "LaunchPermission",
"setterDocumentation" : "/** A launch permission modification. 
@param launchPermission A launch permission modification. */",
"setterMethodName" : "setLaunchPermission",
"setterModel" : {
  "variableDeclarationType" : "LaunchPermissionModifications",
  "variableName" : "launchPermission",
  "variableType" : "LaunchPermissionModifications",
  "documentation" : "",
  "simpleType" : "LaunchPermissionModifications",
  "variableSetterType" : "LaunchPermissionModifications"
},
"simple" : false,
"varargSetterDocumentation" : "/** A launch permission modification. 
@param launchPermission A launch permission modification. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "LaunchPermissionModifications",
  "variableName" : "launchPermission",
  "variableType" : "LaunchPermissionModifications",
  "documentation" : "A launch permission modification.
@return Returns a reference to this object so that method calls can be chained together.
@see OperationType",
  "variableSetterType" : "LaunchPermissionModifications"
},
"xmlNameSpaceUri" : null
},
"OperationType" : {
  "c2jName" : "OperationType",
  "c2jShape" : "OperationType",
  "deprecated" : false,
  "documentation" : "The operation type.

@see OperationType",
  "enumType" : "OperationType",
  "fluentSetterDocumentation" : "/** The operation type. 
@param operationType The operation type.
@return Returns a reference to this object so that method calls can be chained together.
@see OperationType */",
  "fluentSetterMethodName" : "withOperationType",
  "getterDocumentation" : "/** The operation type. 
@return The operation type.
@see OperationType */",
  "getterMethodName" : "getOperationType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 7839"
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OperationType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OperationType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OperationType",
"setterDocumentation" : "/**<p>The operation type.</p>
@param operationType The operation type.
@see OperationType*/",
"setterMethodName" : "setOperationType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "operationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The operation type.</p>
@param operationType The operation type.
@return Returns a reference to this object so that method calls can be chained together.
@see OperationType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "operationType",
  "variableType" : "String",
  "documentation" : "<p>The operation type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ProductCodes" : {
  "c2jName" : "ProductCodes",
  "c2jShape" : "ProductCodeStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it
can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n\n@returns

Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getProductCodes",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProductCode",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "@param member \n@returns

Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "@returns

One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.

@returns

One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.*/

"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
}
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "productCodes",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n@link #setProductCodes(java.util.Collection) or @link #withProductCodes(java.util.Collection) if you want to override the existing values.\n@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "productCodes",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"UserGroups" : {
"c2jName" : "UserGroups",
"c2jShape" : "UserGroupStringList",
"deprecated" : false,
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "UserGroups",
"setterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>
@param userGroups One or more user groups. This is only valid
when modifying the <code>launchPermission</code> attribute. */",
"setterMethodName" : "setUserGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "userGroups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>
<p><b>NOTE:</b> This method appends the values to the
existing list (if any). Use [@link #setUserGroups(java.util.Collection)] or [@link
#withUserGroups(java.util.Collection)] if you want to override the existing values.</p>
@param userGroups One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "userGroups",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"UserIds" : {
"c2jName" : "UserIds",
"c2jShape" : "UserIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.
*/

@param userIds One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserIds",
"getterDocumentation" : "/**
One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.

@return One or more AWS account IDs. This is only valid when modifying the <code>launchPermission</code> attribute.*/

getterMethodName" : "getUserIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
getterMethodName" : "getMember",
"getterModel" : [}
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserId"
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "UserIds",
"setterDocumentation" : "/**
* One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute. This is only valid when modifying the
<code>launchPermission</code> attribute.*/

@param userIds One or more AWS account IDs. This is only valid
when modifying the <code>launchPermission</code> attribute. */",
"setterMethodName" : "setUserIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute. This method appends the values to the
existing list (if any). Use {@link #setUserIds(java.util.Collection)} or
{@link #withUserIds(java.util.Collection)} if you want to override the existing values. */

@param userIds One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.

@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"Value" : {
  "c2jName" : "Value",
  "c2jShape" : "String",
  "deprecated" : false,
"documentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.",
"enumType" : null,
"fluentSetterDocumentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute."\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withValue",
"getterDocumentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n@return The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute. */",
"getterMethodName" : "getValue",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Value",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n@return The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute. */",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/*\*\*<p>The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.</p>\*\*/\n@param value The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute."",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "ImageId" ],
"shapeName" : "ModifyImageAttributeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ModifyImageAttributeRequest",
  "variableName" : "modifyImageAttributeRequest",
  "variableType" : "ModifyImageAttributeRequest",
  "documentation" : null,
  "simpleType" : "ModifyImageAttributeRequest",
  "variableSetterType" : "ModifyImageAttributeRequest"
},
"wrapper" : false,
"ModifyImageAttributeResult" : {
  "c2jName" : "ModifyImageAttributeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStatusPolicyMember" : false
}
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyImageAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyImageAttributeResult",
  "variableName" : "modifyImageAttributeResult",
  "variableType" : "ModifyImageAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifyImageAttributeResult",
  "variableSetterType" : "ModifyImageAttributeResult"
},
"wrapper" : false
},
"ModifyInstanceAttributeRequest" : {
  "c2jName" : "ModifyInstanceAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyInstanceAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyInstanceAttribute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "InstanceId",
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "ModifyInstanceAttributeRequest",
    "unmarshaller" : {
      "flattened" : false,
      "resultWrapper" : null
    },
    "variable" : {
      "variableDeclarationType" : "ModifyInstanceAttributeRequest",
      "variableName" : "modifyInstanceAttributeRequest",
      "variableType" : "ModifyInstanceAttributeRequest",
      "documentation" : null,
      "simpleType" : "ModifyInstanceAttributeRequest",
      "variableSetterType" : "ModifyInstanceAttributeRequest"
    },
    "wrapper" : false
  } ]
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.
*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayLoad" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "instanceId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
}
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "Attribute",
"c2jShape" : "InstanceAttributeName",
"deprecated" : false,
"documentation" : "<p>The name of the attribute.</p>",
"enumType" : "InstanceAttributeName",
"fluentSetterDocumentation" : "/**\n@\nm@param attribute The name of the attribute.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**\n@\nm@return The name of the attribute.\n@see InstanceAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attribute",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n@\nm@param attribute The name of the attribute.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "/**<p>A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.</p>
@param value A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.*/",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.</p>
@param value A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "<p>A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "InstanceBlockDeviceMappingSpecificationList",
"deprecated" : false,
"documentation" : "<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIIBM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

"enumName" : null,
"fluentSetterDocumentation" : "/**<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIIBM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<br />

@<br />

Parameters:

- blockDeviceMappings: Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIIBM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<br />

@<br />

Returns: A reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIIBM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<br />

@<br />

Returns: A reference to this object so that method calls can be chained together.</p>*/",
Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```json
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "blockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceBlockDeviceMappingSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceBlockDeviceMappingSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "marshallLocationName" : "BlockDeviceMapping",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "blockDeviceMapping",
      "uri" : false
    }
  }
}
```
"templateType" : "java.util.List<InstanceBlockDeviceMappingSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/** <p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param blockDeviceMappings Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */"
}
Instance</a> in the Amazon Elastic Compute Cloud User Guide.</i>

@return Returns a reference to this object so that method calls can be chained together.*"/

    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
      "variableName" : "blockDeviceMappings",
      "variableType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
      "documentation" : "<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p>

To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the Amazon Elastic Compute Cloud User Guide.</i>

    "simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
    "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>",

    "c2jName" : "SourceDestCheck",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>"/

    "fluentSetterDocumentation" : "**\nspecifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\n\n@return A reference to this object so that method calls can be chained together.*/",

    "fluentSetterMethodName" : "withSourceDestCheck",
    "getterDocumentation" : "**\ngets whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\n\n@return The value of <code>SourceDestCheck</code>.
",

    "getterMethodName" : "getSourceDestCheck",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : "Value",
      "additionalUnmarshallingPath" : "value",

Open Source Used in 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 7861
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "SourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**
<p>Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>
@param sourceDestCheck Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>
@param sourceDestCheck Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
",  
  "simpleType" : "Boolean"
"variableSetterType" : "Boolean",
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "DisableApiTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>
@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDisableApiTermination",
"getterDocumentation" : "/**<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>
@return If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.*/",
"getterMethodName" : "getDisableApiTermination",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
.marshallLocationName" : "DisableApiTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "disableApiTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"setterDocumentation" : "/**<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot
Instances.<p>@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.*/*

"setterMethodName" : "setDisableApiTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.<p>@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.<p>@return Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
  "variableType" : "Boolean",
  "documentation" : "If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.<p>@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.<p>@return Returns a reference to this object so that method calls can be chained together.*/*

"c2jName" : "InstanceType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.<p/>

"enumType" : null,
"fluentSetterDocumentation" : "Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.<p/>

"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.<p/>

"getterMethodName" : "getInstanceType",
"getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.<p/>

"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.<p/>

"simple" : true,
"simpleType" : "String",
"variableSetterType" : "String"}
"getterMethod": "getInstanceType",
"setterMethod": "setInstanceType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": "Value",
  "additionalUnmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "instanceType",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceType",
"setterDocumentation": "/**<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p>
@param instanceType Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>. */",
"setterMethodName": "setInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p>
@param instanceType Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.*\*/",
"varargSetterMethodName": "setInstanceType"}
Instance Types If the instance type is not valid, the error returned is InvalidInstanceAttributeValue.

```java
@variable

```

\*\*\*Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue.

```java
@variableSetter

```

\*\*\*Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB.

```java
@getter
```

\*\*\*Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB.

```java
@getter
```

\*\*\*Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB.

```java
@getter

```

\*\*\*Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB.

```java
@getter
```
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Kernel",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernel",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Kernel",
"setterDocumentation" : "/** Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
@param kernel Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKernel",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernel",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
@param kernel Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernel",
  "variableType" : "String",
  "documentation" : "Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. 
@return Returns a reference to this object so that method calls can be chained together.*/
},
"xmlNameSpaceUri" : null
Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).

```
@<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).

@<p>@return Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).

@<p>@return Returns a reference to this object so that method calls can be chained together.
```

```java
public Ramdisk withRamdisk(String ramdisk)
```

```java
public String getRamdisk()
```

```java
Ramdisk:
{
returnType" : "String",
documentation" : null
},
http
{
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ramdisk",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdisk",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ramdisk",
"documentation" : "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html),"
"setterDocumentation": "/** <p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. </p> <param name="ramdisk">Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</param> */",

"setterMethodName": "setRamdisk",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ramdisk",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"varargSetterDocumentation": "/** <p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. </p> <param name="ramdisk">Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. </param> <return>Returns a reference to this object so that method calls can be chained together. */",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "ramdisk",
  "variableType": "String",
  "documentation": "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.",
  "simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
},

"c2jName": "UserData",

"c2jShape": "String",

"deprecated": false,

"documentation": "<p>Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. Otherwise, you must provide Base64-encoded text. <p> <param name="userData" changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. </param> <return>Returns a reference to this object so that method calls can be chained together. */",

"enumType": null,

"fluentSetterDocumentation": "/** <p>Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. </p> <param name="userData" changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. </param> <return>Returns a reference to this object so that method calls can be chained together. */",

"setterMethodName": "setUserData",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "userData",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"varargSetterDocumentation": "/** <p>Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. </p> <param name="userData" changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. </param> <return>Returns a reference to this object so that method calls can be chained together. */",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "userData",
  "variableType": "String",
  "documentation": "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. ",
  "simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
}
"getterMethodName" : "withUserData",
"getterDocumentation" : /*<p>Changes the instance's user data to the specified value. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.</p>*/

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserData",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "userData",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "UserData",

"setterDocumentation" : /*<p>Changes the instance's user data to the specified value. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.</p>*/

"setterMethodName" : "setUserData",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : /*<p>Changes the instance's user data to the specified value. If you are using
an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "<p>Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/

@returns A reference to this object so that method calls can be chained together.*";/**

"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/

@returns Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*";/**

"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getMethodModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceInitiatedShutdownBehavior",
}
**InstanceInitiatedShutdownBehavior** Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). *

```java
@returns Returns a reference to this object so that method calls can be chained together.
```

**varargSetterDocumentation**

```java
Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
```

**variable**

```java
Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
```

**xmlNameSpaceUri**

null

---

**Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 7872**
"fluentSetterDocumentation": "/**\n\n@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGroups",
"getterDocumentation": "/**\n@returns [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.\n\n*/",
"getterMethodName": "getGroups",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "GroupId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "GroupId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@returns \n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupId",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Member",

"setterDocumentation" : "/**
 * @param member */",

"setterMethodName" : "setMember",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**\n * @param member
 * @return Returns a reference to this object so that
 * method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}
"memberLocationName" : "groupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>
**COMMENT**
</p>*/

"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>
**COMMENT**

**NOTE:**
</p>*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>
**COMMENT**
</p>*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>
**COMMENT**
</p>*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>
**COMMENT**
</p>*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>
**COMMENT**
</p>*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "EbsOptimized",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides
  dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
  performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
  EBS Optimized instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Specifies whether the instance is optimized for EBS I/O. This
  optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
  performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
  EBS Optimized instance.</p>
  @param ebsOptimized Specifies whether the instance is
  optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized
  configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
  EBS Optimized instance.</p>
  @return Returns a reference to this
  object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEbsOptimized",
  "getterDocumentation" : "/**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides
  dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
  performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
  EBS Optimized instance.</p>
  @return Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized
  configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
  EBS Optimized instance.*/",
  "getterMethodName" : "getEbsOptimized",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EbsOptimized",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ebsOptimized",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>
@param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
@return Returns a reference to this object so that method calls can be chained together.</p>**

**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>

**Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p>

**There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p>

**This option is supported only for HVM instances. Specifying
this option with a PV instance can make it unreachable.

"enumType": null,

"fluentSetterDocumentation": "/**\nSet to <code>simple</code> to enable enhanced networking with the
Intel 82599 Virtual Function interface for the instance.\nThere is no way to disable enhanced networking
with the Intel 82599 Virtual Function interface at this time.\nThis option is supported only for HVM
instances. Specifying this option with a PV instance can make it unreachable.\n\n@return Returns a reference to this object so that method calls can be chained together.\*/",

"fluentSetterMethodName": "withSriovNetSupport",

"getterDocumentation": "/**\nSet to <code>simple</code> to enable enhanced networking with the Intel
82599 Virtual Function interface for the instance.\nThere is no way to disable enhanced networking with the
Intel 82599 Virtual Function interface at this time.\nThis option is supported only for HVM
instances. Specifying this option with a PV instance can make it unreachable.\n\n@return Set to <code>simple</code> to enable enhanced networking with the Intel
82599 Virtual Function interface for the instance.\nThere is no way to disable enhanced networking with the
Intel 82599 Virtual Function interface at this time.\nThis option is supported only for HVM
instances. Specifying this option with a PV instance can make it unreachable.\n*\n",

"getterMethodName": "getSriovNetSupport",

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": "Value",
  "additionalUnmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SriovNetSupport",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "sriovNetSupport",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "SriovNetSupport",

"setterDocumentation": "/**\nSet to <code>simple</code> to enable enhanced networking with the Intel
82599 Virtual Function interface for the instance.\nThere is no way to disable enhanced networking with the
Intel 82599 Virtual Function interface at this time.\nThis option is supported only for HVM
instances. Specifying this option with a PV instance can make it unreachable.\n\n@return\n",

"setterMethodName": "setSriovNetSupport",

"setterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": "Value",
  "additionalUnmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SriovNetSupport",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "sriovNetSupport",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "SriovNetSupport",

"setterDocumentation": "/**\nSet to <code>simple</code> to enable enhanced networking with the Intel
82599 Virtual Function interface for the instance.\nThere is no way to disable enhanced networking with the
Intel 82599 Virtual Function interface at this time.\nThis option is supported only for HVM
instances. Specifying this option with a PV instance can make it unreachable.\n\n@return\n"
to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p>

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```
</code>
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p>

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p>

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p>

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

\n@returns Returns a reference to this object so that method calls can be chained together.

```

```
"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p><\n@return Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.*/",
"getterMethodName" : "getEnaSupport",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EnaSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "enaSupport",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p><\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.*/",
"setterMethodName" : "setEnaSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.*/",
This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```xml
<param enaSupport true
<code> to enable enhanced networking with ENA for the instance.
```

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```java
@Parameter
@get
@set
```

```java
public boolean getEnaSupport() { return enaSupport; }

public void setEnaSupport(boolean enaSupport) { this.enaSupport = enaSupport; }
```

```
return
```

```
```
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The name of the attribute.</p>
@param attribute The name of the attribute.
@see InstanceAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the attribute.</p>
@param attribute The name of the attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "The name of the attribute.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "InstanceBlockDeviceMappingSpecificationList",
"deprecated" : false,
"documentation" : "<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for"}
<code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;p&gt;\n@param blockDeviceMappings Modifies the &lt;code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for &lt;code>DeleteOnTermination</code>, the default is &lt;code>true</code> and the volume is deleted when the instance is terminated.&lt;/p&gt; &lt;p&gt;To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;br&gt;&lt;/p&gt;&lt;p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*\/&gt;

"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**&lt;p&gt;Modifies the &lt;code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for &lt;code>DeleteOnTermination</code>, the default is &lt;code>true</code> and the volume is deleted when the instance is terminated.&lt;/p&gt; &lt;p&gt;To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;p&gt;\n@return Modifies the &lt;code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for &lt;code>DeleteOnTermination</code>, the default is &lt;code>true</code> and the volume is deleted when the instance is terminated.&lt;/p&gt; &lt;p&gt;To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.*\/&gt;",

"getterMethodName" : "getBlockDeviceMappings",
"getModel" : {
"returnType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",}
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceBlockDeviceMappingSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceBlockDeviceMappingSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "InstanceBlockDeviceMappingSpecification",
      "variableName" : "member",
    }
  }
}
"variableType": "InstanceBlockDeviceMappingSpecification",
"documentation": "",
"simpleType": "InstanceBlockDeviceMappingSpecification",
"variableSetterType": "InstanceBlockDeviceMappingSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "InstanceBlockDeviceMappingSpecification",
"variableName": "member",
"variableType": "InstanceBlockDeviceMappingSpecification",
"documentation": "",
"simpleType": "InstanceBlockDeviceMappingSpecification",
"variableSetterType": "InstanceBlockDeviceMappingSpecification"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InstanceBlockDeviceMappingSpecification",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceBlockDeviceMappingSpecification",
"templateImplType":
"com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
"templateType": "java.util.List<InstanceBlockDeviceMappingSpecification>"
},
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/**\p Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.\p To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see \a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\p\n@param blockDeviceMappings Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.\p To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see \a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an
Instance</i> in the <i>Amazon Elastic Compute Cloud User Guide</i>.*/

setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" :
  "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>
  }
},
"simple" : false,
"varargSetterDocumentation" : "/**@*<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p><p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<i>}</i>

@param blockDeviceMappings Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p><p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" :
  "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>
  
xmlNameSpaceUri" : null
"DisableApiTermination": {
  "c2jName": "DisableApiTermination",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n   * If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
   \n   @param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
   \n   @return If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
   */",
  "fluentSetterMethodName": "withDisableApiTermination",
  "getterDocumentation": "/**\n   * If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
   \n   @return If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
   */",
  "getterMethodName": "getDisableApiTermination",
  "getterModel": {
    "returnType": "Boolean",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": "Value",
    "additionalUnmarshallingPath": "value",
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "DisableApiTermination",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "disableApiTermination",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "DisableApiTermination",
  "setterDocumentation": "/**\n   * If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
   \n   @param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot
   */",
  "setterMethodName": "setDisableApiTermination",
  "setterModel": null
}

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Instances.*$/",
  "setterMethodName" : "setDisableApiTermination",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "disableApiTermination",
    "variableType" : "Boolean",
    "documentation" : "/**
     * If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
     * @param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "simpleSetterDocumentation" : "/**
     * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "simple" : true,
    "varargSetterDocumentation" : "/**
     * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    },
    "xmlNameSpaceUri" : null
  },
  "EbsOptimized" : {
    "c2jName" : "EbsOptimized",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "getterDocumentation" : "/**
     * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "getterMethodName" : "withEbsOptimized",
    "getterSetterDocumentation" : "/**
     * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "getterSetterDocumentation" : "/**
     * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "simpleSetterDocumentation" : "/**
     * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/
    "simpleSetterMethodName" : "withEbsOptimized",
    "xmlNameSpaceUri" : null
  }
}
EBS Optimized instance.*\n\n@return Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.*\n","getterMethodName" : "getEbsOptimized",
"getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : "Value",
 "additionalUnmarshallingPath" : "value",
 "flattened" : false,
 "greedy" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "EbsOptimized",
 "queryString" : false,
 "unmarshallLocationName" : "ebsOptimized",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**\n@param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.*/",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "ebsOptimized",
 "variableType" : "Boolean",
 "documentation" : "",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
 },
"simple" : true,
"varargSetterDocumentation" : "/**\nSpecifies whether the instance is optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

@param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 */

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"EnaSupport" : {
  "c2jName" : "EnaSupport",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>
  "getterDocumentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>
  "getterMethodName" : "getEnaSupport",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "EnaSupport",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "enaSupport",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EnaSupport",
"setterDocumentation": "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEnaSupport",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"}
"Groups" : {
  "c2jName" : "Groups",
  "c2jShape" : "GroupIdStringList",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
@return [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "GroupId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List"}
"listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "GroupId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "groupId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n* @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that
method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : "groupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*/

@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*/

    "setterMethodName" : "setGroups",
    "setterModel" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "groups",
        "variableType" : "java.util.List<String>",
        "documentation" : "",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>

@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*/

    "setterMethodName" : "setGroups",
    "setterModel" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "groups",
        "variableType" : "java.util.List<String>",
        "documentation" : "",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*/

@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*/"}
method calls can be chained together.*"/
,
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groups",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>",
    "complexType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
},
"InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>
    @return Returns a reference to this object so that method calls can be chained together.*"/
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "<p>The ID of the instance.</p>
    @return The ID of the instance.*"/
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "InstanceId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "instanceId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
}
**InstanceInitiatedShutdownBehavior**

Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

```java
@Param
instanceInitiatedShutdownBehavior
```
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue.
  
  "enumType" : null,
  "fluentSetterDocumentation" : "Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue.
  
  @param instanceType Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue.
  
  @return Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue.
  
  "getterMethodName" : "getInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name": "InstanceType",
"setterDocumentation": "/**<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p><p>@param instanceType Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>. */",
"setterMethodName": "setInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p><p>@param instanceType Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.<p>@return Returns a reference to this object so that method calls can be chained together.</p> */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Kernel": {
  "c2jName": "Kernel",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

@return Returns a reference to this object so that method calls can be chained together.*/

...
Changes the instance’s kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. 

```
@param kernel Changes the instance’s kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. 

@return Returns a reference to this object so that method calls can be chained together.*
```

Changes the instance’s RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. 

```
@param ramdisk Changes the instance’s RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. 

@return Returns a reference to this object so that method calls can be chained together.*
```
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ramdisk",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ramdisk",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ramdisk",
"setterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>
@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdisk",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdisk",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>
@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "ramdisk",
"variableType" : "String",
"documentation" : "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see \a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html'>PV-GRUB</a>. ",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SourceDestCheck" : {
"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
"param sourceDestCheck Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
\@return Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/",
"getMethodNames" : "getSourceDestCheck",
"getModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**\n<p>Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>
@param sourceDestCheck Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>
@param sourceDestCheck Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.<br/>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.<p>\</p>\n"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"SriovNetSupport" : {
"c2jName" : "SriovNetSupport",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : ":<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>

@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withSriovNetSupport",

"getterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>

@return Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p> */",

"getterMethodName" : "getSriovNetSupport",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SriovNetSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sriovNetSupport",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",

"setterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance. There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time. This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable. */",

"setterMethodName" : "setSriovNetSupport",

"setterModel" : {
  "returnType" : "void",
  "documentation" : null
},

"test" : false,
82599 Virtual Function interface for the instance.

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

`@param sriovNetSupport Set to `simple` to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.`

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "sriovNetSupport",
"variableType" : "String",

"documentation" : "",

"simpleType" : "String",

"variableSetterType" : "String"

},

"simple" : true,

"varargSetterDocumentation" : "/*Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.*/

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

```

"variable" : {

"variableDeclarationType" : "String",

"variableName" : "sriovNetSupport",

"variableType" : "String",

"documentation" : "Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance."

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```

```

"simpleType" : "String",

"variableSetterType" : "String"

},

"xmlNameSpaceUri" : null
}

"UserData" : {

"c2jName" : "UserData",

"c2jShape" : "String",

"deprecated" : false,

"documentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

Otherwise, you must provide Base64-encoded text."

"enumType" : null,

"fluentSetterDocumentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file."
Otherwise, you must provide Base64-encoded text. </p>

@<p param userData Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. </p>

@return Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

"setterMethodName" : "setUserData",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"getterDocumentation" : "*/\n
Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */\n
@return Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

"getterMethodName" : "getUserData",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserData",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userData",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "*/\n
Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

@return Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

"setterMethodName" : "setUserData",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/*\nChanges the instance's user data to the specified value. If you are using
an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.*/
\n@returns user data Changes the instance's user data to the
specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and
you can load the text from a file. Otherwise, you must provide Base64-encoded text.
\n@returns Returns a reference
to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK
or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
must provide Base64-encoded text."
},
"xmlNameSpaceUri" : null,
"Value" : {
"c2jName" : "Value",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A new value for the attribute. Use only with the <code>kernel</code>,
<code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute."
},
"enumType" : null,
"fluentSetterDocumentation" : "/*\nA new value for the attribute. Use only with the <code>kernel</code>,
<code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute.*/
\n@returns A new value for the attribute. Use only with the <code>kernel</code>,
<code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "A new value for the attribute. Use only with the <code>kernel</code>,
<code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute."
\n@returns Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getValue",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"parameterName" : "Value"}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "/**<p>A new value for the attribute. Use only with the \<code>kernel</code>,
<code>ramdisk</code>, \<code>userData</code>, \<code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute.</p>@param value A new value for the attribute.
Use only with the \<code>kernel</code>, \<code>ramdisk</code>, \<code>userData</code>,
<code>disableApiTermination</code>, or \<code>instanceInitiatedShutdownBehavior</code> attribute.</p>
@return
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : 
"simple" : true,
"varargSetterDocumentation" : "/**<p>A new value for the attribute. Use only with the \<code>kernel</code>,
<code>ramdisk</code>, \<code>userData</code>, \<code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute.</p>@param value A new value for the attribute.
Use only with the \<code>kernel</code>, \<code>ramdisk</code>, \<code>userData</code>,
<code>disableApiTermination</code>, or \<code>instanceInitiatedShutdownBehavior</code> attribute.
\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : 
"simple" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "InstanceId" ],
"shapeName" : "ModifyInstanceAttributeRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ModifyInstanceAttributeRequest",
"variableName" : "modifyInstanceAttributeRequest",
"variableType" : "ModifyInstanceAttributeRequest",
"documentation" : null,
"simpleType" : "ModifyInstanceAttributeRequest",
"variableSetterType" : "ModifyInstanceAttributeRequest"
},
"wrapper" : false
},
"ModifyInstanceAttributeResult" : {
"c2jName" : "ModifyInstanceAttributeResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ModifyInstanceAttributeResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "ModifyInstanceAttributeResult",
"variableName" : "modifyInstanceAttributeResult",
"variableType" : "ModifyInstanceAttributeResult",
"documentation" : null,
"simpleType" : "ModifyInstanceAttributeResult",
"variableSetterType" : "ModifyInstanceAttributeResult"
},
"wrapper" : false
},
"ModifyInstancePlacementRequest" : {
"c2jName" : "ModifyInstancePlacementRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyInstancePlacement.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ModifyInstancePlacement",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance that you are modifying.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /**<p>The ID of the instance that you are modifying.</p>
@param instanceId
The ID of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : /**<p>The ID of the instance that you are modifying.</p>
@return The ID of the instance that you are modifying.
*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"variableDeclarationType" : "ModifyInstancePlacementRequest",
"variableName" : "modifyInstancePlacementRequest",
"variableType" : "ModifyInstancePlacementRequest",
"documentation" : null,
"simpleType" : "ModifyInstancePlacementRequest",
"variableSetterType" : "ModifyInstancePlacementRequest"
},
"wrapper" : false
},
"ModifyInstancePlacementRequest" : {
"c2jName" : "ModifyInstancePlacementRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyInstancePlacement.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ModifyInstancePlacement",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance that you are modifying.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /**<p>The ID of the instance that you are modifying.</p>
@param instanceId
The ID of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : /**<p>The ID of the instance that you are modifying.</p>
@return The ID of the instance that you are modifying.
*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",}
"documentation": null,
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "instanceId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**\n@param instanceId The ID of the instance that you are modifying.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param instanceId The ID of the instance that you are modifying.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance that you are modifying.</p>
  
  \n  @param instanceId The ID of the instance that you are modifying.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri": null
}.}
"c2jName" : "Tenancy",
"c2jShape" : "HostTenancy",
"deprecated" : false,
"documentation" : "/**\nThe tenancy of the instance that you are modifying.*/",
"enumType" : "HostTenancy",
"fluentSetterDocumentation" : "/**\nThe tenancy of the instance that you are modifying.*/
@param
@see HostTenancy*/",
"fluentSetterMethodName" : "withTenancy",
"getterDocumentation" : "/**\nThe tenancy of the instance that you are modifying.*/
@return The tenancy of the instance that you are modifying.
@see HostTenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Tenancy",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "tenancy",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Tenancy",
"setterDocumentation" : "/**\nThe tenancy of the instance that you are modifying.*/
@see HostTenancy*/",
"setterMethodName" : "setTenancy",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "tenancy",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple": true,
"varargSetterDocumentation": "/**<p>The tenancy of the instance that you are modifying.</p>
@param tenancy The tenancy of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.
@see HostTenancy*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "tenancy",
  "variableType": "String",
  "documentation": "<p>The tenancy of the instance that you are modifying.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"c2jName": "Affinity",
"c2jShape": "Affinity",
"deprecated": false,
"documentation": "<p>The new affinity setting for the instance.</p>",
"enumType": "Affinity",
"fluentSetterDocumentation": "/**<p>The new affinity setting for the instance.</p>
@param affinity The new affinity setting for the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Affinity*/",
"fluentSetterMethodName": "withAffinity",
"getterDocumentation": "/**<p>The new affinity setting for the instance.</p>
@return The new affinity setting for the instance.
@see Affinity*/",
"getterMethodName": "getAffinity",
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Affinity",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "affinity",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "Affinity",
"setterDocumentation" : "/**<p>The new affinity setting for the instance.<br/>
@see Affinity*/",
"setterMethodName" : "setAffinity",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "affinity",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The new affinity setting for the instance.<br/>
@param affinity The new affinity setting for the instance.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see Affinity*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "affinity",
  "variableType" : "String",
  "documentation" : "<p>The new affinity setting for the instance.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "HostId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Dedicated Host that the instance will have affinity with.<br/>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity with.<br/>
  @see HostId<br/>
  @return Returns a reference to this object so that method calls can be chained together.<br/>
  */",
  "fluentSetterMethodName" : "withHostId",
  "getterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity with.<br/>
  @return The ID of the Dedicated Host that the instance will have affinity with.<br/>
  */",
  "getterMethodName" : "getHostId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "HostId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "hostId",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "HostId",
"setterDocumentation": "/**<p>The ID of the Dedicated Host that the instance will have affinity with.</p>
@param hostId The ID of the Dedicated Host that the instance will have affinity with.</javadoc>
"setterMethodName": "setHostId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "hostId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Dedicated Host that the instance will have affinity with.</p>
@param hostId The ID of the Dedicated Host that the instance will have affinity with.</javadoc>

@return Returns a reference to this object so that method calls can be chained together.
"setter": {
  "variableDeclarationType": "String",
  "variableName": "hostId",
  "variableType": "String",
  "documentation": "The ID of the Dedicated Host that the instance will have affinity with.
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
} ],
"membersAsMap": {
"Affinity": {
"c2jName": "Affinity",
"c2jShape": "Affinity",
"deprecated": false,
"documentation": "The new affinity setting for the instance.
  "return": "returns a reference to this object so that method calls can be chained together."
}
"enumType" : "Affinity",
"fluentSetterDocumentation" : "/**<p>The new affinity setting for the instance.</p>@param affinity The new affinity setting for the instance.</p>@return Returns a reference to this object so that method calls can be chained together.</p>@see Affinity*/",
"fluentSetterMethodName" : "withAffinity",
"getterDocumentation" : "/**<p>The new affinity setting for the instance.</p>@return The new affinity setting for the instance.</p>@see Affinity*/",
"getterMethodName" : "getAffinity",
"getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "Affinity",
"queryString" : null,
"statusCode" : null,
"unmarshallLocationName" : "affinity",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Affinity",
"setterDocumentation" : "/**<p>The new affinity setting for the instance.</p>@param affinity The new affinity setting for the instance.</p>@return Returns a reference to this object so that method calls can be chained together.</p>@see Affinity*/",
"setterMethodName" : "setAffinity",
"setterModel" : {

"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The new affinity setting for the instance.</p>@param affinity The new affinity setting for the instance.</p>@return Returns a reference to this object so that method calls can be chained together.</p>@see Affinity*/",}
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "affinity",
    "variableType" : "String",
    "documentation" : "<p>The new affinity setting for the instance.\n</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"HostId" : {
    "c2jName" : "HostId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Dedicated Host that the instance will have affinity with.\n</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity with.\n\n@param hostId The ID of the Dedicated Host that the instance will have affinity with.\n</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withHostId",
    "getterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity with.\n\n@returns The ID of the Dedicated Host that the instance will have affinity with.*/",
    "getterMethodName" : "getHostId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
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        "location" : null,
        "marshallLocationName" : "HostId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "hostId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "HostId"
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/** The ID of the instance that you are modifying. */ @param instanceId The ID of the instance that you are modifying. */
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** The ID of the instance that you are modifying. */ @param instanceId The ID of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together. */
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "The ID of the instance that you are modifying.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tenancy" : {
  "c2jName" : "Tenancy",
  "c2jShape" : "HostTenancy",
  "deprecated" : false,
  "documentation" : "The tenancy of the instance that you are modifying.",
  "enumType" : "HostTenancy",
  "fluentSetterDocumentation" : "/** The tenancy of the instance that you are modifying. */ @param tenancy The tenancy of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together. */
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "tenancy",
  "variableType" : "String",
  "documentation" : "The tenancy of the instance that you are modifying.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
method calls can be chained together.\n@see HostTenancy*/

    "fluentSetterMethodName" : "withTenancy",
    "getterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.<p>\n@return The tenancy of the instance that you are modifying.<p>@see HostTenancy*/",
    "getterMethodName" : "getTenancy",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Tenancy",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "tenancy",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Tenancy",
    "setterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.<p>\n@param tenancy The tenancy of the instance that you are modifying.<p>@see HostTenancy*/",
    "setterMethodName" : "setTenancy",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "tenancy",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.<p>\n@param tenancy The tenancy of the instance that you are modifying.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see HostTenancy*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "tenancy",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
"variableType" : "String",
"documentation" : "<p>The tenancy of the instance that you are modifying.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId" ],
"shapeName" : "ModifyInstancePlacementRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ModifyInstancePlacementRequest",
"variableName" : "modifyInstancePlacementRequest",
"variableType" : "ModifyInstancePlacementRequest",
"documentation" : null,
"simpleType" : "ModifyInstancePlacementRequest",
"variableSetterType" : "ModifyInstancePlacementRequest"
},
"wrapper" : false
],
"ModifyInstancePlacementResult" : {
"c2jName" : "ModifyInstancePlacementResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of ModifyInstancePlacement.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>\n@param returnValue Is <code>true</code> if the request succeeds, and an error
otherwise.

@return Returns a reference to this object so that method calls can be chained together.*/

/**
 * Is <code>true</code> if the request succeeds, and an error otherwise.
 * @param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
 * @return Returns a reference to this object so that method calls can be chained together.*/

/**
 * Is <code>true</code> if the request succeeds, and an error otherwise.
 * @param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
 * @return Returns a reference to this object so that method calls can be chained together.*/

/**
 * Is <code>true</code> if the request succeeds, and an error otherwise.
 * @param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
 * @return Returns a reference to this object so that method calls can be chained together.*/
"variableType" : "Boolean",
"documentation" : "<p>Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.&lt;/p&gt;",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
]
}
"membersAsMap" : {
"Return" : {
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "&lt;p&gt;Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.&lt;/p&gt;\n@param returnValue Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/*&lt;p&gt;Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.&lt;/p&gt;\n@return Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.*/",
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/*&lt;p&gt;Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.&lt;/p&gt;\n@param returnValue Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"}
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n   * Is <code>true</code> if the request succeeds, and an error otherwise.\n   * <p>@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.\n   * <p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "p Is <code>true</code> if the request succeeds, and an error otherwise.\n  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyInstancePlacementResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyInstancePlacementResult",
  "variableName" : "modifyInstancePlacementResult",
  "variableType" : "ModifyInstancePlacementResult",
  "documentation" : null,
  "simpleType" : "ModifyInstancePlacementResult",
  "variableSetterType" : "ModifyInstancePlacementResult"
},
"wrapper" : false
},
"ModifyNetworkInterfaceAttributeRequest" : {
  "c2jName" : "ModifyNetworkInterfaceAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyNetworkInterfaceAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "ModifyNetworkInterfaceAttribute",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
},
"members" : [
 { 
 "c2jName" : "NetworkInterfaceId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the network interface.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
 @param networkInterfaceId The ID of the network interface.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withNetworkInterfaceId",
 "getterDocumentation" : "/**<p>The ID of the network interface.</p>
 @return The ID of the network interface.
 */",
 "getterMethodName" : "getNetworkInterfaceId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "NetworkInterfaceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "networkInterfaceId",
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"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "<p>The ID of the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
},
"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A description for the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A description for the network interface.</p>
@param description A description for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/**<p>A description for the network interface.</p>
@return A description for the network interface.*/",
"getterMethodName": "getDescription",
"getterModel": {
  "returnType": "String",
  "documentation": null
}
"http": {
  "additionalMarshallingPath": "Value",
  "additionalUnmarshallingPath": "value",
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  "greedy": false,
  "header": false,
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  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Description",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "description",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**\n  * A description for the network interface.
  */\n  @param description A description for the network interface.*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n  * A description for the network interface.
  */\n  @param description A description for the network interface.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "<p>A description for the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "SourceDestCheck"
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the
<i>Amazon Virtual Private Cloud User Guide</i>.<p/>
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the
<i>Amazon Virtual Private Cloud User Guide</i>.\n@param sourceDestCheck Indicates whether
source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and
<code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to
perform NAT. For more information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.\n@return Returns a reference to this object so that method
calls can be chained together.*/",

"fluentSetterMethodName" : "withSourceDestCheck",

"getterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the
<i>Amazon Virtual Private Cloud User Guide</i>.\n@return Indicates whether source/destination
checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means
checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more
information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.*/",

"getterMethodName" : "getSourceDestCheck",

"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
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    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
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    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
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    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "isPayload" : false,
    "isStreaming" : false,
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.
</p>
@param sourceDestCheck Indicates whether
source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and
<code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to
perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.
</p>
@param sourceDestCheck Indicates whether
source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and
<code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to
perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.
@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.
</p>"
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"c2jName": "Groups",
"c2jShape": "SecurityGroupIdStringList",
"deprecated": false,
"documentation": "<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>
@param groups Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withGroups",
"getterDocumentation": "/**<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>
@return Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>*/",
"getterMethodName": "getGroups",
"getterModel": {
  "returnType": "java.util.List<String>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SecurityGroupId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SecurityGroupId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * @param member \n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n   * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use \{@link #setGroups(java.util.Collection)\} or \{@link #withGroups(java.util.Collection)\} if you want to override the existing values.</p>

@para groups Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.\n
@return Returns a reference to this object so that method calls can be chained together. */

```

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.\n
@return Returns a reference to this object so that method calls can be chained together. */",

"simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}

"xmlNameSpaceUri" : null
}

"c2jName" : "Attachment",
"c2jShape" : "NetworkInterfaceAttachmentChanges",
"deprecated" : false,
"documentation" : "Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n
@return Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment. */",

"enumType" : null,
"fluentSetterDocumentation" : "Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n
@return Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment. */",

"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n
@return Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment. */",

"getterMethodName" : "getAttachment",
"getterModel" : {
  "returnType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : null
}

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attachment",

  "name" : "NetworkInterfaceAttachmentChanges",
  "simpleType" : "List<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.\n
@return Returns a reference to this object so that method calls can be chained together. */

"simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}

"xmlNameSpaceUri" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**\nInformation about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment. */",
"setterMethodName" : "setAttachment",
"setterModel" : {
  "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
  "variableName" : "attachment",
  "variableType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : "",
  "simpleType" : "NetworkInterfaceAttachmentChanges",
  "variableSetterType" : "NetworkInterfaceAttachmentChanges"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nInformation about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
  "variableName" : "attachment",
  "variableType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : "<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>",
  "simpleType" : "NetworkInterfaceAttachmentChanges",
  "variableSetterType" : "NetworkInterfaceAttachmentChanges"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "Attachment" : {
    "c2jName" : "Attachment",
    "c2jShape" : "NetworkInterfaceAttachmentChanges",
    "deprecated" : false,
    "documentation" : "<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>",
    "enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>
@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*/
@return Returns a reference to this object so that method calls can be chained together."/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*/
@return Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*/",
"getterMethodName" : "getAttachment",
"getterModel" : {
    "returnType" : "NetworkInterfaceAttachmentChanges",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Attachment",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachment",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*/
@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*/",
"setterMethodName" : "setAttachment",
"setterModel" : {
    "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
    "variableName" : "attachment",
    "variableType" : "NetworkInterfaceAttachmentChanges",
    "documentation" : "",
    "simpleType" : "NetworkInterfaceAttachmentChanges",
    "variableSetterType" : "NetworkInterfaceAttachmentChanges"
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
  "variableName" : "attachment",
  "variableType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : "<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>
  "simpleType" : "NetworkInterfaceAttachmentChanges",
  "variableSetterType" : "NetworkInterfaceAttachmentChanges"
},
"xmlNameSpaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description for the network interface.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A description for the network interface.</p>
  @param description A description for the network interface.</param>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**<p>A description for the network interface.</p>
  @return A description for the network interface.</param>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the network interface.</p>
@param description A description for the network interface.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the network interface.</p>
@param description A description for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "A description for the network interface.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Groups" : {
  "c2jName" : "Groups",
  "c2jShape" : "SecurityGroupIdStringList",
  "deprecated" : false,
  "documentation" : "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.",
  "enumType" : null,
  "fluentSetterDocumentation" : "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "Changes the security groups for the network interface. The new set of groups"}
you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.

```java
@return Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.
```

```java
getterMethodName" : "getGroups",
getterModel" : {
"returnType" : "java.util.List<String>",
documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
```

```
Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.

Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.

Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.

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The ID of the network interface.

@return Returns a reference to this object so that method calls can be chained together.

/**
   * Indicates whether source/destination checking is enabled. A value of true
   * means checking is enabled, and false means checking is disabled. This value
   * must be false for a NAT instance to perform NAT. For more information, see
   * in the Amazon Virtual Private Cloud User Guide.
   *
   * @param sourceDestCheck Indicates whether source/destination checking is enabled. A value of true
   * means checking is enabled, and false means checking is disabled. This value must be false
   * for a NAT instance to perform NAT. For more information, see
   * in the Amazon Virtual Private Cloud User Guide.
   * @return Returns a reference to this object so that method calls can be chained together.
   */

public SourceDestCheck withSourceDestCheck(boolean sourceDestCheck) {
    getSourceDestCheck().set(sourceDestCheck);
    return this;
}

public SourceDestCheck getSourceDestCheck() {
    return sourceDestCheck;
}

GetSourceDestCheck Method Name

/**
   * Indicates whether source/destination checking is enabled. A value of true
   * means checking is enabled, and false means checking is disabled. This value
   * must be false for a NAT instance to perform NAT. For more information, see
   * in the Amazon Virtual Private Cloud User Guide.
   */

public boolean getSourceDestCheck() {
    return sourceDestCheck;
}
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```
"http": {
  "additionalMarshallingPath": "Value",
  "additionalUnmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SourceDestCheck",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "sourceDestCheck",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceDestCheck",
"setterDocumentation": "/**\n* Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.\n*/\n\n@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.*/",
"setterMethodName": "setSourceDestCheck",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "sourceDestCheck",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\n* Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
*/",
```

<code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide. Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.</p>

```
```
"complexType" : "Boolean",
"variableSetterType" : "Boolean"
}

```
"xmlNameSpaceUri" : null
```
```
,"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "ModifyNetworkInterfaceAttributeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ModifyNetworkInterfaceAttributeRequest",
  "variableName" : "modifyNetworkInterfaceAttributeRequest",
  "variableType" : "ModifyNetworkInterfaceAttributeRequest",
  "documentation" : null,
  "complexType" : "ModifyNetworkInterfaceAttributeRequest",
  "variableSetterType" : "ModifyNetworkInterfaceAttributeRequest"
},
"wrapper" : false
},
"ModifyNetworkInterfaceAttributeResult" : {
  "c2jName" : "ModifyNetworkInterfaceAttributeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "name" : "ModifyNetworkInterfaceAttributeResult",
  "request_pdu_name" : "ModifyNetworkInterfaceAttributeResult",
  "response_pdu_name" : "ModifyNetworkInterfaceAttributeResult",
  "shapeName" : "ModifyNetworkInterfaceAttributeResult",
  "required" : [ "NetworkInterfaceId", "ModifyNetworkInterfaceAttributeRequest" ],
  "unmarshaller" : null,
  "variable" : {
    "variableDeclarationType" : "ModifyNetworkInterfaceAttributeRequest",
    "variableName" : "modifyNetworkInterfaceAttributeRequest",
    "variableType" : "ModifyNetworkInterfaceAttributeRequest",
    "documentation" : null,
    "complexType" : "ModifyNetworkInterfaceAttributeRequest",
    "variableSetterType" : "ModifyNetworkInterfaceAttributeRequest"
  },
  "wrapper" : false
}
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ModifyNetworkInterfaceAttributeResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ModifyNetworkInterfaceAttributeResult",
  "variableName": "modifyNetworkInterfaceAttributeResult",
  "variableType": "ModifyNetworkInterfaceAttributeResult",
  "documentation": null,
  "simpleType": "ModifyNetworkInterfaceAttributeResult",
  "variableSetterType": "ModifyNetworkInterfaceAttributeResult"
},
"wrapper": false
},
"ModifyReservedInstancesRequest": {
  "c2jName": "ModifyReservedInstancesRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ModifyReservedInstances.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "ModifyReservedInstances",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  }
}
"members" : [ {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
    "enumType" : null,
    "fluentSetterDocumentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n    \n    {@param clientToken A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n    \n    @return A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
    "getterMethodName" : "getClientToken",
    "getterModel" : { 
        "returnType" : "String",
        "documentation" : null
    },
    "http" : { 
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ClientToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "clientToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ReservedInstancesIds",
"c2jShape" : "ReservedInstancesIdStringList",
"deprecated" : false,
"documentation" : ":<p>The IDs of the Reserved Instances to modify. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify. </p>
@param reservedInstancesIds The IDs of the Reserved Instances to modify.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withReservedInstancesIds",}
"getterDocumentation" : "/**\n<p>The IDs of the Reserved Instances to modify.</p>\n@return The IDs of the Reserved Instances to modify.*\n*/",
"getterMethodName" : "getReservedInstancesIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedInstancesId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return *\n*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstancesId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",

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"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "ReservedInstancesIds",
"setterDocumentation": ""/**\<p>The IDs of the Reserved Instances to modify.</p>\n@param reservedInstancesIds The IDs of the Reserved Instances to modify.*/",
"setterMethodName": "setReservedInstancesIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "reservedInstancesIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": ""/**\<p>The IDs of the Reserved Instances to modify.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesIds(java.util.Collection)} or {@link #withReservedInstancesIds(java.util.Collection)} if you want to override the existing values.\n@param reservedInstancesIds The IDs of the Reserved Instances to modify.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "reservedInstancesIds",
"variableType": "java.util.List<String>",
"documentation": "<p>The IDs of the Reserved Instances to modify.</p>
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"c2jName": "TargetConfigurations",
"c2jShape": "ReservedInstancesConfigurationList",
"deprecated": false,
"documentation": ""/**<p>The configuration settings for the Reserved Instances to modify.</p>\n@return The configuration settings for the Reserved Instances to modify.</p>\n@param targetConfigurations The configuration settings for the Reserved Instances to modify.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withTargetConfigurations",
"getterDocumentation": ""/**<p>The configuration settings for the Reserved Instances to modify.</p>\n@return The configuration settings for the Reserved Instances to modify.\n@param targetConfigurations The configuration settings for the Reserved Instances to modify.\n@return The configuration settings for the Reserved Instances to modify.*/",
"getterMethodName": "getTargetConfigurations",
"getterModel": {
"returnType": "java.util.List<ReservedInstancesConfiguration>",
"documentation": null
},
{"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ReservedInstancesConfigurationSetItemType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ReservedInstancesConfigurationSetItemType",
  "uri": false
},
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "ReservedInstancesConfiguration",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/**
  @param member \n  @return Returns a reference to this object so that
  method calls can be chained together. */",
      "fluentSetterMethodName": "withMember",
      "getterDocumentation": "/**\n  @return */",
      "getterMethodName": "getMember",
      "getterModel": {
        "returnType": "ReservedInstancesConfiguration",
        "documentation": null
      }
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
    }
  }
}
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedInstancesConfiguration",
  "variableName": "member",
  "variableType": "ReservedInstancesConfiguration",
  "documentation": "",
  "simpleType": "ReservedInstancesConfiguration",
  "variableSetterType": "ReservedInstancesConfiguration"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ReservedInstancesConfiguration",
  "variableName": "member",
  "variableType": "ReservedInstancesConfiguration",
  "documentation": "",
  "simpleType": "ReservedInstancesConfiguration",
  "variableSetterType": "ReservedInstancesConfiguration"
},
"xmlnsNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "ReservedInstancesConfiguration",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstancesConfiguration",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
"templateType": "java.util.List<ReservedInstancesConfiguration>"
},
"map": false,
"mapModel": null,
"name": "TargetConfigurations",
"setterDocumentation": "/*<p>The configuration settings for the Reserved Instances to modify.</p>*/
"param targetConfigurations The configuration settings for the Reserved Instances to modify.*/"
"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<ReservedInstancesConfiguration>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesConfiguration>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to modify.<p>
Note: This method appends the values to the existing list (if any). Use [*link #setTargetConfigurations(java.util.Collection)] or [*link #withTargetConfigurations(java.util.Collection)] if you want to override the existing values.<p>
@param targetConfigurations The configuration settings for the Reserved Instances to modify.<p>
@return Returns a reference to this object so that method calls can be chained together."*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<ReservedInstancesConfiguration>",
  "documentation" : "The configuration settings for the Reserved Instances to modify.<p>
Note: This method appends the values to the existing list (if any). Use [*link #setTargetConfigurations(java.util.Collection)] or [*link #withTargetConfigurations(java.util.Collection)] if you want to override the existing values.<p>
@param targetConfigurations The configuration settings for the Reserved Instances to modify.<p>
@return Returns a reference to this object so that method calls can be chained together."*/",

"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see [*a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"] Ensuring Idempotency (A).<p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see [*a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"] Ensuring Idempotency (A).<p>

  "getterDocumentation" : "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see [*a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"] Ensuring Idempotency (A).<p>

  "getterMethodName" : "withClientToken",
  "setterMethodName" : "setClientToken",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
    "variableName" : "targetConfigurations",
    "variableType" : "java.util.List<ReservedInstancesConfiguration>",
    "documentation" : "",
    "simpleType" : "List<ReservedInstancesConfiguration>",
    "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>",
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see [*a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"] Ensuring Idempotency (A).<p>

  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
    "variableName" : "targetConfigurations",
    "variableType" : "java.util.List<ReservedInstancesConfiguration>",
    "documentation" : "The configuration settings for the Reserved Instances to modify.<p>
Note: This method appends the values to the existing list (if any). Use [*link #setTargetConfigurations(java.util.Collection)] or [*link #withTargetConfigurations(java.util.Collection)] if you want to override the existing values.<p>
@param targetConfigurations The configuration settings for the Reserved Instances to modify.<p>
@return Returns a reference to this object so that method calls can be chained together."*/",

  "xmlNameSpaceUri" : null
]
}
Ensuring Idempotency</a>.

The unique, case-sensitive token you provide to ensure idempotency of your modification request.

For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

### ClientToken

**getterModel**:

```javascript
getterModel: {
  returnType: "String",
  documentation: null
},
```

**http**:

```javascript
http: {
  additionalMarshallingPath: null,
  additionalUnmarshallingPath: null,
  flattened: false,
  greedy: false,
  header: false,
  isPayload: false,
  isStreaming: false,
  location: null,
  marshallLocationName: "ClientToken",
  queryString: false,
  statusCode: false,
  unmarshallLocationName: "clientToken",
  uri: false
},
```

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "ClientToken",

**setterDocumentation**: "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\</p>\n@param clientToken A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",

```javascript
setterMethod: "setClientToken",
setterModel: {
  variableDeclarationType: "String",
  variableName: "clientToken",
  variableType: "String",
  documentation: "",
  simpleType: "String",
  variableSetterType: "String"
},
```

**simple**: true,

**varargSetterDocumentation**: "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/

```javascript
varargSetterMethod: "setClientToken",
varargSetterModel: {
  variableDeclarationType: "String",
  variableName: "clientToken",
  variableType: "String",
  documentation: "",
  simpleType: "String",
  variableSetterType: "String"
},
```

**simple**: true,
Idempotency</a>.</p>
</param>

@<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
  
  @return Returns a reference to this object so that method calls can be chained together.*/

"simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
},

"ReservedInstancesIds": {
  "c2jName": "ReservedInstancesIds",
  "c2jShape": "ReservedInstancesIdStringList",
  "deprecated": false,
  "documentation": "The IDs of the Reserved Instances to modify.
  @return The IDs of the Reserved Instances to modify.
  
  @param reservedInstancesIds The IDs of the Reserved Instances to modify.
  @return Returns a reference to this object so that method calls can be chained together.*/

  "fluentSetterDocumentation": "The IDs of the Reserved Instances to modify.
  @return The IDs of the Reserved Instances to modify.
  
  @param reservedInstancesIds The IDs of the Reserved Instances to modify.
  @return Returns a reference to this object so that method calls can be chained together.*/

  "getterDocumentation": "The IDs of the Reserved Instances to modify.
  @return The IDs of the Reserved Instances to modify.
  
  @param reservedInstancesIds The IDs of the Reserved Instances to modify.
  @return Returns a reference to this object so that method calls can be chained together.*/

  "getterMethodName": "getReservedInstancesIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },

  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayLoad": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ReservedInstancesId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ReservedInstancesId",
    "uri": false
  },
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ReservedInstancesId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstancesId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
@param reservedInstancesIds The IDs of the Reserved Instances to modify.*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
<note>This method appends the values to the existing list (if any). Use {@link #setReservedInstancesIds(java.util.Collection)} or {@link #withReservedInstancesIds(java.util.Collection)} if you want to override the existing values.</note>
@param reservedInstancesIds The IDs of the Reserved Instances to modify.*/"
modify

return Returns a reference to this object so that method calls can be chained together.*

@variable : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "reservedInstancesIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of the Reserved Instances to modify.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
}

"xmlNameSpaceUri" : null

"TargetConfigurations" : {
    "c2jName" : "TargetConfigurations",
    "c2jShape" : "ReservedInstancesConfigurationList",
    "deprecated" : false,
    "documentation" : "<p>The configuration settings for the Reserved Instances to modify.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to modify.</p>
@returns a reference to this object so that method calls can be chained together.*

@targetConfigurations The configuration settings for the Reserved Instances to modify.

return Returns a reference to this object so that method calls can be chained together.*

getTargetConfigurations",
    "getterDocumentation" : "@returns The configuration settings for the Reserved Instances to modify.

return The configuration settings for the Reserved Instances to modify.

getterMethod" : {
    "returnType" : "java.util.List<ReservedInstancesConfiguration>",
    "documentation" : null
}

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesConfigurationSetItemType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstancesConfigurationSetItemType",
    "uri" : false
}

"idempotencyToken" : false,

"list" : true,

"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List"}
"listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesConfiguration",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "ReservedInstancesConfiguration",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
@param member *
@return Returns a reference to this object so that
"setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "ReservedInstancesConfiguration",
        "variableName" : "member",
        "variableType" : "ReservedInstancesConfiguration",
        "documentation" : "",
        "simpleType" : "ReservedInstancesConfiguration",
        "variableSetterType" : "ReservedInstancesConfiguration"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**
@param member *
@return Returns a reference to this object so that
"varargSetterMethodName" : "setMember"
}
method calls can be chained together.*/

}]
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
"templateType" : "java.util.List<ReservedInstancesConfiguration>"
},
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurations",
"setterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to modify.</p>
@param targetConfigurations The configuration settings for the Reserved Instances to modify.*/

"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<ReservedInstancesConfiguration>",
  "documentation" : ",
  "simpleType" : "List<ReservedInstancesConfiguration>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>"
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to modify.</p>
NOTE: This method appends the values to the existing list (if any). Use 
@link #setTargetConfigurations(java.util.Collection) or 
@link #withTargetConfigurations(java.util.Collection) if you want to override the existing values. 
@param targetConfigurations The configuration settings for the Reserved Instances to modify.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<ReservedInstancesConfiguration>",
  "documentation" : ",
  "simpleType" : "List<ReservedInstancesConfiguration>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>"
}
,"p>
The configuration settings for the Reserved Instances to modify.

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<ReservedInstancesConfiguration>",
  "documentation" : ",
  "simpleType" : "List<ReservedInstancesConfiguration>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>"
}
,"p>
The configuration settings for the Reserved Instances to modify.

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<ReservedInstancesConfiguration>",
  "documentation" : ",
  "simpleType" : "List<ReservedInstancesConfiguration>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>"
}
,"p>
The configuration settings for the Reserved Instances to modify.

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<ReservedInstancesConfiguration>",
  "documentation" : ",
  "simpleType" : "List<ReservedInstancesConfiguration>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>"
}
,"p>
The configuration settings for the Reserved Instances to modify.
"simpleType": "List<ReservedInstancesConfiguration>",
"variableSetterType": "java.util.Collection<ReservedInstancesConfiguration>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["ReservedInstancesIds", "TargetConfigurations" ],
"shapeName": "ModifyReservedInstancesRequest",
"unmarshaller": null,
"variable": {
"variableDeclarationType": "ModifyReservedInstancesRequest",
"variableName": "modifyReservedInstancesRequest",
"variableType": "ModifyReservedInstancesRequest",
"documentation": null,
"simpleType": "ModifyReservedInstancesRequest",
"variableSetterType": "ModifyReservedInstancesRequest"
},
"wrapper": false
},
"ModifyReservedInstancesResult": {
"c2jName": "ModifyReservedInstancesResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the output of ModifyReservedInstances.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "ReservedInstancesModificationId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID for the modification.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID for the modification.</p>
*\n@name reservedInstancesModificationId The ID for the modification.\n*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReservedInstancesModificationId",
"getterDocumentation" : "/**<p>The ID for the modification.</p>
@return The ID for the modification.*/",
"getterMethodName" : "getReservedInstancesModificationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesModificationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesModificationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationId",
"setterDocumentation" : "/**<p>The ID for the modification.</p>
@param reservedInstancesModificationId The ID for the modification.*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservedInstancesModificationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The ID for the modification.</p>
@param reservedInstancesModificationId The ID for the modification.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"ReservedInstancesModificationId" : {
"c2jName" : "ReservedInstancesModificationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID for the modification.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID for the modification.</p>@param reservedInstancesModificationId The ID for the modification.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesModificationId",
"getterDocumentation" : "/**<p>The ID for the modification.</p>@return The ID for the modification.*/",
"getterMethodName" : "getReservedInstancesModificationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesModificationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesModificationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationId",
"setterDocumentation" : "/**<p>The ID for the modification.</p>@param reservedInstancesModificationId The ID for the modification.@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservedInstancesModificationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesModificationId"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID for the modification.</p>
@param reservedInstancesModificationId The ID for the modification.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesModificationId",
"variableType" : "String",
"documentation" : "<p>The ID for the modification.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyReservedInstancesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ModifyReservedInstancesResult",
"variableName" : "modifyReservedInstancesResult",
"variableType" : "ModifyReservedInstancesResult",
"documentation" : null,
"simpleType" : "ModifyReservedInstancesResult",
"variableSetterType" : "ModifyReservedInstancesResult"
},
"wrapper" : false
},
"ModifySnapshotAttributeRequest" : {
"c2jName" : "ModifySnapshotAttributeRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifySnapshotAttribute.</p>",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,

"marshaller": {
  "action": "ModifySnapshotAttribute",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},

"members": [ {
  "c2jName": "SnapshotId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the snapshot.",
  "enumType": null,
  "fluentSetterDocumentation": "The ID of the snapshot.",
  "getterDocumentation": "The ID of the snapshot.",
  "getterMethodName": "getSnapshotId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "SnapshotId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "SnapshotId",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation
permissions may be modified at the customer level.</p> </note>
@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p>
@see SnapshotAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
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 "variableName" : "attribute",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation
permissions may be modified at the customer level.</p> </note>
@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotAttributeName*/",
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 "variableName" : "attribute",
 "variableType" : "String",
 "documentation" : "<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p>
"simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"c2jName" : "OperationType",
"c2jShape" : "OperationType",
"deprecated" : false,
"documentation" : "<p>The type of operation to perform to the attribute.</p>",
"enumType" : "OperationType",
"fluentSetterDocumentation" : "/**<p>The type of operation to perform to the attribute.<p>
@package
@type OperationType
@see OperationType*/",
"fluentSetterMethodName" : "withOperationType",
"getterDocumentation" : "/**<p>The type of operation to perform to the attribute.<p>
@see OperationType*/",
"getterMethodName" : "getOperationType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OperationType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OperationType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OperationType",
"setterDocumentation" : "/**<p>The type of operation to perform to the attribute.<p>
@package
@type OperationType
@see OperationType*/",
"setterMethodName" : "setOperationType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "operationType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The type of operation to perform to the attribute.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see OperationType*/",
"variable" : {
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    "variableName" : "operationType",
    "variableType" : "String",
    "documentation" : "<p>The type of operation to perform to the attribute.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "UserIds",
"c2jShape" : "UserIdStringList",
"deprecated" : false,
"documentation" : "<p>The account ID to modify for the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The account ID to modify for the snapshot.
 * @param userIds The account ID to modify for the snapshot.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see UserIds*/",
"fluentSetterMethodName" : "withUserIds",
"getterDocumentation" : "/**\n * The account ID to modify for the snapshot.
 * @return The account ID to modify for the snapshot.
 * @see UserIds*/",
"getterMethodName" : "getUserIds",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "unmarshallLocationName" : "UserId",
    "uri" : false
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"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
...
"interfaceType" : "java.util.List",
"listMemberModel" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UserId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "UserIds",
"setterDocumentation" : "/**<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.*/",
"setterMethodName" : "setUserIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "userIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The account ID to modify for the snapshot.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setUserIds(java.util.Collection)} or {@link #withUserIds(java.util.Collection)} if you want to override the existing values.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "userIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"}
"documentation" : "<p>The account ID to modify for the snapshot.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "GroupNames",
"c2jShape" : "GroupNameStringList",
"deprecated" : false,
"documentation" : "<p>The group to modify for the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
@param groupNames The group to modify for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupNames",
"getterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
@return The group to modify for the snapshot.*/",
"getterMethodName" : "getGroupNames",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/** return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/** @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** @param member @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "GroupName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"}
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
@param groupNames The group to modify for the snapshot.*\*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroupNames(java.util.Collection)} or {@link #withGroupNames(java.util.Collection)} if you want to override the existing values.</p>
@param groupNames The group to modify for the snapshot.</p>@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The group to modify for the snapshot.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CreateVolumePermission",
/*\*\*<p>A JSON representation of the snapshot attribute modification.</p>\n@param createVolumePermission A JSON representation of the snapshot attribute modification.\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "CreateVolumePermissionModifications",
"variableName" : "createVolumePermission",
"variableType" : "CreateVolumePermissionModifications",
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : "CreateVolumePermissionModifications",
"variableSetterType" : "CreateVolumePermissionModifications"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Attribute" : {
"c2jName" : "Attribute",
"c2jShape" : "SnapshotAttributeName",
"deprecated" : false,
"documentation" : "<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
}"enumType" : "SnapshotAttributeName",
"fluentSetterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
"@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
"@return Returns a reference to this object so that method calls can be chained together.</note> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
@see SnapshotAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
"@return The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
@see SnapshotAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"use uri template" : false,
"variable" : {
"variableDeclarationType" : "CreateVolumePermissionModifications",
"variableName" : "createVolumePermission",
"variableType" : "CreateVolumePermissionModifications",
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : "CreateVolumePermissionModifications",
"variableSetterType" : "CreateVolumePermissionModifications"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"Attribute" : {
"c2jName" : "Attribute",
"c2jShape" : "SnapshotAttributeName",
"deprecated" : false,
"documentation" : "<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
}"enumType" : "SnapshotAttributeName",
"fluentSetterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
"@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
"@return Returns a reference to this object so that method calls can be chained together.</note> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
@see SnapshotAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
"@return The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
@see SnapshotAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"use uri template" : false,
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> <p>@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> @see SnapshotAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
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    "variableName" : "attribute",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> <p>@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> @return Returns a reference to this object so that method calls can be chained together.
@see SnapshotAttributeName*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "attribute",
    "variableType" : "String",
    "documentation" : "<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CreateVolumePermission" : {
    "c2jName" : "CreateVolumePermission",
    "c2jShape" : "CreateVolumePermissionModifications",
    "deprecated" : false,
    "documentation" : "A JSON representation of the snapshot attribute modification.
 eight calls can be chained together.
@see SnapshotAttributeName*/",
    "fluentSetterMethod" : "withCreateVolumePermission",
    "getterDocumentation" : "A JSON representation of the snapshot attribute modification."
A JSON representation of the snapshot attribute modification. /*
        "getterMethodName" : "getCreateVolumePermission",
        "getterModel" : {
            "returnType" : "CreateVolumePermissionModifications",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "CreateVolumePermission",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "CreateVolumePermission",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "CreateVolumePermission",
        "setterDocumentation" : "<p>A JSON representation of the snapshot attribute modification.</p>
        <p>@param createVolumePermission A JSON representation of the snapshot attribute modification.</p>
        "setterMethodName" : "setCreateVolumePermission",
        "setterModel" : {
            "variableDeclarationType" : "CreateVolumePermissionModifications",
            "variableName" : "createVolumePermission",
            "variableType" : "CreateVolumePermissionModifications",
            "documentation" : "",
            "simpleType" : "CreateVolumePermissionModifications",
            "variableSetterType" : "CreateVolumePermissionModifications"
        },
        "simple" : false,
        "varargSetterDocumentation" : "A JSON representation of the snapshot attribute modification." /
        <p>@return Returns a reference to this object so that method calls can be chained together.</p>
        "variable" : {
            "variableDeclarationType" : "CreateVolumePermissionModifications",
            "variableName" : "createVolumePermission",
            "variableType" : "CreateVolumePermissionModifications",
            "documentation" : "A JSON representation of the snapshot attribute modification." /
            "simpleType" : "CreateVolumePermissionModifications",
            "variableSetterType" : "CreateVolumePermissionModifications"}
"variableSetterType" : "CreateVolumePermissionModifications"
},
"xmlNameSpaceUri" : null
},
"GroupNames" : [
  "c2jName" : "GroupNames",
  "c2jShape" : "GroupNameStringList",
  "deprecated" : false,
  "documentation" : "<p>The group to modify for the snapshot.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
@param groupNames The group to modify for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroupNames",
  "getterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
@return The group to modify for the snapshot.*/",
  "getterMethodName" : "getGroupNames",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserGroup",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UserGroup",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"}
method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@\ngetMember */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "GroupName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@\nsetMember */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n@\n\n@param member *\n\n@\n@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"marshallNonAutoConstructedEmptyLists" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"mapModel" : { "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"variable" : { "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "The group to modify for the snapshot.

**NOTE:** This method appends the values to the existing list (if any). Use 
{@link #setGroupNames(java.util.Collection)} or 
{@link #withGroupNames(java.util.Collection)} if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together.
",
"xmlNameSpaceUri" : null,
"OperationType" : { "c2jName" : "OperationType",
"map" : false,
"xmlNameSpaceUri" : null,
"memberLocationName" : "GroupName",
"memberType" : "String",
"marshallNonAutoConstructedEmptyLists" : false,
"marshallNonAutoConstructedEmptyLists" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
@param groupNames The group to modify for the snapshot.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : { "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The group to modify for the snapshot.</p>

**NOTE:** This method appends the values to the existing list (if any). Use 
{@link #setGroupNames(java.util.Collection)} or 
{@link #withGroupNames(java.util.Collection)} if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : { "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "The group to modify for the snapshot.

**NOTE:** This method appends the values to the existing list (if any). Use 
{@link #setGroupNames(java.util.Collection)} or 
{@link #withGroupNames(java.util.Collection)} if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together.
"},
"c2jShape" : "OperationType",
"deprecated" : false,
"documentation" : "<p>The type of operation to perform to the attribute.</p>",
"enumType" : "OperationType",
"fluentSetterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@see OperationType*/",
"fluentSetterMethodName" : "withOperationType",
"getterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@see OperationType*/",
"getterMethodName" : "getOperationType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OperationType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OperationType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OperationType",
"setterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@see OperationType*/",
"setterMethodName" : "setOperationType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "operationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The type of operation to perform to the attribute.</p>
@\param operationType The type of operation to perform to the attribute.
@\return Returns a reference to this object so that method calls can be chained together.
@see OperationType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "operationType",
    "variableType" : "String",
    "documentation" : "<p>The type of operation to perform to the attribute.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
    "c2jName" : "SnapshotId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>The ID of the snapshot.</p>
@\param snapshotId The ID of the snapshot.
@\return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSnapshotId",
    "getterDocumentation" : "/** <p>The ID of the snapshot.</p>
@\return The ID of the snapshot.*/",
    "getterMethodName" : "getSnapshotId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "SnapshotId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "SnapshotId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name": "SnapshotId",
"setterDocumentation": "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/",
"setterMethodName": "setSnapshotId",
"setterModel": {
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  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "<p>The ID of the snapshot.</p>
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UserIds": {
  "c2jName": "UserIds",
  "c2jShape": "UserIdStringList",
  "deprecated": false,
  "documentation": "<p>The account ID to modify for the snapshot.</p>
",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withUserIds",
  "getterDocumentation": "/**<p>The account ID to modify for the snapshot.</p>
@return The account ID to modify for the snapshot.*/",
  "getterMethodName": "getUserIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "UserIds",
"setterDocumentation" : "/**
<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.*/",
"setterMethodName" : "setUserIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>"
"variableSetterType" : "java.util.Collection<String>"},
"simple" : false,
"varargSetterDocumentation" : "The account ID to modify for the snapshot.
<p><b>NOTE:</b>This method appends the values to the existing list (if any). Use {@link setUserIds(java.util.Collection)} or {@link
#withUserIds(java.util.Collection)} if you want to override the existing values.
@param userIds The account ID to modify for the snapshot.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "userIds",
"variableType" : "java.util.List<String>",
"documentation" : "$p>The account ID to modify for the snapshot.$p",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SnapshotId" ],
"shapeName" : "ModifySnapshotAttributeRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ModifySnapshotAttributeRequest",
"variableName" : "modifySnapshotAttributeRequest",
"variableType" : "ModifySnapshotAttributeRequest",
"documentation" : null,
"simpleType" : "ModifySnapshotAttributeRequest",
"variableSetterType" : "ModifySnapshotAttributeRequest"
},
"wrapper" : false
},
"ModifySnapshotAttributeResult" : {
"c2jName" : "ModifySnapshotAttributeResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifySnapshotAttributeResult",
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
},
"variable" : {
 "variableDeclarationType" : "ModifySnapshotAttributeResult",
 "variableName" : "modifySnapshotAttributeResult",
 "variableType" : "ModifySnapshotAttributeResult",
 "documentation" : null,
 "simpleType" : "ModifySnapshotAttributeResult",
 "variableSetterType" : "ModifySnapshotAttributeResult"
},
"wrapper" : false,

"ModifySpotFleetRequestRequest" : {
 "c2jName" : "ModifySpotFleetRequestRequest",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for ModifySpotFleetRequest.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : {
 "action" : "ModifySpotFleetRequest",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
 "members" : [ { 

"c2jName" : "SpotFleetRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestId",
"getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@return The ID of the Spot fleet request.
*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@param spotFleetRequestId The ID of the Spot fleet request.
*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/** <p>The ID of the Spot fleet request.</p>
@returns {string} The ID of the Spot fleet request.
@return {string} Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "spotFleetRequestId",
  "variableType": "String",
  "documentation": "<p>The ID of the Spot fleet request.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"c2jName": "TargetCapacity",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The size of the fleet.</p>",
"enumType": null,
"fluentSetterDocumentation": "/** <p>The size of the fleet.</p>
@returns {integer} The size of the fleet.
@return {integer} Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withTargetCapacity",
"getterDocumentation": "/** <p>The size of the fleet.</p>
@returns {integer} The size of the fleet.
@return {integer} The size of the fleet.
"getterMethodName": "getTargetCapacity",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "TargetCapacity",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "targetCapacity",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name" : "TargetCapacity",
"setterDocumentation" : "/**\n * The size of the fleet.
 */
@\param targetCapacity The size of the fleet.
",
"setterMethodName" : "setTargetCapacity",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "targetCapacity",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The size of the fleet.
 */
@\param targetCapacity The size of the fleet.
\n@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "targetCapacity",
  "variableType" : "Integer",
  "documentation" : "The size of the fleet.
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ExcessCapacityTerminationPolicy",
"c2jShape" : "ExcessCapacityTerminationPolicy",
"deprecated" : false,
"documentation" : "Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
",
"enumType" : "ExcessCapacityTerminationPolicy",
"fluentSetterDocumentation" : "/**\n * Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
 */
@\param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
\n@return Returns a reference to this object so that method calls can be chained together.
\n@see ExcessCapacityTerminationPolicy
",
"fluentSetterMethodName" : "withExcessCapacityTerminationPolicy",
"getterDocumentation" : "/**\n * Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
 */
@\param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
\n@return Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
\n@see ExcessCapacityTerminationPolicy
",
"getterMethodName" : "getExcessCapacityTerminationPolicy",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ExcessCapacityTerminationPolicy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "excessCapacityTerminationPolicy",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExcessCapacityTerminationPolicy",
"setterDocumentation" : "/**\n* Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n* @param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n* @see ExcessCapacityTerminationPolicy*/",
"setterMethodName" : "setExcessCapacityTerminationPolicy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n* @param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n* return Returns a reference
to this object so that method calls can be chained together.\n* @see ExcessCapacityTerminationPolicy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "ExcessCapacityTerminationPolicy" : {
    "c2jName" : "ExcessCapacityTerminationPolicy",
    "c2jShape" : "ExcessCapacityTerminationPolicy",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
    "enumType" : "ExcessCapacityTerminationPolicy",
    "fluentSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
    @param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
    @return Returns a reference to this object so that method calls can be chained together.
    @see ExcessCapacityTerminationPolicy*/",
    "fluentSetterMethodName" : "withExcessCapacityTerminationPolicy",
    "getterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
    @return Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
    @see ExcessCapacityTerminationPolicy*/",
    "getterMethodName" : "getExcessCapacityTerminationPolicy",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ExcessCapacityTerminationPolicy",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "excessCapacityTerminationPolicy",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ExcessCapacityTerminationPolicy",
    "setterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
    @param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
    @return Returns a reference to this object so that method calls can be chained together.
    @see ExcessCapacityTerminationPolicy*/",
    "setterMethodName" : "setExcessCapacityTerminationPolicy",
    "setterModel" : {
      "returnType" : "ExcessCapacityTerminationPolicy",
      "documentation" : null
    },
    "structureKey" : null,
    "structureModel" : {
      "returnType" : "ExcessCapacityTerminationPolicy",
      "documentation" : null
    }
  }
}
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.

@see ExcessCapacityTerminationPolicy*/

"setterMethodName" : "setExcessCapacityTerminationPolicy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>\n@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ExcessCapacityTerminationPolicy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotFleetRequestId",
  "getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>\n@return The ID of the Spot fleet request.\n@see SpotFleetRequestId*/",
  "getterMethodName" : "getSpotFleetRequestId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/*<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : '<p>The ID of the Spot fleet request.</p>',
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetCapacity" : {
  "c2jName" : "TargetCapacity",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : '<p>The size of the fleet.</p>',
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"XmlNameSpaceUri" : null
}
"enumType": null,
"fluentSetterDocumentation": "/**\n*@param targetCapacity The size of the fleet.\n*@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName": "withTargetCapacity",
"getterDocumentation": "/**\n*@param targetCapacity The size of the fleet.\n*@return The size of the fleet.*\n*/",
"getterMethodName": "getTargetCapacity",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "targetCapacity",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "TargetCapacity",
"setterDocumentation": "/**\n*@param targetCapacity The size of the fleet.\n*@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"setterMethodName": "setTargetCapacity",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "targetCapacity",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"simple": true,
"varargSetterDocumentation": "/**\n*@param targetCapacity The size of the fleet.\n*@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
"variableDeclarationType": "Integer",
"variableName": "targetCapacity",
"variableType": "Integer"}
"documentation" : "<p>The size of the fleet.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
}
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SpotFleetRequestId" ],
"shapeName" : "ModifySpotFleetRequestRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "ModifySpotFleetRequestRequest",
 "variableName" : "modifySpotFleetRequestRequest",
 "variableType" : "ModifySpotFleetRequestRequest",
 "documentation" : null,
 "simpleType" : "ModifySpotFleetRequestRequest",
 "variableSetterType" : "ModifySpotFleetRequestRequest"
 },
"wrapper" : false
}.,
"ModifySpotFleetRequestResult" : {
 "c2jName" : "ModifySpotFleetRequestResponse",
 "customization" : {
 "artifactResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "Contains the output of ModifySpotFleetRequest.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ { 
 "c2jName" : "Return",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/**\n<p>Is <code>true</code> if the request succeeds, and an error
otherwise.</p>\n@return Is <code>true</code> if the request succeeds, and an error otherwise.*/",
"getterMethodName" : "getReturn",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Return",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "return",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**\n<p>Is <code>true</code> if the request succeeds, and an error
otherwise.</p>\n@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Is <code>true</code> if the request succeeds, and an error
otherwise.</p>\n@param returnValue Is <code>true</code> if the request succeeds, and an error
otherwise.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean"}
"documentation" : "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Return" : {
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>\n@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>\n@return Is <code>true</code> if the request succeeds, and an error otherwise.*/",
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>\n@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnValue",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/*\p>Is <code>true</code> if the request succeeds, and an error otherwise.\p>@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.\p>@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnValue",
    "variableType" : "Boolean",
    "documentation" : "Is <code>true</code> if the request succeeds, and an error otherwise."
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifySpotFleetRequestResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "ModifySpotFleetRequestResult",
    "variableName" : "modifySpotFleetRequestResult",
    "variableType" : "ModifySpotFleetRequestResult",
    "documentation" : null,
    "simpleType" : "ModifySpotFleetRequestResult",
    "variableSetterType" : "ModifySpotFleetRequestResult"
},
"wrapper" : false
},
"ModifySubnetAttributeRequest" : {
    "c2jName" : "ModifySubnetAttributeRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifySubnetAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "ModifySubnetAttribute",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
"members" : [ { 
 "c2jName" : "SubnetId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the subnet.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
 @param subnetId The ID of the subnet.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withSubnetId",
 "getterDocumentation" : "/**<p>The ID of the subnet.</p>
 @return The ID of the subnet.
 */",
 "getterMethodName" : "getSubnetId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SubnetId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "subnetId",
 "uri" : false
 },
 "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "MapPublicIpOnLaunch",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). </p>",
"getterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). </p>",
"getterMethodName" : "withMapPublicIpOnLaunch",
"getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "mapPublicIpOnLaunch",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
instance therefore receives a public IPv4 address). */
"getterMethodName" : "getMapPublicIpOnLaunch",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MapPublicIpOnLaunch",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MapPublicIpOnLaunch",
  "url" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MapPublicIpOnLaunch",
"setterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */
"setterMethodName" : "setMapPublicIpOnLaunch",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "mapPublicIpOnLaunch",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */
"setterMethodName" : "setMapPublicIpOnLaunch",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "mapPublicIpOnLaunch",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together.
*/

/**
 * AssignIpv6AddressOnCreation
 * 
 * Specify &lt;code&gt;true&lt;/code&gt; to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).<p>
 * If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version &lt;code&gt;2016-11-15&lt;/code&gt; or later of the Amazon EC2 API.</p>

@param assignIpv6AddressOnCreation
 * Specify &lt;code&gt;true&lt;/code&gt; to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).<p>
 * If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version &lt;code&gt;2016-11-15&lt;/code&gt; or later of the Amazon EC2 API.</p>

@return Returns a reference to this object so that method calls can be chained together.
*/

"documentation": null,
"http": {
  "additionalMarshallingPath": "Value",
  "additionalUnmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallingLocationName": "AssignIpv6AddressOnCreation",
  "queryString": false,
  "statusCode": false,
  "unmarshallingLocationName": "AssignIpv6AddressOnCreation",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AssignIpv6AddressOnCreation",
"setterDocumentation": "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.</p>
@param assignIpv6AddressOnCreation Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.</p>*/",
"setterMethodName": "setAssignIpv6AddressOnCreation",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "assignIpv6AddressOnCreation",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.</p>
@param assignIpv6AddressOnCreation Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.</p>*/"
assignIpv6AddressOnCreation Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). `<p>`<p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API. `<p>`<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "assignIpv6AddressOnCreation",
"variableType" : "Boolean",
"documentation" : "<p>Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). `<p>`<p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API.
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
]",
"membersAsMap" : {
"AssignIpv6AddressOnCreation" : {
"c2jName" : "AssignIpv6AddressOnCreation",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). `<p>`<p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). `<p>`<p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API.
"@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssignIpv6AddressOnCreation",
"getterDocumentation" : "/**<p>Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). `<p>`<p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API.
"@return Specify
<code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). 

If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.*/*

```
"getterMethodName" : "getAssignIpv6AddressOnCreation",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssignIpv6AddressOnCreation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssignIpv6AddressOnCreation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssignIpv6AddressOnCreation",
"setterDocumentation" : "/**\n<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). 

If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.*/\n
\param assignIpv6AddressOnCreation Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). 

If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.*/*

```
"setterMethodName" : "setAssignIpv6AddressOnCreation",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "assignIpv6AddressOnCreation",
  "variableType" : "AssignIpv6AddressOnCreation",
  "documentation" : "",
  "simpleType" : "Boolean",
```
"variableSetterType" : "Boolean",
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.</p>
@param assignIpv6AddressOnCreation Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "assignIpv6AddressOnCreation",
  "variableType" : "Boolean",
  "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.

@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).*/

getterMethodName" : "getMapPublicIpOnLaunch",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MapPublicIpOnLaunch",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MapPublicIpOnLaunch",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MapPublicIpOnLaunch",
"setterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).*/
@param mapPublicIpOnLaunch Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).*/

setterMethodName" : "setMapPublicIpOnLaunch",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "mapPublicIpOnLaunch",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).*/
@param mapPublicIpOnLaunch Specify <code>true</code> to indicate that network interfaces created in the specified
subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).\n
@returns Returns a reference to this object so that method calls can be chained together.
*/

variable : {
  \"variableDeclarationType\" : \"Boolean\",
  \"variableName\" : \"mapPublicIpOnLaunch\",
  \"variableType\" : \"Boolean\",
  \"documentation\" : \"<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).</p>\",
  \"simpleType\" : \"Boolean\",
  \"variableSetterType\" : \"Boolean\"
},
\"xmlns:NameSpaceUri\" : null,
\"SubnetId\" : {
  \"c2jName\" : \"SubnetId\",
  \"c2jShape\" : \"String\",
  \"deprecated\" : false,
  \"documentation\" : \"<p>The ID of the subnet.</p>\",
  \"enumType\" : null,
  \"FluentSetterDocumentation\" : \"<p>The ID of the subnet.</p>\n  \@param subnetId The ID of the subnet.\n  \@return Returns a reference to this object so that method calls can be chained together.\n\="/p>\n  \"FluentSetterMethodName\" : \"withSubnetId\",
  \"getterDocumentation\" : \"<p>The ID of the subnet.</p>\n  \@return The ID of the subnet.\n\="/p>\n  \"getterMethodName\" : \"getSubnetId\",
  \"getterModel\" : {
    \"returnType\" : \"String\",
    \"documentation\" : null
  },
  \"http\" : {
    \"additionalMarshallingPath\" : null,
    \"additionalUnmarshallingPath\" : null,
    \"flattened\" : false,
    \"greedy\" : false,
    \"header\" : false,
    \"isPayload\" : false,
    \"isStreaming\" : false,
    \"location\" : null,
    \"marshallLocationName\" : \"SubnetId\",
    \"queryString\" : false,
    \"statusCode\" : false,
    \"unmarshallLocationName\" : \"subnetId\",
    \"uri\" : false
  },
  \"idempotencyToken\" : false,
  \"list\" : false,
  \"listModel\" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**\n\<p>The ID of the subnet.</p>\n@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\<p>The ID of the subnet.</p>\n@param subnetId The ID of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SubnetId" ],
"shapeName" : "ModifySubnetAttributeRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ModifySubnetAttributeRequest",
"variableName" : "modifySubnetAttributeRequest",
"variableType" : "ModifySubnetAttributeRequest",
"documentation" : null,
"simpleType" : "ModifySubnetAttributeRequest",
"variableSetterType" : "ModifySubnetAttributeRequest"
},
"wrapper" : false
},
"ModifySubnetAttributeResult" : {
"c2jName" : "ModifySubnetAttributeResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ModifySubnetAttributeResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ModifySubnetAttributeResult",
"variableName" : "modifySubnetAttributeResult",
"variableType" : "ModifySubnetAttributeResult",
"documentation" : null,
"simpleType" : "ModifySubnetAttributeResult",
"variableSetterType" : "ModifySubnetAttributeResult"
},
"wrapper" : false
},
"ModifyVolumeAttributeRequest" : {
"c2jName" : "ModifyVolumeAttributeRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"variable" : {
"variableDeclarationType" : "ModifyVolumeAttributeRequest",
"variableName" : "modifyVolumeAttributeRequest",
"variableType" : "ModifyVolumeAttributeRequest",
"documentation" : null,
"simpleType" : "ModifyVolumeAttributeRequest",
"variableSetterType" : "ModifyVolumeAttributeRequest"
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"wrapper" : false
},
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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"variableDeclarationType" : "ModifyVolumeAttributeRequest",
"variableName" : "modifyVolumeAttributeRequest",
"variableType" : "ModifyVolumeAttributeRequest",
"documentation" : null,
"simpleType" : "ModifyVolumeAttributeRequest",
"variableSetterType" : "ModifyVolumeAttributeRequest"
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"wrapper" : false
},
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"variable" : {
"variableDeclarationType" : "ModifyVolumeAttributeRequest",
"variableName" : "modifyVolumeAttributeRequest",
"variableType" : "ModifyVolumeAttributeRequest",
"documentation" : null,
"simpleType" : "ModifyVolumeAttributeRequest",
"variableSetterType" : "ModifyVolumeAttributeRequest"
},
"wrapper" : false
},
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"variable" : {
"variableDeclarationType" : "ModifyVolumeAttributeRequest",
"variableName" : "modifyVolumeAttributeRequest",
"variableType" : "ModifyVolumeAttributeRequest",
"documentation" : null,
"simpleType" : "ModifyVolumeAttributeRequest",
"variableSetterType" : "ModifyVolumeAttributeRequest"
},
"wrapper" : false
},
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"enums" : null,
"errorCode" : null,
"action": "ModifyVolumeAttribute",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {
"c2jName": "VolumeId",
"c2jShape": "String",
"deprecated": false,
"documentation": "/**<p>The ID of the volume.</p>*/",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the volume.</p>
@param volumeId The ID of the
volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVolumeId",
"getterDocumentation": "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
"getterMethodName": "getVolumeId",
"getterModel": { 
"returnType": "String",
"documentation": null 
},
"http": { 
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VolumeId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VolumeId",
"uri": false 
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeId",
"setterDocumentation": "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
"setterMethodName": "setVolumeId",
"setterModel": { 
"variableDeclarationType": "String",
"variableName": "volumeId",
"variableType": "String" 
} }
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoEnableIO",
"setterDocumentation" : "/**\n<p>Indicates whether the volume should be auto-enabled for I/O operations.\</p>\n@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.*/",
"setterMethodName" : "setAutoEnableIO",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Indicates whether the volume should be auto-enabled for I/O operations.\</p>\n@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the volume should be auto-enabled for I/O operations.\</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
},
"membersAsMap" : {
"AutoEnableIO" : {
  "c2jName" : "AutoEnableIO",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Indicates whether the volume should be auto-enabled for I/O operations.\</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>Indicates whether the volume should be auto-enabled for I/O operations.\</p>\n@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAutoEnableIO",
  "getterDocumentation" : "/**\n<p>Indicates whether the volume should be auto-enabled for I/O operations.\</p>\n@return Indicates whether the volume should be auto-enabled for I/O operations.*/",
  "getMethodName" : "getAutoEnableIO",
  "getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AutoEnableIO",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutoEnableIO",
  "uri" : false,
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AutoEnableIO",
  "setterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>\n@<param>autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.*\*/",
  "setterMethodName" : "setAutoEnableIO",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "autoEnableIO",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>\n@<param>autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "autoEnableIO",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  }
}
"xmlNameSpaceUri" : null
},
"VolumeId" : {
  "c2jName" : "VolumeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>
  @param volumeId The ID of the volume.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumeId",
  "getterDocumentation" : "/**<p>The ID of the volume.</p>
  @return The ID of the volume.*/",
  "getterMethodName" : "getVolumeId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VolumeId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VolumeId",
  "setterDocumentation" : "/**<p>The ID of the volume.</p>
  @param volumeId The ID of the volume.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVolumeId",
  "setterModel" : {
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    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
"simple": true,
"varargSetterDocumentation": "/**\n*p>The ID of the volume.\n@param volumeId The ID of the
volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "\n<p>The ID of the volume.\n</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "VolumeId" ],
"shapeName": "ModifyVolumeAttributeRequest",
"unmarshaller": null,
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  "variableDeclarationType": "ModifyVolumeAttributeRequest",
  "variableName": "modifyVolumeAttributeRequest",
  "variableType": "ModifyVolumeAttributeRequest",
  "documentation": null,
  "simpleType": "ModifyVolumeAttributeRequest",
  "variableSetterType": "ModifyVolumeAttributeRequest"
},
"wrapper": false
},
"ModifyVolumeAttributeResult": {
  "c2jName": "ModifyVolumeAttributeResult",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": null,
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": { }
}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ModifyVolumeAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyVolumeAttributeResult",
  "variableName" : "modifyVolumeAttributeResult",
  "variableType" : "ModifyVolumeAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifyVolumeAttributeResult",
  "variableSetterType" : "ModifyVolumeAttributeResult"
},
"wrapper" : false
},
"ModifyVolumeRequest" : {
  "c2jName" : "ModifyVolumeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyVolume",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "c2jName" : "VolumeId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "",
    "enumType" : null,
"fluentSetterDocumentation" : "/**\n@param volumeId 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**\n@return \n*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**\n@param volumeId */",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param volumeId \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : ""
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, |
"c2jName" : "Size",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>Target size in GiB of the volume to be modified. Target volume size must be greater
than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>. Default: If no size is specified, the existing
size is retained. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size
must be greater than or equal to than the existing size of the volume. For information about available EBS volume
size is retained. </p>@param size Target size in GiB of the volume to be modified. Target volume size must be
greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see
size is retained.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSize",
"getterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be
greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see
size is retained.@return Target size in GiB of the volume to be modified. Target volume size must be
greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see
size is retained.@/*/",
"getterMethodName" : "getSize",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Size",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Size",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Size",
"setterDocumentation": "/**
<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>. Default: If no size is specified, the existing size is retained. </p>
@param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>. Default: If no size is specified, the existing size is retained. */",
"setterMethodName": "setSize",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "size",
  "variableType": "Integer",
  "documentation": 
  "simple": true,
  "varargSetterDocumentation": "/**
<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>. Default: If no size is specified, the existing size is retained. </p>
@param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>. Default: If no size is specified, the existing size is retained. 
@return Return Returns a reference to this object so that method calls can be chained together. */",
  "variable": {
    "variableDeclarationType": "Integer",
  }
}
"variableName" : "size",
"variableType" : "Integer",
"documentation" : "<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> Default: If no size is specified, the existing size is retained. <p>}</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer" },
"xmlNameSpaceUri" : null,
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"deprecated" : false,
"documentation" : "<p>Target EBS volume type of the volume to be modified</p> Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p>}</p>",
"enumType" : "VolumeType",
"fluentSetterDocumentation" : "/**<p>Target EBS volume type of the volume to be modified</p> Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p>}</p>
@param volumeType Target EBS volume type of the volume to be modified</p> Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p>}</p>
@see VolumeType*/",
"fluentSetterMethodName" : "withVolumeType",
"getterDocumentation" : "/**<p>Target EBS volume type of the volume to be modified</p> Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p>}</p>
@return Target EBS volume type of the volume to be modified</p> Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p>}</p>
@see VolumeType*/",
"getterMethodName" : "getVolumeType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VolumeType",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VolumeType",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeType",
"setterDocumentation": "**/p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p> <p>@param volumeType Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. <p> <p>\@return Returns a reference to this object so that method calls can be chained together.\@see VolumeType*/",
"setterMethodName": "setVolumeType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p> <p>\@return Returns a reference to this object so that method calls can be chained together.\@see VolumeType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String",
  "documentation": "**/p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.<p> <p>\@return Returns a reference to this object so that method calls can be chained together.\@see VolumeType*/",
"simpleType": "String",
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Iops",
"c2jShape" : "Integer",
"deprecated" : false,

"enumType" : null,

@returns Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withIops",


@returns Returns a reference to this object so that method calls can be chained together.*"",
"getterMethodName" : "getIops",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location": null,
"marshallLocationName": "Iops",
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"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Iops",
@param iops Target IOPS rate of the volume to be modified.</p> <p>Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setIops",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "iops",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "iops",
  "variableType": "Integer",
  "documentation": "<p>Target IOPS rate of the volume to be modified.</p> "}
IOPS SSD \(<\text{code}>\text{io1}\end{code}>\) volumes. For more information about \(<\text{code}>\text{io1}\end{code}>\) IOPS configuration, see [here](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops). Only valid for Provisioned IOPS SSD \(<\text{code}>\text{io1}\end{code}>\) volumes. For more information about \(<\text{code}>\text{io1}\end{code}>\) IOPS configuration, see [here](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops).
"http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": false, "isStreaming": false, "location": null, "marshallLocationName": "Iops", "queryString": false, "statusCode": false, "unmarshallLocationName": "Iops", "uri": false }, "idempotencyToken": false, "list": false, "listModel": null, "map": false, "mapModel": null, "name": "Iops", "setterDocumentation": "/**\n* Target IOPS rate of the volume to be modified.\n* Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.\n*\n* @param iops Target IOPS rate of the volume to be modified.\n* Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.*/", "setterMethodName": "setIops", "setterModel": { "variableDeclarationType": "Integer", "variableName": "iops", "variableType": "Integer", "documentation": "", "simpleType": "Integer", "variableSetterType": "Integer" }, "simple": true, "varargSetterDocumentation": "/**\n* Target IOPS rate of the volume to be modified.\n* Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.\n*\n* @param iops Target IOPS rate of the volume to be modified.\n* Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.*/"

**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p>**

*param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.*

@return Returns a reference to this object so that method calls can be chained together.*

```java
public void setSize(Integer size) {
  this.size = size;
}
```

```java
public Integer getSize() {
  return size;
}
```

**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p>**

*param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.*

@return Returns a reference to this object so that method calls can be chained together.*

```java
public void setSize(Integer size) {
  this.size = size;
}
```

```java
public Integer getSize() {
  return size;
}
```
Default: If no size is specified, the existing size is retained. */

```json
    "getterMethodName" : "getSize",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Size",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Size",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Size",
    "setterDocumentation" : "**p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see

http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing size is retained. */

```
"simple" : true,
"varargSetterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p><p>Default: If no size is specified, the existing size is retained. <param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "size",
    "variableType" : "Integer",
    "documentation" : "<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing size is retained.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "complexType" : "Integer",
    "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"VolumeId" : {
    "c2jName" : "VolumeId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param volumeId 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeId",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getVolumeId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**
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"setterMethodName" : "setVolumeId",
"setterModel" : {
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeType" : {
  "c2jName" : "VolumeType",
  "c2jShape" : "VolumeType",
  "deprecated" : false,
  "documentation" : "<p>Target EBS volume type of the volume to be modified</p>
  <p>Valid values are <code>io1</code>, <code>gp2</code>, <code>sc1</code>, <code>st1</code>.
  The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. <p/>
  <p>
  <p>
  "enumType" : "VolumeType",
  "fluentSetterDocumentation" : "/*\nTarget EBS volume type of the volume to be modified*/
  <p>Valid values are <code>io1</code>, <code>gp2</code>, <code>sc1</code>, <code>st1</code>. <p>
  <p>The API does
The API does not support modifications for volume type `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. The API does not support modifications for volume type `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>`. You also cannot change the type of a volume to `<code>standard</code>.

### VolumeType

**Setter Documentation**

```java
/**
 * Target EBS volume type of the volume to be modified
 * Valid values are `io1` | `gp2` | `sc1` | `st1`
 * The API does not support modifications for volume type `standard`. You also cannot change the type of a volume to `standard`.
 */
public void setVolumeType(String volumeType);
```

**Getter Documentation**

```java
/**
 * Target EBS volume type of the volume to be modified
 * Valid values are `io1` | `gp2` | `sc1` | `st1`
 * The API does not support modifications for volume type `standard`. You also cannot change the type of a volume to `standard`.
 */
public String getVolumeType();
```

---

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"setterModel" : { 
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p><p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p>
@param volumeType Target EBS volume type of the volume to be modified
<p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p><p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : { 
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "VolumeId" ],
"shapeName" : "ModifyVolumeRequest",
"unmarshaller" : null,
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  "variableDeclarationType" : "ModifyVolumeRequest",
  "variableName" : "modifyVolumeRequest",
  "variableType" : "ModifyVolumeRequest",
  "documentation" : null,
  "simpleType" : "ModifyVolumeRequest",
  "variableSetterType" : "ModifyVolumeRequest"
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"wrapper" : false
},
"ModifyVolumeResult" : { 
  "c2jName" : "ModifyVolumeResult",
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  "variableName" : "modifyVolumeResult",
  "variableType" : "ModifyVolumeResult",
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  "variableSetterType" : "ModifyVolumeRequest"
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},
"deprecated" : false,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
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"members" : [ {
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  "c2jShape" : "VolumeModification",
  "deprecated" : false,
  "documentation" : "<p>A <a>VolumeModification</a> object.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A <a>VolumeModification</a> object.</p>
@param volumeModification A <a>VolumeModification</a> object.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumeModification",
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@return A <a>VolumeModification</a> object.*/",
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    "greedy" : false,
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    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeModification",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeModification",
"setterDocumentation" : "/**<p>A <a>VolumeModification</a> object.</p>
@param volumeModification A <a>VolumeModification</a> object.*/",
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  "documentation" : "",
  "simpleType" : "VolumeModification",
  "variableSetterType" : "VolumeModification"
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"varargSetterDocumentation" : "/**<p>A <a>VolumeModification</a> object.</p>
@param volumeModification A <a>VolumeModification</a> object.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param volumeModification A <a>VolumeModification</a> object.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>A <a>VolumeModification</a> object.</p>
@return A <a>VolumeModification</a> object.*/",
    "getterMethodName" : "getVolumeModification",
    "getterModel" : {
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      "documentation" : null
    }
  }
}
"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "marshallLocationName" : "VolumeModification",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeModification",
    "uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeModification",
"setterDocumentation" : "/**\n * A <a>VolumeModification</a> object.
 * @param volumeModification A <a>VolumeModification</a> object.*/",
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"setterModel" : {
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    "variableType" : "VolumeModification",
    "documentation" : "",
    "simpleType" : "VolumeModification",
    "variableSetterType" : "VolumeModification"
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"simple" : false,
"varargSetterDocumentation" : "/**\n * A <a>VolumeModification</a> object.
 * \n * @param volumeModification A <a>VolumeModification</a> object.
 * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>A <a>VolumeModification</a> object.</p>",
    "simpleType" : "VolumeModification",
    "variableSetterType" : "VolumeModification"
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"requestSignerClassFqcn" : null,
"required" : null,
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  "resultWrapper" : null
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  "variableType" : "ModifyVolumeResult",
  "documentation" : null,
  "simpleType" : "ModifyVolumeResult",
  "variableSetterType" : "ModifyVolumeResult"
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  "c2jName" : "ModifyVpcAttributeRequest",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyVpcAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@name vpcId The ID of the VPC
*/return
"
Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String"}
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},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "EnableDnsSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.\n@return Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.\n@return Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withEnableDnsSupport",
"getterDocumentation" : "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>\n@return Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>\n@return Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEnableDnsSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsSupport",
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"statusCode" : false,
"unmarshallLocationName" : "EnableDnsSupport",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**
<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>
<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.

@param enableDnsSupport Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>
<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.

@param enableDnsSupport Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean"
Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.

Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.

Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.

Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.

Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.
"marshallLocationName": "EnableDnsHostnames",
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"listModel": null,
"map": false,
"mapModel": null,
"name": "EnableDnsHostnames",
"setterDocumentation": "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEnableDnsHostnames",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enableDnsHostnames",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enableDnsHostnames",
  "variableType": "Boolean",
  "documentation": "Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.
You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support."
},
"simpleType": "Boolean",
"variableSetterType": "Boolean"}
"xmlNameSpaceUri" : null
 
"membersAsMap" : {
  "EnableDnsHostnames" : {
    "c2jName" : "EnableDnsHostnames",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p> 

    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS
hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>

@param enableDnsHostnames
Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.

@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEnableDnsHostnames",
    "getterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>

@return Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.

*/",
    "getterMethodName" : "getEnableDnsHostnames",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : "Value",
      "additionalUnmarshallingPath" : "value",
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "EnableDnsHostnames",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "EnableDnsHostnames",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsHostnames",
"setterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</param><p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you’ve enabled DNS support.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnableDnsHostnames",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsHostnames",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</param><p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you’ve enabled DNS support.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsHostnames",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"EnableDnsSupport" : {
"c2jName" : "EnableDnsSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation": "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to
the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the
VPC network range "plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that
resolves public DNS hostnames to IP addresses is not enabled.</p>

<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

"enumType": null,

"fluentSetterDocumentation": "/**<p>Indicates whether the DNS resolution is supported for the VPC. If
enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address
at the base of the VPC network range "plus two\" will succeed. If disabled, the Amazon provided DNS service in
the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>

<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

@param enableDnsSupport Indicates whether the DNS resolution is supported for the VPC. If
enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address
at the base of the VPC network range "plus two\" will succeed. If disabled, the Amazon provided DNS service in
the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>

<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName": "withEnableDnsSupport",

"getterDocumentation": "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled,
queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range "plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>

<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

@return Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range "plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>

<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

@return Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range "plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>

<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName": "getEnableDnsSupport",

"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": "Value",
  "additionalUnmarshallingPath": "value",
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "EnableDnsSupport",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "EnableDnsSupport",
  "uri": false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>
@param enableDnsSupport Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>
@param enableDnsSupport Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
"VpcId" : {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "**<p>The ID of the VPC.</p>
@returns The ID of the VPC.

@returns Returns a reference to this object so that method calls can be chained together.
",
    "getterDocumentation" : "**<p>The ID of the VPC.
@returns The ID of the VPC.
",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "VpcId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "vpcId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "VpcId",
    "setterDocumentation" : "**<p>The ID of the VPC.</p>
@returns The ID of the VPC.
",
    "setterMethodName" : "setVpcId",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "vpcId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/*\n**<p>The ID of the VPC.</p>
@param vpcId The ID of the
VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the VPC.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "ModifyVpcAttributeRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "ModifyVpcAttributeRequest",
    "variableName" : "modifyVpcAttributeRequest",
    "variableType" : "ModifyVpcAttributeRequest",
    "documentation" : null,
    "simpleType" : "ModifyVpcAttributeRequest",
    "variableSetterType" : "ModifyVpcAttributeRequest"
},
"wrapper" : false
},
"ModifyVpcAttributeResult" : {
    "c2jName" : "ModifyVpcAttributeResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : null,
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyVpcAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyVpcAttributeResult",
  "variableName" : "modifyVpcAttributeResult",
  "variableType" : "ModifyVpcAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifyVpcAttributeResult",
  "variableSetterType" : "ModifyVpcAttributeResult"
},
"wrapper" : false
},
"ModifyVpcEndpointRequest" : {
  "c2jName" : "ModifyVpcEndpointRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyVpcEndpoint.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyVpcEndpoint",
    "locationName" : null,
    "requestUri" : "?",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "VpcEndpointId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the endpoint.</p>",
      "membersAsMap" : { },
      "requestSignerAware" : false,
      "requestSignerClassFqcn" : null,
      "required" : null,
      "shapeName" : "ModifyVpcAttributeResult",
      "unmarshaller" : {
        "flattened" : false,
        "resultWrapper" : null
      },
      "variable" : {
        "variableDeclarationType" : "ModifyVpcAttributeResult",
        "variableName" : "modifyVpcAttributeResult",
        "variableType" : "ModifyVpcAttributeResult",
        "documentation" : null,
        "simpleType" : "ModifyVpcAttributeResult",
        "variableSetterType" : "ModifyVpcAttributeResult"
      },
      "wrapper" : false
    }
  ]
}
"variableType" : "String",
"documentation" : "<p>The ID of the endpoint.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "ResetPolicy",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p><p>@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withResetPolicy",
"getterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p><p>@return Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>*/",
"getterMethodName" : "getResetPolicy",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ResetPolicy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResetPolicy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResetPolicy",
"setterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy.
The default policy allows access to the service.

@resetPolicy

Specify true to reset the policy document to the default policy. The default policy allows access to the service.

setterMethodName: "setResetPolicy",
setterModel: {
  variableDeclarationType: "Boolean",
  variableName: "resetPolicy",
  variableType: "Boolean",
  documentation: "",
  simpleType: "Boolean",
  variableSetterType: "Boolean"
},
simple: true,
varargSetterDocumentation: "Specify true to reset the policy document to the default policy. The default policy allows access to the service.

@resetPolicy

Specify true to reset the policy document to the default policy. The default policy allows access to the service.

return

Returns a reference to this object so that method calls can be chained together.

variable: {
  variableDeclarationType: "Boolean",
  variableName: "resetPolicy",
  variableType: "Boolean",
  documentation: "Specify true to reset the policy document to the default policy. The default policy allows access to the service.

simple: "Boolean",
variableSetterType: "Boolean"
},
xmlNameSpaceUri: null,

c2jName: "PolicyDocument",
c2jShape: "String",
deprecated: false,
documentation: "A policy document to attach to the endpoint. The policy must be in valid JSON format.

enumType: null,
fluentSetterDocumentation: "A policy document to attach to the endpoint. The policy must be in valid JSON format.

http: {
  additionalMarshallingPath: null,
  additionalUnmarshallingPath: null,
  "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PolicyDocument",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PolicyDocument",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.&lt;/p&gt;\n@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.*\*/",
"setterMethodName" : "setPolicyDocument",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.&lt;/p&gt;\n@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "AddRouteTableIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more route tables IDs to associate with the endpoint.&lt;/p&gt;"
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@param addRouteTableIds One or more route tables IDs to associate with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAddRouteTableIds",
"getterDocumentation": "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@return One or more route tables IDs to associate with the endpoint.*/",
"getterMethodName": "getAddRouteTableIds",
"getterModel": {
  "returnType": "java.util.List<string>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AddRouteTableId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AddRouteTableId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "AddRouteTableIds",
"setterDocumentation" : "/**
<p>One or more route tables IDs to associate with the endpoint.</p>
@param addRouteTableIds One or more route tables IDs to associate with the endpoint.</param*/",
"setterMethodName" : "setAddRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "addRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more route tables IDs to associate with the endpoint.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAddRouteTableIds(java.util.Collection)} or {@link #withAddRouteTableIds(java.util.Collection)} if you want to override the existing values.</p>
@param addRouteTableIds One or more route tables IDs to associate with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.</param*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "addRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route tables IDs to associate with the endpoint."",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RemoveRouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "One or more route table IDs to disassociate from the endpoint.

@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.
@return Returns a reference to this object so that method calls can be chained together.

"flucentSetterDocumentation" : "/**
One or more route table IDs to disassociate from the endpoint.

@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.
@return Returns a reference to this object so that method calls can be chained together.

"flucentSetterMethodName" : "withRemoveRouteTableIds",
"getterDocumentation" : "/**
One or more route table IDs to disassociate from the endpoint.

@return Returns a reference to this object so that method calls can be chained together.

"getterMethodName" : "getRemoveRouteTableIds""}
"getterMethodName" : "getRemoveRouteTableIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RemoveRouteTableId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RemoveRouteTableId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@method call can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@method call can be chained together. */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    }
  }
}
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"map" : false,
"mapModel" : null,
"name" : "RemoveRouteTableIds",
"setterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.*"/
"setterMethodName" : "setRemoveRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "removeRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRemoveRouteTableIds(java.util.Collection)} or {@link #withRemoveRouteTableIds(java.util.Collection)} if you want to override the existing values.
@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "removeRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route table IDs to disassociate from the endpoint.
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setRemoveRouteTableIds(java.util.Collection) or @link #withRemoveRouteTableIds(java.util.Collection) if you want to override the existing values.
  @param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.
  @return Returns a reference to this object so that method calls can be chained together.
  */
  
  "variableDocumentation" : "One or more route table IDs to disassociate from the endpoint.
  "variableModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "removeRouteTableIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  }
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AddRouteTableIds" : {
    "c2jName" : "AddRouteTableIds",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "One or more route table IDs to associate with the endpoint.
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #addRouteTableIds(java.util.Collection) or @link #withAddRouteTableIds(java.util.Collection) if you want to override the existing values.
    @param addRouteTableIds One or more route table IDs to associate with the endpoint.
    @return Returns a reference to this object so that method calls can be chained together.
    */
    
    "variableDocumentation" : "One or more route table IDs to associate with the endpoint.
    "variableModel" : {
      "variableDeclarationType" : "java.util.List<String>",
      "variableName" : "addRouteTableIds",
      "variableType" : "java.util.List<String>",
      "documentation" : "",
      "simpleType" : "List<String>",
      "variableSetterType" : "java.util.Collection<String>"
    }
  },
  "xmlNameSpaceUri" : null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AddRouteTableId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AddRouteTableId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
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    "isStreaming": false,
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    "queryString": false,
    "statusCode": false,
    "statusCode": false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "AddRouteTableIds",
"setterDocumentation" : "/**\nOne or more route tables IDs to associate with the endpoint.\n*/\n@param
addRouteTableIds One or more route tables IDs to associate with the endpoint.*}/
  "setterMethodName" : "setAddRouteTableIds",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "addRouteTableIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more route tables IDs to associate with the endpoint.</p>
  <b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setAddRouteTableIds(java.util.Collection) } or { @link #withAddRouteTableIds(java.util.Collection) } if you want to override the existing values. 
  @return Returns a reference to this object so that method calls can be chained together.*}/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "addRouteTableIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more route tables IDs to associate with the endpoint.
  
  \@param addRouteTableIds One or more route tables IDs to associate with the endpoint.
  \@return Returns a reference to this object so that method calls can be chained together.*}/",

"PolicyDocument" : {
  "c2jName" : "PolicyDocument",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A policy document to attach to the endpoint. The policy must be in valid JSON format.*}/",
  "enumType" : null,
  "fluentSetterDocumentation" : "A policy document to attach to the endpoint. The policy must be in valid JSON format.*}/",
  "fluentSetterMethodName" : "withPolicyDocument",
  "getterDocumentation" : "A policy document to attach to the endpoint. The policy must be in valid JSON format.*}/",
  "getterMethodName" : "getPolicyDocument",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PolicyDocument",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PolicyDocument",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.*/",
"setterMethodName" : "setPolicyDocument",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"RemoveRouteTableIds" : {
"c2jName" : "RemoveRouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs to disassociate from the endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>One or more route table IDs to disassociate from the endpoint.</p>
@param removeRouteTableIds One or more route table IDs to disassociate from
the endpoint.
@return Returns a reference to this object so that method calls can be
chained together. */",
"getterMethodName" : "getRemoveRouteTableIds",
"getterModel" : { "returnType" : "java.util.List<String>",
"documentation" : null }
},
"http" : { "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RemoveRouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RemoveRouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be
chained together. */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item"
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "RemoveRouteTableIds",
"setterDocumentation" : "/**
* One or more route table IDs to disassociate from the endpoint.<p/>
* @param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.*/",
"setterMethodName" : "setRemoveRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "removeRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**
* One or more route table IDs to disassociate from the endpoint.<p/>
* @param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.<p/>
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "removeRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route table IDs to disassociate from the endpoint.<p/>
  * @param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.<p/>
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "simple" : false,
  "variableNameSpaceUri" : null
},
"ResetPolicy" : {
  "c2jName" : "ResetPolicy",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service."
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResetPolicy",
"getterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>@return Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>*/",
"getterMethodName" : "getResetPolicy",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ResetPolicy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResetPolicy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResetPolicy",
"setterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>*/",
"setterMethodName" : "setResetPolicy",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "resetPolicy",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation": "/** Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service. */
@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "resetPolicy",
  "variableType": "Boolean",
  "documentation": "Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.
@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"VpcEndpointId": {
  "c2jName": "VpcEndpointId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the endpoint.

@param vpcEndpointId The ID of the endpoint.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withVpcEndpointId",
  "getterDocumentation": "The ID of the endpoint.

@return The ID of the endpoint. */",
  "getterMethodName": "getVpcEndpointId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "VpcEndpointId",
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"map" : false,
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"setterMethodName" : "setVpcEndpointId",
"setterModel" : {
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  "variableName" : "vpcEndpointId",
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  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the endpoint.</p>\n@param vpcEndpointId The ID of the endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "ModifyVpcEndpointRequest",
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  "variableSetterType" : "ModifyVpcEndpointRequest"
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"deprecated" : false,
"documentation" : "\<p\>Contains the output of ModifyVpcEndpoint.</p>\",
"enums" : null,
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  "deprecated" : false,
  "documentation" : "\<p\>Returns \<code\>true\</code\> if the request succeeds; otherwise, it returns an error.</p>\",
  "enumType" : null,
  "fluentSetterDocumentation" : "\/**<p>\>Returns \<code\>true\</code\> if the request succeeds; otherwise, it returns an error.\</p>\n@param returnValue Returns \<code\>true\</code\> if the request succeeds; otherwise, it returns an
error.\</p>\n\n## Returns a reference to this object so that method calls can be chained together.\*/",
  "fluentSetterMethodName" : "withReturn",
  "getterDocumentation" : "\/**<p>\>Returns \<code\>true\</code\> if the request succeeds; otherwise, it returns an
error.\</p>\n\n## Gets the \<code\>true\</code\> if the request succeeds; otherwise, it returns an error.\*/",
  "getterMethodName" : "getReturn",
  "getterModel" : 
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "statusCode" : false,
    "unmarshallerLocationName" : "return",
    "uri" : false
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  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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  "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
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  "variableSetterType": "Boolean"
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    "c2jShape": "Boolean",
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    "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together."*/",
    "fluentSetterMethodName": "withReturn",
    "getterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together."*/",
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    "getterModel": {
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      "documentation": null
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  }
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  "greedy" : false,
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  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "return",
  "uri" : false 
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"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
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  "variableType" : "Boolean",
  "documentation" : "",
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  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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  "resultWrapper": null
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  "variableDeclarationType": "ModifyVpcEndpointResult",
  "variableName": "modifyVpcEndpointResult",
  "variableType": "ModifyVpcEndpointResult",
  "documentation": null,
  "simpleType": "ModifyVpcEndpointResult",
  "variableSetterType": "ModifyVpcEndpointResult"
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"wrapper": false,
"ModifyVpcPeeringConnectionOptionsRequest": {
  "c2jName": "ModifyVpcPeeringConnectionOptionsRequest",
  "customization": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
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  "errorCode": null,
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
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    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
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      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The ID of the VPC peering connection.</p>""}]}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
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"documentation" : null
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"isStreaming" : false,
"location" : null,
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"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
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"variableName" : "vpcPeeringConnectionId",
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"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/"
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "RequesterPeeringConnectionOptions",
"c2jShape" : "PeeringConnectionOptionsRequest",
"deprecated" : false,
"documentation" : "<p>The VPC peering connection options for the requester VPC.</p>"

//param requesterPeeringConnectionOptions The VPC peering connection options for the requester VPC.
"@return Returns a reference to this object so that method calls can be chained together."/

"getterDocumentation" : "/<p>The VPC peering connection options for the requester VPC.</p>"

"getterMethodName" : "getRequesterPeeringConnectionOptions",
"getterModel" : {
  "returnType" : "PeeringConnectionOptionsRequest",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RequesterPeeringConnectionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RequesterPeeringConnectionOptions",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterPeeringConnectionOptions",
"setterDocumentation" : "/<p>The VPC peering connection options for the requester VPC.</p>"

@param
requesterPeeringConnectionOptions The VPC peering connection options for the requester VPC.*/
     
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  "setterModel" : {
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    "documentation" : "",
    "simpleType" : "PeeringConnectionOptionsRequest",
    "variableSetterType" : "PeeringConnectionOptionsRequest"
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  "simple" : false,
  "vargSettterDocumentation" : "/**<p>The VPC peering connection options for the requester VPC.</p>/n@param requesterPeeringConnectionOptions The VPC peering connection options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "PeeringConnectionOptionsRequest",
    "variableName" : "requesterPeeringConnectionOptions",
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    "documentation" : "<p>The VPC peering connection options for the requester VPC.</p>
    "simpleType" : "PeeringConnectionOptionsRequest",
    "variableSetterType" : "PeeringConnectionOptionsRequest"
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  "xmlNameSpaceUri" : null
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  "c2jShape" : "PeeringConnectionOptionsRequest",
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  "documentation" : "<p>The VPC peering connection options for the accepter VPC.</p>/n@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>/n@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withAccepterPeeringConnectionOptions",
  "getterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>/n@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
@return The VPC peering connection options for the accepter VPC. */",
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  "getterModel" : {
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    "documentation" : null
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"uri": false
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"setterDocumentation": "/**<p>The VPC peering connection options for the accepter VPC.
\n@\n@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
*/",
"setterMethodName": "setAccepterPeeringConnectionOptions",
"setterModel": {
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  "variableName": "accepterPeeringConnectionOptions",
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  "documentation": "",
  "simpleType": "PeeringConnectionOptionsRequest",
  "variableSetterType": "PeeringConnectionOptionsRequest"
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"simple": false,
"varargSetterDocumentation": "/**<p>The VPC peering connection options for the accepter
VPC.
\n@\n@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter
VPC.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType": "PeeringConnectionOptionsRequest",
  "documentation": "<p>The VPC peering connection options for the accepter VPC.</p>",
  "simpleType": "PeeringConnectionOptionsRequest",
  "variableSetterType": "PeeringConnectionOptionsRequest"
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"membersAsMap": {
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    "c2jShape": "PeeringConnectionOptionsRequest",
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    "documentation": "<p>The VPC peering connection options for the accepter VPC.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The VPC peering connection options for the accepter
VPC.
\n@\n@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter
VPC.
\n@return Returns a reference to this object so that method calls can be chained together.
*/"
}
"fluentSetterMethodName" : "withAccepterPeeringConnectionOptions",
"getterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>@return The VPC peering connection options for the accepter VPC.*/",
"getterMethodName" : "getAccepterPeeringConnectionOptions",
"getterModel" : {
  "returnType" : "PeeringConnectionOptionsRequest",
  "documentation" : null
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  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AccepterPeeringConnectionOptions",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AccepterPeeringConnectionOptions",
"setterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>
@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAccepterPeeringConnectionOptions",
"setterModel" : {
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  "variableName" : "accepterPeeringConnectionOptions",
  "variableType" : "PeeringConnectionOptionsRequest",
  "documentation" : null
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>
@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "PeeringConnectionOptionsRequest",
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"documentation" : "The VPC peering connection options for the accepter VPC.",
"simpleType" : "PeeringConnectionOptionsRequest",
"variableSetterType" : "PeeringConnectionOptionsRequest"
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"xmlNameSpaceUri" : null
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"c2jShape" : "PeeringConnectionOptionsRequest",
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"documentation" : "The VPC peering connection options for the requester VPC.",
"enumType" : null,
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"getterDocumentation" : "The VPC peering connection options for the requester VPC.",
"getterMethodName" : "getRequesterPeeringConnectionOptions",
"getterModel" : {
"returnType" : "PeeringConnectionOptionsRequest",
"documentation" : null
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterPeeringConnectionOptions",
"setterDocumentation" : "The VPC peering connection options for the requester VPC.",
"setterMethodName" : "setRequesterPeeringConnectionOptions",
"setterModel" : {
"variableDeclarationType" : "PeeringConnectionOptionsRequest",
"variableName" : "requesterPeeringConnectionOptions",
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"documentation" : "",
"simpleType" : "PeeringConnectionOptionsRequest",
"variableSetterType" : "PeeringConnectionOptionsRequest"
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"simple" : false,
"vargSetterDocumentation" : "/**\n<p>The VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions The VPC peering connection options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "requesterPeeringConnectionOptions",
"variableType" : "PeeringConnectionOptionsRequest",
"documentation" : "<p>The VPC peering connection options for the requester VPC.</p>",
"simpleType" : "PeeringConnectionOptionsRequest",
"variableSetterType" : "PeeringConnectionOptionsRequest"
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"xmlNameSpaceUri" : null
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"VpcPeeringConnectionId" : {
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**\n<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
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"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcPeeringConnectionId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.</p>*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
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  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>"",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [{ "VpcPeeringConnectionId" }],
"shapeName" : "ModifyVpcPeeringConnectionOptionsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ModifyVpcPeeringConnectionOptionsRequest",
  "variableName" : "modifyVpcPeeringConnectionOptionsRequest",
  "variableType" : "ModifyVpcPeeringConnectionOptionsRequest",
  "documentation" : null,
  "simpleType" : "ModifyVpcPeeringConnectionOptionsRequest"}
"variableSetterType": "ModifyVpcPeeringConnectionOptionsRequest",
"wrapper": false
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"ModifyVpcPeeringConnectionOptionsResult": {
"c2jName": "ModifyVpcPeeringConnectionOptionsResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": 
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "RequesterPeeringConnectionOptions",
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"deprecated": false,
"documentation": "/<p>Information about the VPC peering connection options for the requester VPC.</p>"",
"enumType": null,
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@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": 
"getterDocumentation": "/**<p>Information about the VPC peering connection options for the requester VPC.</p>
@return Information about the VPC peering connection options for the requester VPC.*/",
"getterMethodName": "getRequesterPeeringConnectionOptions",
"getterModel": {
"returnType": "PeeringConnectionOptions",
"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallerLocationName": "RequesterPeeringConnectionOptions"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requesterPeeringConnectionOptions",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "RequesterPeeringConnectionOptions",
"setterDocumentation" : "/**<p>Information about the VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.*/",
"setterMethodName" : "setRequesterPeeringConnectionOptions",
"setterModel" : {
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  "variableName" : "requesterPeeringConnectionOptions",
  "variableType" : "PeeringConnectionOptions",
  "documentation" : "",
  "simpleType" : "PeeringConnectionOptions",
  "variableSetterType" : "PeeringConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "PeeringConnectionOptions",
  "documentation" : "<p>Information about the VPC peering connection options for the requester VPC.</p>
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  "variableSetterType" : "PeeringConnectionOptions"
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"xmlNameSpaceUri" : null
}, {
  "c2jName" : "AccepterPeeringConnectionOptions",
  "c2jShape" : "PeeringConnectionOptions",
  "deprecated" : false,
  "documentation" : "<p>Information about the VPC peering connection options for the accepter VPC.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>
  @param accepterPeeringConnectionOptions Information about the VPC peering connection options for the accepter VPC.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAccepterPeeringConnectionOptions",
  "getterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>
  @return Information about the VPC peering connection options for the accepter VPC.*/
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>
  @param accepterPeeringConnectionOptions Information about the VPC peering connection options for the accepter VPC.
  @return Returns a reference to this object so that method calls can be chained together.*/"
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"getterModel" : {
  "returnType" : "PeeringConnectionOptions",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AccepterPeeringConnectionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "accepterPeeringConnectionOptions",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AccepterPeeringConnectionOptions",
"setterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>
@param accepterPeeringConnectionOptions Information about the VPC peering connection options for the accepter VPC.*/",
"setterMethodName" : "setAccepterPeeringConnectionOptions",
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  "variableName" : "accepterPeeringConnectionOptions",
  "variableType" : "PeeringConnectionOptions",
  "documentation" : "",
  "simpleType" : "PeeringConnectionOptions",
  "variableSetterType" : "PeeringConnectionOptions"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>
@param accepterPeeringConnectionOptions Information about the VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "PeeringConnectionOptions",
  "documentation" : "<p>Information about the VPC peering connection options for the accepter VPC.
</p>",
  "simpleType" : "PeeringConnectionOptions"}
"variableSetterType" : "PeeringConnectionOptions"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
  "AccepterPeeringConnectionOptions" : {
    "c2jName" : "AccepterPeeringConnectionOptions",
    "c2jShape" : "PeeringConnectionOptions",
    "deprecated" : false,
    "documentation" : "<p>Information about the VPC peering connection options for the accepter VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>*/
@<param accepterPeeringConnectionOptions Information about the VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>*/
@<return Information about the VPC peering connection options for the accepter VPC.*/",
    "getterMethodName" : "getAccepterPeeringConnectionOptions",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AccepterPeeringConnectionOptions",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "accepterPeeringConnectionOptions",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AccepterPeeringConnectionOptions",
    "setterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>*/
@<param accepterPeeringConnectionOptions Information about the VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setAccepterPeeringConnectionOptions",
    "setterModel" : {
"variableDeclarationType" : "PeeringConnectionOptions",
"variableName" : "accepterPeeringConnectionOptions",
"variableType" : "PeeringConnectionOptions",
"documentation" : "",
"simpleType" : "PeeringConnectionOptions",
"variableSetterType" : "PeeringConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter VPC.</p>
@param accepterPeeringConnectionOptions Information about the VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "PeeringConnectionOptions",
"variableName" : "accepterPeeringConnectionOptions",
"variableType" : "PeeringConnectionOptions",
"documentation" : "<p>Information about the VPC peering connection options for the accepter VPC.</p>",
"simpleType" : "PeeringConnectionOptions",
"variableSetterType" : "PeeringConnectionOptions"
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"xmlNameSpaceUri" : null
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"RequesterPeeringConnectionOptions" : {
"c2jName" : "RequesterPeeringConnectionOptions",
"c2jShape" : "PeeringConnectionOptions",
"deprecated" : false,
"documentation" : "<p>Information about the VPC peering connection options for the requester VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withRequesterPeeringConnectionOptions",
"getterDocumentation" : "/**<p>Information about the VPC peering connection options for the requester VPC.</p>
@return Information about the VPC peering connection options for the requester VPC. */",
"getterMethodName" : "getRequesterPeeringConnectionOptions",
"getterModel" : {
"returnType" : "PeeringConnectionOptions",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshalLocationName" : "RequesterPeeringConnectionOptions",
"variableDeclarationType" : "PeeringConnectionOptions",
"variableName" : "accepterPeeringConnectionOptions",
"variableType" : "PeeringConnectionOptions",
"documentation" : "",
"simpleType" : "PeeringConnectionOptions",
"variableSetterType" : "PeeringConnectionOptions"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requesterPeeringConnectionOptions",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterPeeringConnectionOptions",
"setterDocumentation" : "/**<p>Information about the VPC peering connection options for the requester
VPC.</p>
@param requesterPeeringConnectionOptions Information about the VPC peering connection options for
the requester VPC.*/",
"setterMethodName" : "setRequesterPeeringConnectionOptions",
"setterModel" : {
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   "variableName" : "requesterPeeringConnectionOptions",
   "variableType" : "PeeringConnectionOptions",
   "documentation" : "",
   "simpleType" : "PeeringConnectionOptions",
   "variableSetterType" : "PeeringConnectionOptions"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the
requester VPC.</p>
@param requesterPeeringConnectionOptions Information about the VPC peering connection
options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
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   "variableName" : "requesterPeeringConnectionOptions",
   "variableType" : "PeeringConnectionOptions",
   "documentation" : "<p>Information about the VPC peering connection options for the requester VPC.</p>",
   "simpleType" : "PeeringConnectionOptions",
   "variableSetterType" : "PeeringConnectionOptions"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyVpcPeeringConnectionOptionsResult",
"unmarshaller" : {
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   "resultWrapper" : null
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"variable" : {

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"variableName" : "modifyVpcPeeringConnectionOptionsResult",
"variableType" : "ModifyVpcPeeringConnectionOptionsResult",
"documentation" : null,
"complexType" : "ModifyVpcPeeringConnectionOptionsResult",
"variableSetterType" : "ModifyVpcPeeringConnectionOptionsResult"
},
"wrapper" : false,

"MonitorInstancesRequest" : {
  "c2jName" : "MonitorInstancesRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for MonitorInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "MonitorInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * One or more instance IDs.
     * @param instanceIds One or more instance IDs.
     * @return Returns a reference to this object so that method calls can be chained together.
     */",
    "fluentSetterMethodName" : "withInstanceIds",
    "getterDocumentation" : "/**
     * One or more instance IDs.
     * @return One or more instance IDs.
     */",
    "getMethodName" : "getInstanceIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  },
  "MonitorInstancesResponse" : {
    "c2jName" : "MonitorInstancesResponse",
    "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false,
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the result of MonitorInstances.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
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      "locationName" : null,
      "requestUri" : "/",
      "target" : null,
      "verb" : "POST",
      "xmlNameSpaceUri" : null
    },
    "members" : {
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      "c2jShape" : "MonitorInstancesResult",
      "deprecated" : false,
      "documentation" : "<p>Contains the result of MonitorInstances.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
       * Contains the result of MonitorInstances.
       * @param monitorInstancesResult The result of MonitorInstances.
       * @return Returns a reference to this object so that method calls can be chained together.
       */",
      "fluentSetterMethodName" : "withMonitorInstancesResult",
      "getterDocumentation" : "/**
       * Returns the result of MonitorInstances.
       * @return The result of MonitorInstances.
       */",
      "getterMethodName" : "getMonitorInstancesResult",
      "getterModel" : {
        "returnType" : "MonitorInstancesResult",
        "documentation" : null
      }
    }
  }
}
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceId",
  "uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
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    "isStreaming": false,
    "location": null,
    "marshallLocationName": "InstanceId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "InstanceId",
    "uri": false
  }
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */
имальMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
"simple" : true,
"varargSetterDocumentation" : "#/\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/**",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.*/
"setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"setterMethodName" : "setInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more instance IDs.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
  @param instanceIds One or more instance IDs.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more instance IDs.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
  },
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceIds" : {
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
    @param instanceIds One or more instance IDs.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceIds",
    "getterDocumentation" : "/**<p>One or more instance IDs.</p>
    @return One or more instance IDs.*/",
    "getterMethodName" : "getInstanceIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
    }
  }
}
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**\nOne or more instance IDs.</p><p>@param instanceIds One or more instance IDs.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"simple" : false,
"varargSetterDocumentation" : "\*/\*\p One or more instance IDs.\p\n\p NOTE: This method appends the values to the existing list (if any). Use {@link #getInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.\p\n\p @param instanceIds One or more instance IDs.\p\n\p @return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "\p One or more instance IDs.\p",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceIds" ],
"shapeName" : "MonitorInstancesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "MonitorInstancesRequest",
"variableName" : "monitorInstancesRequest",
"variableType" : "MonitorInstancesRequest",
"documentation" : null,
"simpleType" : "MonitorInstancesRequest",
"variableSetterType" : "MonitorInstancesRequest"
},
"wrapper" : false
},
"MonitorInstancesResult" : {
"c2jName" : "MonitorInstancesResult",
"customization" : {
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"deprecated" : false,
"documentation" : "\p Contains the output of MonitorInstances.\p",
"enums" : null,
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"hasHeaderMember" : false,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller": null,
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"c2jShape": "InstanceMonitoringList",
"deprecated": false,
"documentation": "The monitoring information.",
"enumType": null,
"fluentSetterDocumentation": "The monitoring information.
@param instanceMonitorings The monitoring information.
@return Returns a reference to this object so that method calls can be chained together.*",
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"getterDocumentation": "The monitoring information.
@return The monitoring information.*",
"getterMethodName": "getInstanceMonitorings",
"getterModel": {

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"documentation": null
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"isStreaming": false,
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"c2jShape": "InstanceMonitoring",
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"getterDocumentation": "",
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"statusCode": false,
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"uri": false
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    "statusCode" : false,
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"setterModel" : {
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    "variableType" : "InstanceMonitoring",
    "documentation" : "",
    "simpleType" : "InstanceMonitoring",
    "variableSetterType" : "InstanceMonitoring"
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    "variableSetterType" : "InstanceMonitoring"
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  "variableType" : "java.util.List<InstanceMonitoring>",
  "documentation" : "",
  "simpleType" : "List<InstanceMonitoring>",
  "variableSetterType" : "java.util.Collection<InstanceMonitoring>"
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@param instanceMonitorings The monitoring information.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "documentation" : "<p>The monitoring information.</p>",
  "simpleType" : "List<InstanceMonitoring>",
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@return The monitoring information.*/",
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  "interfaceType": "java.util.List",
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    "c2jShape": "InstanceMonitoring",
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    "getterDocumentation": "/**\n@return */",
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      "documentation": null
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      "additionalUnmarshallingPath": null,
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      "statusCode": false,
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      "uri": false
    }
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@return Returns a reference to this object so that method calls can be chained together.*/",
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 * @param instanceMonitorings The monitoring information.*\n */",
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"variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The monitoring information.
 * <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {{link #setInstanceMonitorings(java.util.Collection)}} or {{link #withInstanceMonitorings(java.util.Collection)}} if you want to override the existing values.</p>
 * @param instanceMonitorings The monitoring information.
 * @return Returns a reference to this object so that method calls can be chained together.*\n */",
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"variableSetterType" : "MonitorInstancesResult"
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"enums" : null,
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"c2jShape" : "MonitoringState",
"deprecated" : false,
"documentation" : "<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>",
"enumType" : "MonitoringState",
"fluentSetterDocumentation" : "/**<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>\n@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.\n@return Returns a reference to this object so that method calls can be chained together.\n@see MonitoringState*/",
"fluentSetterMethodName" : "withState",
"getDocumentation" : "/**<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>\n@return Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.\n@see MonitoringState*/",
"getMethodName" : "getState",
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"documentation" : null
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"name": "State",
"setterDocumentation": "/**
<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>
@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@see MonitoringState*/",
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"setterModel": {
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>
@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.
@see MonitoringState*/",
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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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"fluentSetterDocumentation" : "/**<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>
@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.
@see MonitoringState*/",
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@return Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@see MonitoringState*/",
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@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.
@see MonitoringState*/",
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"variableType" : "String",
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"returnTypeDocumentation" : "Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@see MonitoringState*/".
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"variableSetterType": "String"
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\n@see MonitoringState*/",
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"required": null,
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"variableType": "Monitoring",
"documentation": null,
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"variableSetterType": "Monitoring"
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"wrapper": false
},
"MonitoringState": {  
"c2jName": "MonitoringState",
"customization": {  
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": ""
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  { "name": "Disabling", "value": "disabling" }, 
  { "name": "Enabled", "value": "enabled" }, 
  { "name": "Pending", "value": "pending" } ],
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"hasStreamingMember": false,
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"required": null,
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"wrapper": false,

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"deprecated": false,
"documentation": "<p>Contains the parameters for MoveAddressToVpc.</p>",
"enums": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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  "locationName": null,
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  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
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"members": [
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    "deprecated": false,
    "documentation": "<p>The Elastic IP address.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@<p>The Elastic IP address.<p/>

@publicIp The Elastic IP address.

@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**
@<p>The Elastic IP address.</p>

@return The Elastic IP address.*/",
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      "documentation": null
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      "isStreaming": false,
      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "publicIp",
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    "list": false,
    "listModel": null,
  }
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
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"setterModel" : {
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  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The Elastic IP address.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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}],
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    "c2jShape" : "String",
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    "documentation" : "<p>The Elastic IP address.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Elastic IP address.</p>
    @param publicIp The Elastic IP address.*/
    @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The Elastic IP address.</p>
    @return The Elastic IP address.*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : {
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      "documentation" : null
    },
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      "greedy" : false,
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"map": false,
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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@param publicIp The Elastic IP address. Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The Elastic IP address.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"documentation" : null,
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"deprecated" : false,
"documentation" : "Contains the output of MoveAddressToVpc."
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"hasPayloadMember" : false,
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"documentation" : "The allocation ID for the Elastic IP address."
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"c2jShape" : "String",
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"c2jShape" : "String",
"deprecated" : false,
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"enums" : null,
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"marshaller" : null,
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The allocation ID for the Elastic IP address."
],
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"documentation" : "The allocation ID for the Elastic IP address."
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"location" : null,
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@return Returns a reference to this object so that method calls can be chained together.</p>",
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  "getterDocumentation" : "/**<p>The status of the move of the IP address.</p>"
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"getterMethodName" : "getStatus",
"getterModel" : {
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  "statusCode" : false,
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  "uri" : false
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"listModel" : null,
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@param status The status of the move of the IP address.
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The status of the move of the IP address.</p>
@param status The status of the move of the IP address.
@return Returns a reference to this object so that method calls can be chained together.
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  "documentation" : "<p>The status of the move of the IP address.</p>",
  "simpleType" : "String"
"variableSetterType" : "String",
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"enumType" : null,
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 * \n * @param allocationId The allocation ID for the Elastic IP address.
 */",
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 * \n * @return The allocation ID for the Elastic IP address.
 */",
"getterMethodName" : "getAllocationId",
"getterModel" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allocationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**\n * The allocation ID for the Elastic IP address.
 * \n * @param allocationId The allocation ID for the Elastic IP address.
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"variableSetterType" : "String"}
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"enumType" : "Status",
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@param
status The status of the move of the IP address.
@return Returns a reference to this object so that method calls can be chained
together.
@see Status*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status of the move of the IP address.</p>
@return The status of the move of the IP address.
@see Status*/",
"getterMethodName" : "getStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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@param status The status of the move of the IP address.
@return Returns a reference to this object so that method calls can be chained together.
@see Status*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The status of the move of the IP address.</p>",
  "simpleType" : "String",
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"xmlNameSpaceUri" : null
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  "variableType" : "MoveAddressToVpcResult",
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  "deprecated" : false,
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  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Elastic IP address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Elastic IP address.</p>
@n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPublicIp",
    "getterDocumentation" : "/**<p>The Elastic IP address.</p>
@n@return The Elastic IP address.*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : {
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      "isPayload" : false,
      "isStreaming" : false,
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"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  8118"
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@return Returns a reference to this object so that method calls can be chained together. 
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@param moveStatus The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.
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  "variableType": "String",
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@param moveStatus The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.
@return Returns a reference to this object so that method calls can be chained together.
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  "simpleType": "String",
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"getterDocumentation": "The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.

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@param moveStatus The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.
@return Returns a reference to this object so that method calls can be chained together.
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  "variableSetterType" : "String"
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    "marshallLocationName" : null,
    "marshallPrefix" : null,
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    "marshallingErrorPath" : null,
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    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
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    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
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    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
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    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
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    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
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    "marshallingTargetClass" : null,
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    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
    "marshallingErrorPath" : null,
    "marshallingParams" : null,
    "marshallingTargetClass" : null,
    "marshallLocationName" : null,
    "marshallPrefix" : null,
    "marshallUnmarshallValue" : null,
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.*/
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "<p>The Elastic IP address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "MovingAddressStatus",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "MovingAddressStatus",
  "variableName" : "movingAddressStatus",
  "variableType" : "MovingAddressStatus",
  "documentation" : null,
"simpleType" : "MovingAddressStatus",
"variableSetterType" : "MovingAddressStatus"
],
"wrapper" : false
},
"NatGateway" : {
"c2jName" : "NatGateway",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
"deprecated" : false,
"documentation" : "<p>Describes a NAT gateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
 "c2jName" : "VpcId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the VPC in which the NAT gateway is located.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the VPC in which the NAT gateway is located.</p>\n@param vpcId The ID of the VPC in which the NAT gateway is located.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withVpcId",
 "getterDocumentation" : "/**<p>The ID of the VPC in which the NAT gateway is located.</p>\n@return The ID of the VPC in which the NAT gateway is located.*/",
 "getterMethodName" : "getVpcId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
}
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC in which the NAT gateway is located.</p>
@param vpcId
@param vpcId The ID of the VPC in which the NAT gateway is located.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC in which the NAT gateway is located.</p>
@param vpcId
@param vpcId The ID of the VPC in which the NAT gateway is located.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC in which the NAT gateway is located.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet in which the NAT gateway is located.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet in which the NAT gateway is located.</p>
@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet in which the NAT gateway is located.</p>
@returns The ID of the subnet in which the NAT gateway is located.*/", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 8125
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet in which the NAT gateway is located.</p>
@param subnetId The ID of the subnet in which the NAT gateway is located.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet in which the NAT gateway is located.</p>
@vararg subnetId The ID of the subnet in which the NAT gateway is located.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet in which the NAT gateway is located.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null,

"c2jName" : "NatGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the NAT gateway.

\n/**
* The ID of the NAT gateway.
* @param natGatewayId The ID of the NAT gateway.
* @return Returns a reference to this object so that method calls can be chained together.
*/
getterMethodName" : "getNatGatewayId",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NatGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "natGatewayId",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "The ID of the NAT gateway.

\n/**
* The ID of the NAT gateway.
* @param natGatewayId The ID of the NAT gateway.
* @return Returns a reference to this object so that method calls can be chained together.
*/
setterMethodName" : "setNatGatewayId",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
The date and time the NAT gateway was created. */

setterMethodName" : "setCreateTime",
"setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "createTime",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the NAT gateway was created.</p>
@param createTime The date and time the NAT gateway was created.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "createTime",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The date and time the NAT gateway was created.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "DeleteTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The date and time the NAT gateway was deleted, if applicable.
"@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>
@param deleteTime The date and time the NAT gateway was deleted, if applicable.
@return Returns a reference to this object so that method calls can be chained together. */",
"getterDocumentation" : "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>
@return The date and time the NAT gateway was deleted, if applicable. */",
"getterMethodName" : "getDeleteTime",
"getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DeleteTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "deleteTime",
"uri": false,
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DeleteTime",
"setterDocumentation": "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>
@param deleteTime The date and time the NAT gateway was deleted, if applicable.</**",
"setterMethodName": "setDeleteTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "deleteTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>
@param deleteTime The date and time the NAT gateway was deleted, if applicable.
@return Returns a reference to this object so that method calls can be chained together.</**",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "deleteTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The date and time the NAT gateway was deleted, if applicable.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
],
"c2jName": "NatGatewayAddresses",
"c2jShape": "NatGatewayAddressList",
"deprecated": false,
"documentation": "<p>Information about the IP addresses and network interface associated with the NAT gateway.</p>",
"enumType": null,
"fluentSetterDocumentation" : "/**<p>Information about the IP addresses and network interface associated with
the NAT gateway.</p>
@param natGatewayAddresses Information about the IP addresses and network interface
associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withNatGatewayAddresses",
"getterDocumentation" : "/**<p>Information about the IP addresses and network interface associated with the
NAT gateway.</p>
@return Information about the IP addresses and network interface associated with the NAT
gateway.*/",
"getterMethodName" : "getNatGatewayAddresses",
"getterModel" : {
"returnType" : "java.util.List<NatGatewayAddress>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayAddressSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGatewayAddressSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "NatGatewayAddress",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "NatGatewayAddress",
"documentation" : null
}.
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "NatGatewayAddress",
  "variableName": "member",
  "variableType": "NatGatewayAddress",
  "documentation": "",
  "simpleType": "NatGatewayAddress",
  "variableSetterType": "NatGatewayAddress"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/*",
"variable": {
  "variableDeclarationType": "NatGatewayAddress",
  "variableName": "member",
  "variableType": "NatGatewayAddress",
  "documentation": "",
  "simpleType": "NatGatewayAddress",
  "variableSetterType": "NatGatewayAddress"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "NatGatewayAddress",
"map": false,
"marshallNonAuto ConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NatGatewayAddress",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
"templateType" : "java.util.List<NatGatewayAddress>"}

"map" : false,
"mapModel" : null,
"name" : "NatGatewayAddresses",
"setterDocumentation" : "/** Information about the IP addresses and network interface associated with the NAT gateway.*/
@param natGatewayAddresses Information about the IP addresses and network interface associated with the NAT gateway.
*/",
"setterMethodName" : "setNatGatewayAddresses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
    "variableName" : "natGatewayAddresses",
    "variableType" : "java.util.List<NatGatewayAddress>",
    "documentation" : "",
    "simpleType" : "List<NatGatewayAddress>",
    "variableSetterType" : "java.util.Collection<NatGatewayAddress>",
    "simple" : false,
    "varargSetterDocumentation" : "/** Information about the IP addresses and network interface associated with the NAT gateway.*/
@param natGatewayAddresses Information about the IP addresses and network interface associated with the NAT gateway.
*/
@param natGatewayAddresses Information about the IP addresses and network interface associated with the NAT gateway.
*/
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
    "variableName" : "natGatewayAddresses",
    "variableType" : "java.util.List<NatGatewayAddress>",
    "documentation" : "Information about the IP addresses and network interface associated with the NAT gateway.
*/
",
    "simpleType" : "List<NatGatewayAddress>",
    "variableSetterType" : "java.util.Collection<NatGatewayAddress>",
    "simple" : false,
    "varargSetterDocumentation" : "/** Information about the IP addresses and network interface associated with the NAT gateway.
*/
@param natGatewayAddresses Information about the IP addresses and network interface associated with the NAT gateway.
*/
",
    "xmlNameSpaceUri" : null,
}
"c2jName" : "State",
"c2jShape" : "NatGatewayState",
"deprecated" : false,
"documentation" : "<p>The state of the NAT gateway. <ul>
<li>
</li>
</ul>
<p>pending</p>: The NAT gateway is being created and is not ready to process traffic. <p>
</p>

<li>
</li>
</ul>
<p>failed</p>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>errorMessage</code> fields for the reason. <p>
</p>

<li>
</li>
</ul>
<p>available</p>: The NAT gateway is able to process traffic. This status
remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. 

```<code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </li>
<li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </li>
<li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </li>
<li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic. </li>
<li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </li>
</ul>

### fluentlySetterDocumentation

```
"fluentSetterDocumentation" : "/**<p>The state of the NAT gateway.
<ul>
<li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.
</li>
<li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.
</li>
<li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.
</li>
<li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.
</li>
<li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.
</li>
</ul>

@see NatGatewayState*/",
```

### fluentSetterMethodName

```
"fluentSetterMethodName" : "withState",
```

### returnType

```
"getterDocumentation" : "/**<p>The state of the NAT gateway.
<ul>
<li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.
</li>
<li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.
</li>
<li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.
</li>
<li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.
</li>
<li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.
</li>
</ul>

@see NatGatewayState*/",
```

### getMethodname

```
"getMethodName" : "getState",
```

### getMethodModel

```
"getDocumentation" : "/**<p>The state of the NAT gateway.
<ul>
<li> <p> 
```
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
```

---

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  8134
The state of the NAT gateway.

The NAT gateway is being created and is not ready to process traffic. The NAT gateway could not be created. Check the `failureCode` and `failureMessage` fields for the reason. The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. The NAT gateway is in the process of being terminated and may still be processing traffic. The NAT gateway has been terminated and is no longer processing traffic. The NAT gateway is being created and is not ready to process traffic. The NAT gateway could not be created. Check the `failureCode` and `failureMessage` fields for the reason. The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. The NAT gateway is in the process of being terminated and may still be processing traffic. The NAT gateway has been terminated and is no longer processing traffic. The state of the NAT gateway.

The state of the NAT gateway.

The NAT gateway is being created and is not ready to process traffic. The NAT gateway could not be created. Check the `failureCode` and `failureMessage` fields for the reason. The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. The NAT gateway is in the process of being terminated and may still be processing traffic. The NAT gateway has been terminated and is no longer processing traffic.
has been terminated and is no longer processing traffic.</p>
</li>
<li><p><code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</p>
</li>
<li><p><code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</p>
</li>
<li><p><code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</p>
</li>
<li><p><code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</p>
</li>
<li><p><code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</p>
</li>

@return Returns a reference to this object so that method calls can be chained together.

@see NatGatewayState*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "The state of the NAT gateway.

  - <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.
  - <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.
  - <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.
  - <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.
  - <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "FailureCode",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "If the NAT gateway could not be created, specifies the error code for the failure.

- <code>InsufficientFreeAddressesInSubnet</code>
- <code>Gateway.NotAttached</code>
- <code>InvalidAllocationID.NotFound</code>
- <code>Resource.AlreadyAssociated</code>
- <code>InternalError</code>
- <code>InvalidSubnetID.NotFound</code>

"enumType" : null,
"fluentSetterDocumentation" : "If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

"fluentSetterMethodName" : "withFailureCode",
"getterDocumentation" : "If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.

"getterMethodName" : "getFailureCode";
If the NAT gateway could not be created, specifies the error code for the failure. (code)InsufficientFreeAddressesInSubnet(code) | codeGateway.NotAttached(code) | codeInvalidAllocationID.NotFound(code) | codeResource.AlreadyAssociated(code) | codeInternalError(code) |

/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (code)InsufficientFreeAddressesInSubnet(code) | codeGateway.NotAttached(code) | codeInvalidAllocationID.NotFound(code) | codeResource.AlreadyAssociated(code) | codeInternalError(code) */

getterMethodName" : "getFailureCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FailureCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "failureCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FailureCode",
"setterDocumentation" : /*p> If the NAT gateway could not be created, specifies the error code for the failure. (code)InsufficientFreeAddressesInSubnet(code) | codeGateway.NotAttached(code) | codeInvalidAllocationID.NotFound(code) | codeResource.AlreadyAssociated(code) | codeInternalError(code) */

setterMethodName" : "setFailureCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "failureCode",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>\n@param failureCode If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "failureCode",
  "variableType": "String",
  "documentation": "<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>",
  "simpleType": "String",
  "variableSetterType": "String",
  "xmlNameSpaceUri": null,
},
"c2jName": "FailureMessage",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p>\n<ul> <li><p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p></li> <li><p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p></li> <li><p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p></li> <li><p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p></li> <li><p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p></li> <li><p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p></li> 
"enumType": null,
"fluentSetterDocumentation": "/**<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p>\n<ul> <li><p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p></li> <li><p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p></li> <li><p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p></li> <li><p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p></li> <li><p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p></li> <li><p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p></li> 
"@param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.*/"."
attached."</p> 
<li><p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway."</p> 
<li><p>For Gateway.NotAttached: "Network vpc-xxxxx has no Internet gateway attached."</p> 
<li><p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxx could not be associated with this NAT gateway."</p> 
<li><p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxx is already associated."</p> 
<li><p>For InternalError: "Network interface eni-xxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> 
<li><p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxx does not exist or could not be found."</p> 
</li>

```java
@<p>@return Returns a reference to this object so that method calls can be chained together.*"/

"getterDocumentation" : "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FailureMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "failureMessage",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null
```
"map" : false,
"mapModel" : null,
"name" : "FailureMessage",
"setterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p><ul><li>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</li><li>For Gateway.NotAttached: "Network vpc-xxxxxxx has no Internet gateway attached"</li><li>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway"</li><li>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxx is already associated"</li><li>For InternalError: "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</li><li>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxx does not exist or could not be found."</li></ul>\param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.*/",
"setterMethodName" : "setFailureMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "failureMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p><ul><li>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</li><li>For Gateway.NotAttached: "Network vpc-xxxxxxx has no Internet gateway attached"</li><li>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway"</li><li>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxx is already associated"</li><li>For InternalError: "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</li><li>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxx does not exist or could not be found."</li></ul>\param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.*/"
"simpleType" : "ProvisionedBandwidth",
"variableSetterType" : "ProvisionedBandwidth",
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"CreateTime" : {
"c2jName" : "CreateTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date and time the NAT gateway was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time the NAT gateway was created.</p>
@param createTime The date and time the NAT gateway was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateTime",
"getterDocumentation" : "/**<p>The date and time the NAT gateway was created.</p>
@return The date and time the NAT gateway was created.*/",
"getterMethodName" : "getCreateTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CreateTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The date and time the NAT gateway was created.</p>
@param createTime The date and time the NAT gateway was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param createTime The date and time the NAT gateway was created.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The date and time the NAT gateway was created.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"DeleteTime" : {
  "c2jName" : "DeleteTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The date and time the NAT gateway was deleted, if applicable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param deleteTime The date and time the NAT gateway was deleted, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDeleteTime",
  "getterDocumentation" : "/**\n@return The date and time the NAT gateway was deleted, if applicable.*/",
  "getterMethodName" : "getDeleteTime",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DeleteTime",
    "marshallLocationName" : null,
    "location" : null,
    "marshallLocationName" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DeleteTime",
    "marshallLocationName" : null,
    "location" : null,
    "marshallLocationName" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : null
  }
}
The date and time the NAT gateway was deleted, if applicable.

Returns a reference to this object so that method calls can be chained together.

If the NAT gateway could not be created, specifies the error code for the failure.

If the NAT gateway could not be created, specifies the error code for the failure.
**FailureCode**

- **getterDocumentation**: "If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)*

```
public FailureCode getFailureCode()
```

- **getterMethodName**: "getFailureCode"

- **getterModel**: {
  "returnType" : "String",
  "documentation" : null
}

- **http**: {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FailureCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "failureCode",
  "uri" : false
},

- **idempotencyToken**: false
- **list**: false
- **listModel**: null
- **map** : false
- **mapModel** : null
- **name**: "FailureCode",

- **setterDocumentation**: "If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)*

```
public void setFailureCode(String failureCode)
```

- **fluentSetterMethodName**: "withFailureCode"

If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)

@returns Returns a reference to this object so that method calls can be chained together.*"
"setterMethodName" : "setFailureCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "failureCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\* If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)
@param failureCode If the NAT gateway could not be created, specifies the error code for the failure.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "failureCode",
  "variableType" : "String",
  "documentation" : "If the NAT gateway could not be created, specifies the error code for the failure.
(InsufficientFreeAddressesInSubnet | Gateway.NotAttached | InvalidAllocationID.NotFound | Resource.AlreadyAssociated | InternalError | InvalidSubnetID.NotFound)
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FailureMessage" : {
  "c2jName" : "FailureMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.
For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway."
For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached."
For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway."
For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated."
For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\* If the NAT gateway could not be created, specifies the error message
for the failure, that corresponds to the error code.

For InsufficientFreeAddressesInSubnet:
- "Subnet has insufficient free addresses to create this NAT gateway."
- "Network vpc-xxxxxx has no Internet gateway attached."
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx does not exist or could not be found."

For Gateway.NotAttached:
- "Network vpc-xxxxxx has no Internet gateway attached."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network vpc-xxxxxx has no Internet gateway attached."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx does not exist or could not be found."

For InvalidAllocationID.NotFound:
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."

For Resource.AlreadyAssociated:
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."

For InternalError:
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."

For InvalidSubnetID.NotFound:
- "The specified subnet subnet-xxxxxxx does not exist or could not be found."

The specified subnet subnet-xxxxxxx does not exist or could not be found.

If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.

For InsufficientFreeAddressesInSubnet:
- "Subnet has insufficient free addresses to create this NAT gateway."
- "Network vpc-xxxxxx has no Internet gateway attached."
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx does not exist or could not be found."

For Gateway.NotAttached:
- "Network vpc-xxxxxx has no Internet gateway attached."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network vpc-xxxxxx has no Internet gateway attached."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx does not exist or could not be found."

For InvalidAllocationID.NotFound:
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- "Elastic IP address eipalloc-xxxxxxx is already associated."

For Resource.AlreadyAssociated:
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Elastic IP address eipalloc-xxxxxxx is already associated."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."

For InternalError:
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
- "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."

For InvalidSubnetID.NotFound:
- "The specified subnet subnet-xxxxxxx does not exist or could not be found."

The specified subnet subnet-xxxxxxx does not exist or could not be found.
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FailureMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "failureMessage",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FailureMessage",
"setterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p>

\"Subnet has insufficient free addresses to create this NAT gateway\"</li>
\<li> For Gateway.NotAttached: \"Network vpc-xxxxxxxx has no Internet gateway attached\"</li>
\<li> For InvalidAllocationID.NotFound: \"Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway\"</li>
\<li> For Resource.AlreadyAssociated: \"Elastic IP address eipalloc-xxxxxxx is already associated\"</li>
\<li> For InternalError: \"Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"</li>
\<li> For InvalidSubnetID.NotFound: \"The specified subnet subnet-xxxxxxx does not exist or could not be found.\"</li>
\<li> @param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.

\</li>
\<li> \</li>
\<li> For InsufficientFreeAddressesInSubnet: \"Subnet has insufficient free addresses to create this NAT gateway\"</li>
\<li> For Gateway.NotAttached: \"Network vpc-xxxxxxxx has no Internet gateway attached\"</li>
\<li> For InvalidAllocationID.NotFound: \"Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway\"</li>
\<li> For Resource.AlreadyAssociated: \"Elastic IP address eipalloc-xxxxxxx is already associated\"</li>
\<li> For InternalError: \"Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"</li>
\<li> For InvalidSubnetID.NotFound: \"The specified subnet subnet-xxxxxxx does not exist or could not be found.\"</li>
\</li>
*/",
"setterMethodName" : "setFailureMessage",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "failureMessage",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p>

\"Subnet has insufficient free addresses to create this NAT gateway\"</li>
\<li> For Gateway.NotAttached: \"Network vpc-xxxxxxxx has no Internet gateway attached\"</li>
\<li> For InvalidAllocationID.NotFound: \"Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway\"</li>
\<li> For Resource.AlreadyAssociated: \"Elastic IP address eipalloc-xxxxxxx is already associated\"</li>
\<li> For InternalError: \"Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"</li>
\<li> For InvalidSubnetID.NotFound: \"The specified subnet subnet-xxxxxxx does not exist or could not be found.\"</li>
\</li>
*/"
InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</li> <li> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p> </li> <ul>
<li> <p>For Gateway.NotAttached: "Network vpc-xxxxx has no Internet gateway attached."</p> </li> <li> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxx could not be associated with this NAT gateway."</p> </li> <li> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxx is already associated."</p> </li> <li> <p>For InternalError: "Network interface eni-xxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> </li> <li> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxx does not exist or could not be found."</p> 

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "failureMessage",
    "variableType" : "String",
    "documentation" : "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.

For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway."
For Gateway.NotAttached: "Network vpc-xxxxx has no Internet gateway attached."
For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxx could not be associated with this NAT gateway."
For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxx is already associated."
For InternalError: "Network interface eni-xxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."
For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxx does not exist or could not be found."

@return Returns a reference to this object so that method calls can be chained together.*/

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"NatGatewayAddresses" : {
    "c2jName" : "NatGatewayAddresses",
    "c2jShape" : "NatGatewayAddressList",
    "deprecated" : false,
    "documentation" : "Information about the IP addresses and network interface associated with the NAT gateway.

@enumType : null,
"fluentSetterDocumentation" : "Information about the IP addresses and network interface associated with the NAT gateway.

@getterDocumentation" : "Information about the IP addresses and network interface associated with the NAT gateway.

@getterMethodName" : "getNatGatewayAddresses",
"getterModel" : {
    "returnType" : "java.util.List<NatGatewayAddress>
"},

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"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "NatGatewayAddress",
  "variableName": "member",
  "variableType": "NatGatewayAddress",
  "documentation": "",
  "simpleType": "NatGatewayAddress",
  "variableSetterType": "NatGatewayAddress"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "NatGatewayAddress",
  "variableName": "member",
  "variableType": "NatGatewayAddress",
  "documentation": "",
  "simpleType": "NatGatewayAddress",
  "variableSetterType": "NatGatewayAddress"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "NatGatewayAddress",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "NatGatewayAddress",
"templateImplType": "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
"templateType": "java.util.List<NatGatewayAddress>"
],
"map": false,
"mapModel": null,
"name": "NatGatewayAddresses",
"setterDocumentation" : "/**<p>Information about the IP addresses and network interface associated with the
NAT gateway.</p>
@param natGatewayAddresses Information about the IP addresses and network interface
associated with the NAT gateway.*/",
"setterMethodName" : "setNatGatewayAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
  "variableName" : "natGatewayAddresses",
  "variableType" : "java.util.List<NatGatewayAddress>",
  "documentation" : "",
  "simpleType" : "List<NatGatewayAddress>",
  "variableSetterType" : "java.util.Collection<NatGatewayAddress>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IP addresses and network interface associated
with the NAT gateway.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
{@link #setNatGatewayAddresses(java.util.Collection)} or {@link
#withNatGatewayAddresses(java.util.Collection)} if you want to override the existing values.</p>
@param natGatewayAddresses Information about the IP addresses and network interface associated with the NAT
gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
  "variableName" : "natGatewayAddresses",
  "variableType" : "java.util.List<NatGatewayAddress>",
  "documentation" : "Information about the IP addresses and network interface associated with the NAT
gateway.
",
  "simpleType" : "List<NatGatewayAddress>",
  "variableSetterType" : "java.util.Collection<NatGatewayAddress>"
},
"xmlNameSpaceUri" : null
},
"NatGatewayId" : {
  "c2jName" : "NatGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the NAT gateway.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNatGatewayId",
  "getterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@return The ID of the NAT gateway.*/",
  "getterMethodName" : "getNatGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NatGatewayId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "natGatewayId",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NatGatewayId",
"setterDocumentation": "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.*/",
"setterMethodName": "setNatGatewayId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "natGatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "natGatewayId",
  "variableType": "String",
  "documentation": "<p>The ID of the NAT gateway.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"ProvisionedBandwidth": {
  "c2jName": "ProvisionedBandwidth",
  "c2jShape": "ProvisionedBandwidth",
  "deprecated": false,
  "documentation": "<p>Reserved. If you need to sustain traffic greater than the documented limits</p>"}
contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>

"enumType" : null,


@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.

@returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withProvisionedBandwidth",

"getterDocumentation" : "/**\* Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>\*/

@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/

"getterMethodName" : "getProvisionedBandwidth",

"getterModel" : {
  "returnType" : "ProvisionedBandwidth",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProvisionedBandwidth",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "provisionedBandwidth",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ProvisionedBandwidth",

"setterDocumentation" : "/**\* Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>\*/

@returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setProvisionedBandwidth",

"setterModel" : {
  "returnType" : "ProvisionedBandwidth",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProvisionedBandwidth",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "provisionedBandwidth",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ProvisionedBandwidth",

"setterDocumentation" : "/**\* Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>\*/

@returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setProvisionedBandwidth",

"setterModel" : {
  "returnType" : "ProvisionedBandwidth",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProvisionedBandwidth",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "provisionedBandwidth",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,
"setterMethodName": "setProvisionedBandwidth",
"setterModel": {
    "variableDeclarationType": "ProvisionedBandwidth",
    "variableName": "provisionedBandwidth",
    "variableType": "ProvisionedBandwidth",
    "documentation": "",
    "simpleType": "ProvisionedBandwidth",
    "variableSetterType": "ProvisionedBandwidth"
},
"simple": false,
"varargSetterDocumentation": "/**\p>Reserved. If you need to sustain traffic greater than the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.
\p>\param provisionedBandwidth Reserved. If you need to sustain traffic greater than the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\p>
\p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "ProvisionedBandwidth",
    "variableName": "provisionedBandwidth",
    "variableType": "ProvisionedBandwidth",
    "documentation": "Reserved. If you need to sustain traffic greater than the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.",
    "simpleType": "ProvisionedBandwidth",
    "variableSetterType": "ProvisionedBandwidth"
},
"xmlNameSpaceUri": null
},
"State": {
    "c2jName": "State",
    "c2jShape": "NatGatewayState",
    "deprecated": false,
    "documentation": "The state of the NAT gateway.\p>\ul\li> pending: The NAT gateway is being created and is not ready to process traffic.\p>\li> failed: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.\p>\li> available: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.\p>\li> deleting: The NAT gateway is in the process of being terminated and may still be processing traffic.\p>\li> deleted: The NAT gateway has been terminated and is no longer processing traffic.\p>\li> enumType": "NatGatewayState",
    "fluentSetterDocumentation": "The state of the NAT gateway.\p>\ul\li> pending: The NAT gateway is being created and is not ready to process traffic.\p>\li> failed: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.\p>\li> available: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.\p>\li> deleting: The NAT gateway is in the process of
being terminated and may still be processing traffic.</li>
<li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>
<p>The state of the NAT gateway.</p>
</li> <li> <code>p</code> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>
</li> 
</ul>

\@param state The state of the NAT gateway.

\ul '\li '\li '\li <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>

\@return Returns a reference to this object so that method calls can be chained together.

\@see NatGatewayState*/

"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>

\@return The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>

\@return Returns a reference to this object so that method calls can be chained together.

\@see NatGatewayState*/

"idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "State",
"setterDocumentation": "/**<p>The state of the NAT gateway.</p> <ul>
<li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>
@param state The state of the NAT gateway.</p> <ul>
<li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together.
@see NatGatewayState*/",
"setterMethodName": "setState",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "state",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The state of the NAT gateway.</p> <ul>
<li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>
@param state The state of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.
@see NatGatewayState*/";"
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The state of the NAT gateway.</p>
<li><p><code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</p></li>
<li><p><code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</p></li>
<li><p><code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</p></li>
<li><p><code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</p></li>
<li><p><code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</p></li>"},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet in which the NAT gateway is located.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet in which the NAT gateway is located.</p>
@param subnetId The ID of the subnet in which the NAT gateway is located.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet in which the NAT gateway is located.</p>
@return The ID of the subnet in which the NAT gateway is located.*/",
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"getterModel" : {
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"documentation" : null
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  "documentation" : "",
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  "variableSetterType" : "String"
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@param subnetId The ID of the subnet in which the NAT gateway is located.<\n>@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "deprecated" : false,
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC in which the NAT gateway is located.</p>
@param vpcId The ID of the VPC in which the NAT gateway is located.<\n>@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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@param vpcId The ID of the VPC in which the NAT gateway is located.<\n>@return The ID of the VPC in which the NAT gateway is located.*\n*/",
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    "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "NatGateway",
  "documentation" : null,
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  "variableSetterType" : "NatGateway"
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    "documentation" : "$<p>The Elastic IP address associated with the NAT gateway.</p>\$",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Elastic IP address associated with the NAT gateway.</p>\n@returns Returns a reference to this object so that method calls can be chained together.</returns>\*/",
    "fluentSetterMethodName" : "withPublicIp",
    "getterDocumentation" : "/**<p>The Elastic IP address associated with the NAT gateway.</p>\n@returns The Elastic IP address associated with the NAT gateway.</returns>\*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : 
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@param publicIp The Elastic IP address associated with the NAT gateway.</p>*/
@param publicIp The Elastic IP address associated with the NAT gateway.*/
@return Returns a reference to this object so that method calls can be chained together.*/

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@return Returns a reference to this object so that method calls can be chained together.*/

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@return The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>/",
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"getterDocumentation" : "/**<p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>
@return The allocation ID of the Elastic IP address that's associated with the NAT gateway.
*/",
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"documentation" : null
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@param allocationId The allocation ID of the Elastic IP address that's associated with the NAT
gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The private IP address associated with the Elastic IP address.</p>

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@return Returns a reference to this object so that method calls can be chained together.*/",
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\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param networkInterfaceId The ID of the network interface associated with the NAT gateway.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param allocationId The ID of the allocation associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The allocation ID of the Elastic IP address that's associated with the NAT gateway.*/",
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gateway. */\n\n@param networkInterfaceId The ID of the network interface associated with the NAT
gateway.\n@return Returns a reference to this object so that method calls can be chained together. */",
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gateway. */",
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  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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  "documentation" : "The private IP address associated with the Elastic IP address.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* The private IP address associated with the Elastic IP address.\n* @param privateIp The private IP address associated with the Elastic IP address.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**\n* The private IP address associated with the Elastic IP address.\n* @return The private IP address associated with the Elastic IP address.*/",
  "getterMethodName" : "getPrivateIp",
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    "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPublicIp",
"getterDocumentation" : "/**<p>The Elastic IP address associated with the NAT gateway.</p>
@return The Elastic IP address associated with the NAT gateway.*/",
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  "statusCode" : false,
  "unmarshallLocationName" : "publicIp",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**<p>The Elastic IP address associated with the NAT gateway.</p>
@param publicIp The Elastic IP address associated with the NAT gateway.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"simple" : true,
"varargSetterDocumentation" : "<p>The Elastic IP address associated with the NAT gateway.</p>

@method

@arg publicIp The Elastic IP address associated with the NAT gateway.

@returns


*/

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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}
},
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"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "NatGatewayAddress",
"unmarshaller" : {
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"resultWrapper" : null
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"variable" : {
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"variableName" : "natGatewayAddress",
"variableType" : "NatGatewayAddress",
"documentation" : null,
"simpleType" : "NatGatewayAddress",
"variableSetterType" : "NatGatewayAddress"
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"NatGatewayState" : {
"c2jName" : "NatGatewayState",
"customization" : {
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "",
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"value" : "pending"
}, {
"name" : "Failed",
"value" : "failed"
}]
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  "value" : "available"
}, {
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  "value" : "deleted"
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NatGatewayState",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "natGatewayState",
  "variableType" : "NatGatewayState",
  "documentation" : null,
  "simpleType" : "NatGatewayState",
  "variableSetterType" : "NatGatewayState"
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"wrapper" : false
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"NetworkAcl" : {
  "c2jName" : "NetworkAcl",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a network ACL.</p>",
  "enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ {
  "c2jName" : "NetworkAclId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network ACL.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>@param networkAclId The ID of the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkAclId",
  "getterDocumentation" : "/**<p>The ID of the network ACL.</p>@return The ID of the network ACL.*/",
  "getterMethodName" : "getNetworkAclId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkAclId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkAclId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkAclId",
  "setterDocumentation" : "/**<p>The ID of the network ACL.</p>@param networkAclId The ID of the network ACL.*/",
  "setterMethodName" : "setNetworkAclId",
  "setterModel" : {
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    "variableName" : "networkAclId",
    "variableType" : "String"
  }
}];
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of the network ACL.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for the network ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC for the network ACL.</p>
@param vpcId The ID of the VPC for the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC for the network ACL.</p>
@return The ID of the VPC for the network ACL.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC for the network ACL.\n@param vpcId The ID of the VPC for the network ACL.*/",
"setterMethodName": "setVpcId",
"setterModel": {
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  "variableName": "vpcId",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC for the network ACL.\n@param vpcId The ID of the VPC for the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC for the network ACL.</p>
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "IsDefault",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether this is the default network ACL for the VPC.</p>
"simple": false,
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether this is the default network ACL for the VPC.</p>
\n@param isDefault Indicates whether this is the default network ACL for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIsDefault",
"getterDocumentation": "/**<p>Indicates whether this is the default network ACL for the VPC.</p>
\n@return Indicates whether this is the default network ACL for the VPC.*/",
"getterMethodName": "getIsDefault",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Default",
  "queryString": false,
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  "unmarshallLocationName": "default",
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IsDefault",
"setterDocumentation": "/**<p>Indicates whether this is the default network ACL for the VPC.</p><p>@param isDefault Indicates whether this is the default network ACL for the VPC.</p>*/",
"setterMethodName": "setIsDefault",
"setterModel": {
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  "variableName": "isDefault",
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  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether this is the default network ACL for the VPC.</p><p>@param isDefault Indicates whether this is the default network ACL for the VPC.</p>*/",
"variable": {
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  "simpleType": "Boolean",
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"c2jName": "Entries",
"c2jShape": "NetworkAclEntryList"
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  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "NetworkAclEntry",
  "variableName": "member",
  "variableType": "NetworkAclEntry",
  "documentation": "",
  "simpleType": "NetworkAclEntry",
  "variableSetterType": "NetworkAclEntry"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "NetworkAclEntry",
  "variableName": "member",
  "variableType": "NetworkAclEntry",
  "documentation": "",
  "simpleType": "NetworkAclEntry",
  "variableSetterType": "NetworkAclEntry"
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"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "NetworkAclEntry",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkAclEntry",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
"templateType" : "java.util.List<NetworkAclEntry>"
},
"map" : false,
"mapModel" : null,
"name" : "Entries",
"setterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.</p>
@param entries One or more entries (rules) in the network ACL.*/",
"setterMethodName" : "setEntries",
"setterModel" : {
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  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.</p>
@param entries One or more entries (rules) in the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "One or more entries (rules) in the network ACL.",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"xmlNameSpaceUri" : null,
],
"c2jName" : "Associations",
"c2jShape" : "NetworkAclAssociationList",
"deprecated" : false,
"documentation" : "Any associations between the network ACL and one or more subnets",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets</p>
@param associations Any associations between the network ACL and one or more subnets
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociations",
"name" : "Entries",
"setterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.</p>
@param entries One or more entries (rules) in the network ACL.*/",
"setterMethodName" : "setEntries",
"setterModel" : {
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  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.
@param entries One or more entries (rules) in the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "One or more entries (rules) in the network ACL.",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
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"xmlNameSpaceUri" : null,
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"c2jName" : "Associations",
"c2jShape" : "NetworkAclAssociationList",
"deprecated" : false,
"documentation" : "Any associations between the network ACL and one or more subnets",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets
@param associations Any associations between the network ACL and one or more subnets
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociations",
"name" : "Entries",
"setterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.</p>
@param entries One or more entries (rules) in the network ACL.*/",
"setterMethodName" : "setEntries",
"setterModel" : {
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  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.
@param entries One or more entries (rules) in the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "One or more entries (rules) in the network ACL.",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"xmlNameSpaceUri" : null,
],
"c2jName" : "Associations",
"c2jShape" : "NetworkAclAssociationList",
"deprecated" : false,
"documentation" : "Any associations between the network ACL and one or more subnets",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets
@param associations Any associations between the network ACL and one or more subnets
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociations",
"name" : "Entries",
"setterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.
@param entries One or more entries (rules) in the network ACL.*/",
"setterMethodName" : "setEntries",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.
@param entries One or more entries (rules) in the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "One or more entries (rules) in the network ACL.",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"xmlNameSpaceUri" : null,
],
"c2jName" : "Associations",
"c2jShape" : "NetworkAclAssociationList",
"deprecated" : false,
"documentation" : "Any associations between the network ACL and one or more subnets",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets
@param associations Any associations between the network ACL and one or more subnets
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociations",
"name" : "Entries",
"setterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.
@param entries One or more entries (rules) in the network ACL.*/",
"setterMethodName" : "setEntries",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.
@param entries One or more entries (rules) in the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "One or more entries (rules) in the network ACL.",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"xmlNameSpaceUri" : null,
"getterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets</p>@return Any associations between the network ACL and one or more subnets*/",
"getterMethodName" : "getAssociations",
"getterModel" : {
   "returnType" : "java.util.List<NetworkAclAssociation>",
   "documentation" : null
},
"http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : false,
   "marshallLocationName" : "AssociationSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "associationSet",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "NetworkAclAssociation",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
   "returnType" : "NetworkAclAssociation",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NetworkAclAssociation",
  "variableName" : "member",
  "variableType" : "NetworkAclAssociation",
  "documentation" : "",
  "simpleType" : "NetworkAclAssociation",
  "variableSetterType" : "NetworkAclAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "NetworkAclAssociation",
  "variableName" : "member",
  "variableType" : "NetworkAclAssociation",
  "documentation" : "",
  "simpleType" : "NetworkAclAssociation",
  "variableSetterType" : "NetworkAclAssociation"
},
"xmlNameSpaceUri" : null
},

"memberLocationName" : "item",
"memberType" : "NetworkAclAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkAclAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkAclAssociation>"
"templateType" : "java.util.List<NetworkAclAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "Associations",
"setterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets</p>
@param associations Any associations between the network ACL and one or more subnets*/",
"setterMethodName" : "setAssociations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclAssociation>",
  "variableName" : "associations",
  "variableType" : "java.util.List<NetworkAclAssociation>",
  "documentation" : "",
  "simpleType" : "List<NetworkAclAssociation>",
  "variableSetterType" : "java.util.Collection<NetworkAclAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets</p>
\n\n\n@NOTE:<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAssociations(java.util.Collection)} or {@link #withAssociations(java.util.Collection)} if you want to override the existing values.</p>
@param associations Any associations between the network ACL and one or more subnets
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclAssociation>",
  "variableName" : "associations",
  "variableType" : "java.util.List<NetworkAclAssociation>",
  "documentation" : "Any associations between the network ACL and one or more subnets",
  "simpleType" : "List<NetworkAclAssociation>",
  "variableSetterType" : "java.util.Collection<NetworkAclAssociation>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the network ACL. */",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the network ACL.</p>
@param tags Any tags assigned to the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the network ACL.</p>
\n\n\n@return Any tags assigned to the network ACL.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
}.
"http": {  
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  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "TagSet",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "TagSet",  
  "uri": false  
},  
"idempotencyToken": false,  
"list": true,  
"listModel": {  
  "implType": "com.amazonaws.internal.SdkInternalList",  
  "interfaceType": "java.util.List",  
  "listMemberModel": {  
    "c2jName": "member",  
    "c2jShape": "Tag",  
    "deprecated": false,  
    "documentation": "",  
    "enumType": null,  
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/
     */
    
    "fluentSetterMethodName": "withMember",  
    "getterDocumentation": "/**\n    @return\n    */
    
    "getterMethodName": "getMember",  
    "getterModel": {  
      "returnType": "Tag",  
      "documentation": null  
    },  
  }  
},  
"http": {  
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  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "Item",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "item",  
}
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>",
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>Any tags assigned to the network ACL.</p>*/
@param tags Any tags assigned to the network ACL.
*/"
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
  * Any tags assigned to the network ACL.
  */
  
  **NOTE:** This method appends the values to the existing list (if any). Use [@link setTags(java.util.Collection)] or [@link withTags(java.util.Collection)] if you want to override the existing values.
  
  @param tags Any tags assigned to the network ACL.
  @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the network ACL.
  
  Any associations between the network ACL and one or more subnets",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
  * Any associations between the network ACL and one or more subnets
  */
  
  @param associations Any associations between the network ACL and one or more subnets
  @return Returns a reference to this object so that method calls can be chained together. */",
  "getterDocumentation" : "/**
  * Any associations between the network ACL and one or more subnets
  */
  
  @return Any associations between the network ACL and one or more subnets
  
  @getterMethodName" : "getAssociations",
  "getterModel" : {
    "returnType" : "java.util.List<NetworkAclAssociation>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "NetworkAclAssociation",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "NetworkAclAssociation",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NetworkAclAssociation",
  "variableName" : "member",
  "variableType" : "NetworkAclAssociation",
  "documentation" : "",
  "simpleType" : "NetworkAclAssociation",
  "variableSetterType" : "NetworkAclAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkAclAssociation",
  "variableName" : "member",
  "variableType" : "NetworkAclAssociation",
  "documentation" : "",
  "simpleType" : "NetworkAclAssociation",
  "variableSetterType" : "NetworkAclAssociation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkAclAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkAclAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkAclAssociation>",
"templateType" : "java.util.List<NetworkAclAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "Associations",
"setterDocumentation" : "/**<p>Any associations between the network ACL and one or more subnets</p> <p>@param associations Any associations between the network ACL and one or more subnets</p>*/",
"setterMethodName" : "setAssociations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclAssociation>",
  "variableName" : "associations",
  "variableType" : "associations",
  "documentation" : "",
  "simpleType" : "NetworkAclAssociation",
  "variableSetterType" : "NetworkAclAssociation"
}
"simpleType" : "List<NetworkAclAssociation>",
"variableSetterType" : "java.util.Collection<NetworkAclAssociation>",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclAssociation>",
  "variableName" : "associations",
  "variableType" : "java.util.List<NetworkAclAssociation>",
  "documentation" : "Any associations between the network ACL and one or more subnets.\n\n**NOTE:** This method appends the values to the existing list (if any). Use \{ @link #setAssociations(java.util.Collection) \} or \{ @link #withAssociations(java.util.Collection) \} if you want to override the existing values.\n\n@param associations Any associations between the network ACL and one or more subnets\n\n@returns A reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "java.util.Collection<NetworkAclAssociation>",
  "xmlNameSpaceUri" : null
},
"Entries" : {
  "c2jName" : "Entries",
  "c2jShape" : "NetworkAclEntryList",
  "deprecated" : false,
  "documentation" : "One or more entries (rules) in the network ACL.\n\n@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "One or more entries (rules) in the network ACL.\n\n@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEntries",
  "getterDocumentation" : "One or more entries (rules) in the network ACL.\n\n@returns One or more entries (rules) in the network ACL.*/",
  "getterMethodName" : "getEntries",
  "getterModel" : {
    "returnType" : "java.util.List<NetworkAclEntry>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EntrySet",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "entrySet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "NetworkAclEntry",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
getterDocumentation" : "/*
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "NetworkAclEntry",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "NetworkAclEntry",
"..."}
"variableName": "member",
"variableType": "NetworkAclEntry",
"documentation": "",
"simpleType": "NetworkAclEntry",
"variableSetterType": "NetworkAclEntry"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "NetworkAclEntry",
"variableName": "member",
"variableType": "NetworkAclEntry",
"documentation": "",
"simpleType": "NetworkAclEntry",
"variableSetterType": "NetworkAclEntry"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "NetworkAclEntry",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "NetworkAclEntry",
"templateImplType": "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
"templateType": "java.util.List<NetworkAclEntry>"
},
"map": false,
"mapModel": null,
"name": "Entries",
"setterDocumentation": "/**<p>One or more entries (rules) in the network ACL. </p>
@param entries One or more entries (rules) in the network ACL.*/",
"setterMethodName": "setEntries",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
"variableName": "entries",
"variableType": "java.util.List<NetworkAclEntry>",
"documentation": "",
"simpleType": "List<NetworkAclEntry>",
"variableSetterType": "java.util.Collection<NetworkAclEntry>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more entries (rules) in the network
ACL. </p>
</b>NOTE:<b> This method appends the values to the existing list (if any). Use { @link
#setEntries(java.util.Collection)} or {@link #withEntries(java.util.Collection)} if you want to override the existing values.

@param entries One or more entries (rules) in the network ACL.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * Indicates whether this is the default network ACL for the VPC.
 *
 * @param isDefault Indicates whether this is the default network ACL for the VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public IsDefault withIsDefault(boolean isDefault)
{
    setIsDefault(isDefault);
    return this;
}

public boolean getIsDefault()
{
    return isDefault;
}


http:
{
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Default",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "default",
    "uri" : false,
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsDefault",
"setterDocumentation" : "/**<p>Indicates whether this is the default network ACL for the VPC.</p>@param isDefault Indicates whether this is the default network ACL for the VPC.*/",
"setterMethodName" : "setIsDefault",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isDefault",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is the default network ACL for the VPC.</p>@param isDefault Indicates whether this is the default network ACL for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isDefault",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether this is the default network ACL for the VPC.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"},
"xmlNameSpaceUri" : null,
"NetworkAclId" : {
    "c2jName" : "NetworkAclId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ID of the network ACL.</p>@param networkAclId The ID of the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkAclId",
    "getterDocumentation" : "/*<p>The ID of the network ACL.</p>@return The ID of the network ACL.*/",
    "getterMethodName" : "getNetworkAclId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkAclId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkAclId",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkAclId",
"setterDocumentation": "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.*/",
"setterMethodName": "setNetworkAclId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkAclId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "networkAclId",
  "variableType": "String",
  "documentation": "<p>The ID of the network ACL.</p",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Tags": {
  "c2jName": "Tags",
  "c2jShape": "TagList",
  "deprecated": false,
  "documentation": "<p>Any tags assigned to the network ACL.</p",
  "enumType": "false",
  "fluentSetterDocumentation": "/**<p>Any tags assigned to the network ACL.</p>
@param tags Any tags assigned to the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "tags",
    "variableType": "String",
    "documentation": "<p>Any tags assigned to the network ACL.</p",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
"getterDocumentation" : "/**<p>Any tags assigned to the network ACL.<p>
@return Any tags assigned to the network ACL.<p="/"",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "TagSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "tagSet",
      "uri" : false
    }
  }
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
}
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the network ACL.</p>
@param tags Any tags assigned to the network ACL.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the network ACL.</p>
<b>NOTE:</b>
This method appends the values to the existing list (if any). Use [ @link setTags(java.util.Collection) ] or [ @link withTags(java.util.Collection) ] if you want to override the existing values.<p/>
@param tags Any tags assigned to the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the network ACL.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC for the network ACL.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC for the network ACL.</p>
@param vpcId The ID of the VPC for the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC for the network ACL.</p>
@return The ID of the VPC for the network ACL.
 */",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String"}
"documentation": null,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VpcId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "vpcId",
  "uri": false
},
"idempotencyToken": false,
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"map": false,
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@param vpcId The ID of the VPC for the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVpcId",
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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  "variableName" : "networkAcl",
  "variableType" : "NetworkAcl",
  "documentation" : null,
  "simpleType" : "NetworkAcl",
  "variableSetterType" : "NetworkAcl"
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    "skipGeneratingUnmarshaller" : false
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      "parameter" : "NetworkAclAssociationassociationId",
      "shapeName" : "NetworkAclAssociation",
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      "variableName" : "networkAclAssociation"
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  "header" : false,
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  "isStreaming" : false,
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  "statusCode" : false,
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  "uri" : false
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"@return The ID of the network ACL.*/",
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  "isPayload" : false,
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  "location" : null,
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  "statusCode" : false,
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\n@return Returns a reference to this object so that method calls can be chained together. */",
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\n@return Returns a reference to this object so that method calls can be chained together. */",
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\n@return The ID of the subnet.
\n@returns Returns a reference to this object so that method calls can be chained together. */",
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\n@return The ID of the subnet.
\n@returns Returns a reference to this object so that method calls can be chained together. */",
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  "simpleType" : "String",
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    "getterDocumentation" : "/**\n@return The ID of the association between a network ACL and a subnet.
*/",
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      "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
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"simple" : true,
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@param networkAclAssociationId The ID of the association between a network ACL and a subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the network ACL.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of

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the network ACL.<br/>
@return Returns a reference to this object so that method calls can be chained together."/");
"fluentSetterMethodName" : "withNetworkAclId",
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\n@returns The ID of the network ACL.*/",
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\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@returns Returns a reference to this object so that method calls can be chained together.*/",
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"fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@returns The ID of the subnet.
*/",
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"statusCode" : false,
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"list" : false,
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"map" : false,
"mapModel" : null,
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@returns The ID of the subnet.
*/",
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"setterModel" : {
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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    "variableSetterType" : "NetworkAclAssociation"
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  "wrapper" : false
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "documentation" : "Describes an entry in a network ACL.\n  \n  @param subnetId The ID of the subnet.\n  @return Returns a reference to this object so that method calls can be chained together.*/"}
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"hasStreamingMember" : false,
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"members" : [ {
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  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>
   @param ruleNumber The rule number for the entry. ACL entries are processed in ascending order by rule number.
   @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRuleNumber",
  "getterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>
   @return The rule number for the entry. ACL entries are processed in ascending order by rule number.*/",
  "getterMethodName" : "getRuleNumber",
  "getterModel" : { "returnType" : "Integer", "documentation" : null },
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RuleNumber",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ruleNumber",
    "uri" : false },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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  "setterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>
   @param ruleNumber The rule number for the entry. ACL entries are processed in ascending order by rule number.*/"},
}
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"setterModel" : {
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  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : ">
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  "variableSetterType" : "Integer"
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@param ruleNumber The rule number for the entry. ACL entries are processed in ascending order by rule number.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : <p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>
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  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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  "c2jName" : "Protocol",
  "c2jShape" : "String",
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  "documentation" : <p>The protocol. A value of <code>-1</code> means all protocols.</p>
  "fluentSetterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
  @param protocol The protocol. A value of <code>-1</code> means all protocols.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
  @return The protocol. A value of <code>-1</code> means all protocols.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : null
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"status_code" : false,
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@param protocol The protocol. A value of <code>-1</code> means all protocols.*/",
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   "documentation" : "",
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   "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"xmlNameSpaceUri" : null
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"enumType" : "RuleAction",
"fluentSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.</p>
@see RuleAction*/",
"fluentSetterMethodName" : "withRuleAction"
"getterDocumentation" : "/**\n* Indicates whether to allow or deny the traffic that matches the rule.
* @return Indicates whether to allow or deny the traffic that matches the rule.\n* \n* @see RuleAction*/",
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"getterModel" : {
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  "documentation" : null
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  "statusCode" : false,
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  "uri" : false
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  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates whether to allow or deny the traffic that matches the rule.\n* @param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n* \n* Returns a reference to this object so that method calls can be chained together.\n* \n* @see RuleAction*/",
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  "variableType" : "String",
  "variableSetterType" : "String"}
"documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
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"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).<p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgress",
"getterDocumentation" : "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).\n@return Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).*/",
"getterMethodName" : "getEgress",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Egress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
"setterDocumentation" : "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).\n@param egress Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEgress",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"returnType" : "Boolean",
"documentation" : null
}
"variableName" : "egress",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}
,
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).
@param egress Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
{
  "c2jName" : "CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.</p",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
  @param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withCidrBlock",
  "getterDocumentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
  @return The IPv4 network range to allow or deny, in CIDR notation.*/",
  "getterMethodName" : "getCidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CidrBlock",
    "queryString" : false,
    "statusCode" : false,
**The IPv6 network range to allow or deny, in CIDR notation.**

```java
public void setIpv6CidrBlock(String ipv6CidrBlock) {
    this.ipv6CidrBlock = ipv6CidrBlock;
}

//...remainder of the setter method...
```

**Returns a reference to this object so that method calls can be chained together.**

```java
public String getIpv6CidrBlock() {
    return ipv6CidrBlock;
}

//...remainder of the getter method...
```
"c2jName" : "IcmpTypeCode",
"c2jShape" : "IcmpTypeCode",
"deprecated" : false,
"documentation" : "<p>ICMP protocol: The ICMP type and code.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * ICMP protocol: The ICMP type and code.
 * @param icmpTypeCode ICMP protocol: The ICMP type and code.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterMethodName" : "withIcmpTypeCode",
"getterDocumentation" : "/**
 * ICMP protocol: The ICMP type and code.
 * @return ICMP protocol: The ICMP type and code.
 */",
"getterMethodName" : "getIcmpTypeCode",
"getterModel" : {
    "returnType" : "IcmpTypeCode",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IcmpTypeCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "icmpTypeCode",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IcmpTypeCode",
"setterDocumentation" : "/**
 * ICMP protocol: The ICMP type and code.
 * @param icmpTypeCode ICMP protocol: The ICMP type and code.
 */",
"setterMethodName" : "setIcmpTypeCode",
"setterModel" : {
    "variableDeclarationType" : "IcmpTypeCode",
    "variableName" : "icmpTypeCode",
    "variableType" : "IcmpTypeCode",
    "documentation" : "",
    "simpleType" : "IcmpTypeCode",
    "variableSetterType" : "IcmpTypeCode"
}.
"simple" : false,
"varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@param
icmpTypeCode ICMP protocol: The ICMP type and code.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IcmpTypeCode",
  "variableName" : "icmpTypeCode",
  "variableType" : "IcmpTypeCode",
  "documentation" : "<p>ICMP protocol: The ICMP type and code.</p>
"simpleType" : "IcmpTypeCode",
"variableSetterType" : "IcmpTypeCode"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PortRange",
"c2jShape" : "PortRange",
"deprecated" : false,
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param
portRange TCP or UDP protocols: The range of ports the rule applies to.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPortRange",
"getterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@return
TCP or UDP protocols: The range of ports the rule applies to.*/",
"getterMethodName" : "getPortRange",
"getterModel" : {
  "returnType" : "PortRange",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PortRange",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "portRange",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PortRange",
"setterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p><p>@param portRange TCP or UDP protocols: The range of ports the rule applies to.</p>*/",
"setterMethodName" : "setPortRange",
"setterModel" : {
  "variableDeclarationType" : "PortRange",
  "variableName" : "portRange",
  "variableType" : "PortRange",
  "documentation" : "",
  "simpleType" : "PortRange",
  "variableSetterType" : "PortRange"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p><p>@param portRange TCP or UDP protocols: The range of ports the rule applies to.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "PortRange",
  "variableName" : "portRange",
  "variableType" : "PortRange",
  "documentation" : "p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "simpleType" : "PortRange",
  "variableSetterType" : "PortRange"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "CidrBlock" : {
    "c2jName" : "CidrBlock",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.<p>@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withCidrBlock",
    "getterDocumentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>@return The IPv4 network range to allow or deny, in CIDR notation.</p><p>@return The IPv4 network range to allow or deny, in CIDR notation.</p>*/",
    "getterMethodName" : "getCidrBlock",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Egress" : {
  "c2jName" : "Egress",
  "c2jShape" : "Boolean",
  "deprecated" : false,
Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).

```java
@override
public boolean isEgress() {
    return egress;
}
```

```java
@override
public void setEgress(boolean egress) {
    this.egress = egress;
}
```

```java
public Egress() {
    super("Egress");
}
```

```java
public static Egress fromJson(String jsonString) {
    return new Egress(jsonReader);}
```

```java
public String toJson() {
    return jsonWriter.toString();
}
```

```java
public String getEgress() {
    return egress;
}
```

```java
public void setEgress(String egress) {
    this.egress = egress;
}
```

```java
public String toString() {
    return "Egress: " + egress;
}
```
subnet).\n@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IcmpTypeCode" : {
  "c2jName" : "IcmpTypeCode",
  "c2jShape" : "IcmpTypeCode",
  "deprecated" : false,
  "documentation" : "<p>ICMP protocol: The ICMP type and code.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@param icmpTypeCode ICMP protocol: The ICMP type and code.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIcmpTypeCode",
  "getterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@return ICMP protocol: The ICMP type and code.*/",
  "getterMethodName" : "getIcmpTypeCode",
  "getterModel" : {
    "returnType" : "IcmpTypeCode",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IcmpTypeCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "icmpTypeCode",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation.</p>
@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation.</p>
@瞻er ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PortRange" : {
  "c2jName" : "PortRange",
  "c2jShape" : "PortRange",
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "enumType" : null,
"variableDeclarationType" : "PortRange",
"variableName" : "portRange",
"variableType" : "PortRange",
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
"simpleType" : "PortRange",
"variableSetterType" : "PortRange"
},
"xmlNameSpaceUri" : null
},
"Protocol" : {
"c2jName" : "Protocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The protocol. A value of <code>-1</code> means all protocols.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProtocol",
"getterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@return The protocol. A value of <code>-1</code> means all protocols.*/",
"getterMethodName" : "getProtocol",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Protocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "protocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Protocol",
"setterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.
@return Returns a reference to this object so that method calls can be chained together.*/"}
protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.*/

setterMethodName" : "setProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "protocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.</p>
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "protocol",
  "variableType" : "String",
  "documentation" : "<p>The protocol. A value of <code>-1</code> means all protocols.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RuleAction" : {
  "c2jName" : "RuleAction",
  "c2jShape" : "RuleAction",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.
@see RuleAction*/",
  "fluentSetterMethodName" : "withRuleAction",
  "getterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@return Indicates whether to allow or deny the traffic that matches the rule.</p>
@see RuleAction*/",
  "getterMethodName" : "getRuleAction",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RuleAction",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleAction",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleAction",
"setterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@see RuleAction*/",
"setterMethodName" : "setRuleAction",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.
@see RuleAction*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RuleNumber" : {
  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule,
"simpleType" : "Number",
  "variableSetterType" : "Number"
},
"xmlNameSpaceUri" : null
},
"RuleNumber" : {
  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The rule number for the entry. ACL entries are processed in ascending order by rule
number.
"enumType" : null,
"fluentlySetterDocumentation" : "The rule number for the entry. ACL entries are processed in ascending
order by rule number.*/

/**
 * The rule number for the entry. ACL entries are processed in ascending order by rule number.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"getterMethodName" : "getRuleNumber",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "RuleNumber",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ruleNumber",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "The rule number for the entry. ACL entries are processed in ascending order by rule number.*/

/**
 * The rule number for the entry. ACL entries are processed in ascending order by rule number.
 */

"setterMethodName" : "setRuleNumber",
"setterModel" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "ruleNumber",
 "variableType" : "Integer",
 "documentation" : "",
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "The rule number for the entry. ACL entries are processed in ascending order by rule number.*/
ascending order by rule number.

```java
@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "NetworkAclEntry",
"unmarshaller" : {
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@return Returns a reference to this object so that method calls can be chained together. */",
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@param description A description.
@return
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>
@param ownerId The AWS account ID of the owner of the network interface.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"getterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@param requesterId The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).*/",
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  "enumType" : null,
"fluentSetterDocumentation": "/**\nIndicates whether the network interface is being managed by AWS.\n\n@\n@param requesterManaged Indicates whether the network interface is being managed by AWS.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withRequesterManaged",
"getterDocumentation": "/**\nIndicates whether the network interface is being managed by AWS.\n\n@return Indicates whether the network interface is being managed by AWS.*/",
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"xmlNameSpaceUri" : null
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"c2jShape" : "NetworkInterfaceStatus",
"deprecated" : false,
"documentation" : "<p>The status of the network interface.</p>",
"enumType" : "NetworkInterfaceStatus",
"fluentSetterDocumentation" : "/**
 * The status of the network interface.
 */
@param status The status of the network interface.
@see NetworkInterfaceStatus*/",
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"getterDocumentation" : "/**
 * The status of the network interface.
 */
@return The status of the network interface.
@see NetworkInterfaceStatus*/",
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 * The status of the network interface.
 */
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@see NetworkInterfaceStatus*/"
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@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.
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"c2jShape" : "String",
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"documentation" : "<p>The MAC address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMacAddress",
"getterDocumentation" : "/**<p>The MAC address.</p>
@return The MAC address.*/",
"getterMethodName" : "getMacAddress",
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"mapModel": null,  
"name": "PrivateIpAddress",  
"setterDocumentation": "/**<p>The IPv4 address of the network interface within the subnet.</p>\n@param privateIpAddress The IPv4 address of the network interface within the subnet.*/*",  
"setterMethodName": "setPrivateIpAddress",  
"setterModel": {  
  "variableDeclarationType": "String",  
  "variableName": "privateIpAddress",  
  "variableType": "String",  
  "documentation": "",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/**<p>The IPv4 address of the network interface within the subnet.</p>\n@param privateIpAddress The IPv4 address of the network interface within the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/*",  
"variable": {  
  "variableDeclarationType": "String",  
  "variableName": "privateIpAddress",  
  "variableType": "String",  
  "documentation": "<p>The IPv4 address of the network interface within the subnet.</p>",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"xmlNameSpaceUri": null  
},  
"c2jName": "PrivateDnsName",  
"id": 8244,  
"name": "12.6.1 VOS assets for CCBU Projects (CentOS 12.6(1))"}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withPrivateDnsName"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "<p>The private DNS name.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>\n\n@returns {Boolean} Indicates whether traffic to or from the instance is validated.*!/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>\n\n@return Indicates whether traffic to or from the instance is validated.*!/",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceDestCheck",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceDestCheck",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>\n\n@returns {Boolean} Indicates whether traffic to or from the instance is validated.*!/"
sourceDestCheck Indicates whether traffic to or from the instance is validated.*/

  "setterMethodName" : "setSourceDestCheck",
  "setterModel" : {  
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n   * Indicates whether traffic to or from the instance is validated.\n   * @param sourceDestCheck Indicates whether traffic to or from the instance is validated.\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {  
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>
    "param sourceDestCheck Indicates whether traffic to or from the instance is validated.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {  
      "variableDeclarationType" : "Boolean",
      "variableName" : "sourceDestCheck",
      "variableType" : "Boolean",
      "documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>
    },
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "Groups",
  "c2jShape" : "GroupIdentifierList",
  "deprecated" : false,
  "documentation" : "<p>Any security groups for the network interface.</p>

  "getterDocumentation" : "<p>Any security groups for the network interface.</p>
  "getterMethodName" : "getGroups",
  "getterModel" : {  
    "returnType" : "java.util.List<GroupIdentifier>",
    "documentation" : "null"
  },
  "http" : {  
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "GroupIdentifier",
  "variableName": "member",
  "variableType": "GroupIdentifier",
  "documentation": "",
  "simpleType": "GroupIdentifier",
  "variableSetterType": "GroupIdentifier"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
  "variableDeclarationType": "GroupIdentifier",
  "variableName": "member",
  "variableType": "GroupIdentifier",
  "documentation": "",
  "simpleType": "GroupIdentifier",
  "variableSetterType": "GroupIdentifier"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "GroupIdentifier",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "GroupIdentifier",
"templateImplType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType": "java.util.List<GroupIdentifier>"
},
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**<p>Any security groups for the network interface.</p>
@param groups Any security groups for the network interface.*/",
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName": "groups",
  "variableType": "java.util.List<GroupIdentifier>",
  "documentation": "",
  "simpleType": "List<GroupIdentifier>",
  "variableSetterType": "java.util.Collection<GroupIdentifier>"
}
Any security groups for the network interface. **NOTE:** This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values. @param groups Any security groups for the network interface. @return Returns a reference to this object so that method calls can be chained together.

```java

/**
 * The network interface attachment.
 *
 * @return The network interface attachment.
 */

```

```

```java

/**
 * Any security groups for the network interface.
 */

```

```

```java

/**
 * The network interface attachment.
 */

```

```java

/**
 * Any security groups for the network interface.
 */

```

```java

/**
 * The network interface attachment.
 */

```

```java

/**
 * The network interface attachment.
 */

```

```java

/**
 * The network interface attachment.
 */

```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.*

"setterMethodName" : "setAttachment",
"setterModel" : {
    "variableDeclarationType" : "NetworkInterfaceAttachment",
    "variableName" : "attachment",
    "variableType" : "NetworkInterfaceAttachment",
    "documentation" : "",
    "simpleType" : "NetworkInterfaceAttachment",
    "variableSetterType" : "NetworkInterfaceAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*

"variable" : {
    "variableDeclarationType" : "NetworkInterfaceAttachment",
    "variableName" : "attachment",
    "variableType" : "NetworkInterfaceAttachment",
    "documentation" : "<p>The network interface attachment.</p>
    "simpleType" : "NetworkInterfaceAttachment",
    "variableSetterType" : "NetworkInterfaceAttachment"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Association",
"c2jShape" : "NetworkInterfaceAssociation",
"deprecated" : false,
"documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>

"fluentSetterMethodName" : "withAssociation",
"getterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>

"getterMethodName" : "getAssociation",
"getterModel" : {
    "returnType" : "NetworkInterfaceAssociation",
}
**setterDocumentation**: 

```
/**
 * The association information for an Elastic IP address (IPv4) associated with the network interface.
 * @param association The association information for an Elastic IP address (IPv4) associated with the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**variable**: 

```
/**
 * The association information for an Elastic IP address (IPv4) associated with the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"c2jName" : "TagSet",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@param tagSet Any tags assigned to the network interface.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withTagSet",
"getterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@return Any tags assigned to the network interface.*/",
"getterMethodName" : "getTagSet",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : "",
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withMember",
"xmlNameSpaceUri" : "null"}
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAuto ConstructedEmpty Lists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "TagSet",
"setterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@param tagSet Any tags assigned to the network interface.*/",
"setterMethodName" : "setTagSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tagSet",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
  }
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
<b>NOTE</b>: This method appends the values to the existing list (if any). Use @link #setTagSet(java.util.Collection)) or @link #withTagSet(java.util.Collection)) if you want to override the existing values. <p>@param tagSet Any tags assigned to the network interface.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tagSet",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the network interface.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
  }
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddresses",
"c2jShape" : "NetworkInterfacePrivateIpAddressList",
"deprecated" : false,
"documentation" : "<p>The private IPv4 addresses associated with the network interface.</p>",
"xmlNameSpaceUri" : null
}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The private IPv4 addresses associated with the network
interface.</p>
@param privateIpAddresses The private IPv4 addresses associated with the network
interface.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrivateIpAddresses",
"getterDocumentation": "/**<p>The private IPv4 addresses associated with the network
interface.</p>
@return The private IPv4 addresses associated with the network interface.</p>
*/",
"getterMethodName": "getPrivateIpAddresses",
"getterModel": {
"returnType": "java.util.List<NetworkInterfacePrivateIpAddress>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrivateIpAddressesSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateIpAddressesSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "NetworkInterfacePrivateIpAddress",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "NetworkInterfacePrivateIpAddress",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NetworkInterfacePrivateIpAddress",
  "variableName" : "member",
  "variableType" : "NetworkInterfacePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "NetworkInterfacePrivateIpAddress",
  "variableSetterType" : "NetworkInterfacePrivateIpAddress"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkInterfacePrivateIpAddress",
  "variableName" : "member",
  "variableType" : "NetworkInterfacePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "NetworkInterfacePrivateIpAddress",
  "variableSetterType" : "NetworkInterfacePrivateIpAddress"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkInterfacePrivateIpAddress",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkInterfacePrivateIpAddress",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
"templateType" : "java.util.List<NetworkInterfacePrivateIpAddress>",

"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/*<p>The private IPv4 addresses associated with the network interface.</p>\n@param privateIpAddresses The private IPv4 addresses associated with the network interface.*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation" : "",
  "simpleType" : "List<NetworkInterfacePrivateIpAddress>",
  "variableSetterType" : "java.util.Collection<NetworkInterfacePrivateIpAddress>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The private IPv4 addresses associated with the network interface.</p>\n@Note: This method appends the values to the existing list (if any). Use {@link #setPrivateIpAddresses(java.util.Collection)} or {@link #withPrivateIpAddresses(java.util.Collection)} if you want to override the existing values.\n@param privateIpAddresses The private IPv4 addresses associated with the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation" : "<p>The private IPv4 addresses associated with the network interface.</p>",
  "simpleType" : "List<NetworkInterfacePrivateIpAddress>",
  "variableSetterType" : "java.util.Collection<NetworkInterfacePrivateIpAddress>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6Addresses",
"c2jShape" : "NetworkInterfaceIpv6AddressesList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The IPv6 addresses associated with the network interface.</p>\n@param ipv6Addresses The IPv6 addresses associated with the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/*<p>The IPv6 addresses associated with the network interface.</p>\n@return The IPv6 addresses associated with the network interface.*/",}
"getterMethodName": "getIpv6Addresses",
"getterModel": {
"returnType": "java.util.List<NetworkInterfaceIpv6Address>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6AddressesSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6AddressesSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "NetworkInterfaceIpv6Address",
"deprecated": false,
"documentation": null,
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "NetworkInterfaceIpv6Address",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**\n * The IPv6 addresses associated with the network interface.
 */\n@param ipv6Addresses The IPv6 addresses associated with the network interface.*\*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfaceIpv6Address>",
    "variableName" : "ipv6Addresses",
    "variableType" : "java.util.List<NetworkInterfaceIpv6Address>",
    "documentation" : "",
    "simpleType" : "List<NetworkInterfaceIpv6Address>",
    "variableSetterType" : "java.util.Collection<NetworkInterfaceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The IPv6 addresses associated with the network interface.
 */\n@param NOTE: This method appends the values to the existing list (if any). Use [\link #setIpv6Addresses(java.util.Collection) or [\link #withIpv6Addresses(java.util.Collection) if you want to override the existing values.\n\param ipv6Addresses The IPv6 addresses associated with the network interface.\n\return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfaceIpv6Address>",
    "variableName" : "ipv6Addresses",
    "variableType" : "java.util.List<NetworkInterfaceIpv6Address>",
    "documentation" : "<p>The IPv6 addresses associated with the network interface.</p>",
    "simpleType" : "List<NetworkInterfaceIpv6Address>",
    "variableSetterType" : "java.util.Collection<NetworkInterfaceIpv6Address>"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "InterfaceType",
"c2jShape" : "NetworkInterfaceType",
"deprecated" : false,
"documentation" : "<p>The type of interface.</p>",
"enumType" : "NetworkInterfaceType",
"fluentSetterDocumentation" : "/**\n * The type of interface.\n \@param interfaceType The type of interface.\n \@return Returns a reference to this object so that method calls can be chained together.\n \@see NetworkInterfaceType*/\n*/",
"fluentSetterMethodName" : "withInterfaceType",
"getterDocumentation" : "/**\n * The type of interface.\n \@return The type of interface.\n \@see NetworkInterfaceType*/\n*/",
"getterMethodName" : "getInterfaceType",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InterfaceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "interfaceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InterfaceType",
"setterDocumentation" : "/**\nThe type of interface.
\n@see NetworkInterfaceType*/",
"setterMethodName" : "setInterfaceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "interfaceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe type of interface.
\n@see NetworkInterfaceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "interfaceType",
  "variableType" : "String",
  "documentation" : "The type of interface.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
  "Association" : {
    "c2jName" : "Association",
    "c2jShape" : "NetworkInterfaceAssociation",
    "c2jProperties": [
      {
        "name": "idempotencyToken",
        "type": "String",
        "documentation": "The idempotency token."
      },
      ...
    ]
  }
}
The association information for an Elastic IP address (IPv4) associated with the network interface.

**setterDocumentation**:

```"
/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>

@param association The association information for an Elastic IP address (IPv4) associated with the network interface.

@return Returns a reference to this object so that method calls can be chained together.<*/
```

**setterMethodName**:

```
"withAssociation",
```

**getterDocumentation**:

```"
/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>

@return The association information for an Elastic IP address (IPv4) associated with the network interface.*/
```

**getterMethodName**:

```
"getAssociation",
```

**getterModel**:

```{
"returnType" : "NetworkInterfaceAssociation",
"documentation" : null
}
```

**http**:

```{
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Association",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "association",
"uri" : false
}
```

**idempotencyToken**:

```
false,
```

**list**:

```
false,
```

**listModel**:

```
null,
```

**map**:

```
false,
```

**mapModel**:

```
null,
```

**name**:

```
"Association",
```

**setterDocumentation**:

```"
/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>

@param association The association information for an Elastic IP address (IPv4) associated with the network interface.

@return Returns a reference to this object so that method calls can be chained together.<*/
```

**setterMethodName**:

```
"setAssociation",
```

**setterModel**:

```{
"variableDeclarationType" : "NetworkInterfaceAssociation",
"variableName" : "association",
"variableType" : "NetworkInterfaceAssociation",
"documentation" : null,
"simpleType" : "NetworkInterfaceAssociation",
```
"variableSetterType" : "NetworkInterfaceAssociation",
},
"simple" : false,
"varargSetterDocumentation" : "/*\<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p><\@param association The association information for an Elastic IP address (IPv4) associated with the network interface.</p><\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "NetworkInterfaceAssociation",
"variableName" : "association",
"variableType" : "NetworkInterfaceAssociation",
"documentation" : "\<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
"simpleType" : "NetworkInterfaceAssociation",
"variableSetterType" : "NetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
},
"Attachment" : {
"c2jName" : "Attachment",
"c2jShape" : "NetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "\<p>The network interface attachment.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*\<p>The network interface attachment.</p><\@param attachment The network interface attachment.</p><\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/*\<p>The network interface attachment.</p><\@return The network interface attachment.*/",
"getterMethodName" : "getAttachment",
"getterModel" : {
"returnType" : "NetworkInterfaceAttachment",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attachment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.*/",
"setterMethodName" : "setAttachment",
"setterModel" : {
"variableDeclarationType" : "NetworkInterfaceAttachment",
"variableName" : "attachment",
"variableType" : "NetworkInterfaceAttachment",
"documentation" : "",
"simpleType" : "NetworkInterfaceAttachment",
"variableSetterType" : "NetworkInterfaceAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "NetworkInterfaceAttachment",
"variableName" : "attachment",
"variableType" : "NetworkInterfaceAttachment",
"documentation" : "<p>The network interface attachment.</p>",
"simpleType" : "NetworkInterfaceAttachment",
"variableSetterType" : "NetworkInterfaceAttachment"
},
"xmlNameSpaceUri" : null
},
"AvailabilityZone" : {
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone.</p>
@return The Availability Zone.*/",
"getMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.<p>/n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description.</p>@param description A description.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description.</p>@return A description.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Description",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "description",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description.</p>@param description A description.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : 
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description.</p>@param description A description.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : 
   "simpleType" : "String",
   "variableSetterType" : "String"
}

"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"Groups" : [
"c2jName" : "Groups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>Any security groups for the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any security groups for the network interface.</p>
@param groups
Any security groups for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>Any security groups for the network interface.</p>
@return Any security groups for the network interface.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
"returnType" : "java.util.List<GroupIdentifier>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"documentation" : null
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "GroupIdentifier",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "GroupIdentifier"
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>Any security groups for the network interface.</p>
@param groups Any security groups for the network interface.*/",
"setterMethodName" : "setGroups",
"setterModel" : {

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any security groups for the network interface.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values.
@param groups Any security groups for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "<p>Any security groups for the network interface.</p>
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
}
"xmlNameSpaceUri" : null
},
"InterfaceType" : {
  "c2jName" : "InterfaceType",
  "c2jShape" : "NetworkInterfaceType",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The type of interface.&lt;/p&gt;",
  "enumType" : "NetworkInterfaceType",
  "fluentSetterDocumentation" : "/**&lt;p&gt;The type of interface.&lt;/p&gt;@param interfaceType The type of interface.
@return Returns a reference to this object so that method calls can be chained together.@see NetworkInterfaceType*/",
  "fluentSetterMethodName" : "withInterfaceType",
  "getterDocumentation" : "/**&lt;p&gt;The type of interface.&lt;/p&gt;@return The type of interface.@see NetworkInterfaceType*/",
  "getterMethodName" : "getInterfaceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InterfaceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "interfaceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InterfaceType",
  "setterDocumentation" : "/**&lt;p&gt;The type of interface.&lt;/p&gt;@param interfaceType The type of interface.
@return Returns a reference to this object so that method calls can be chained together.@see NetworkInterfaceType*/",
  "setterMethodName" : "setInterfaceType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "interfaceType",
    "variableType" : "String",
    "documentation" : "",
  }
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of interface.</p>
@param interfaceType The type of interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "interfaceType",
"variableType" : "String",
"documentation" : "<p>The type of interface.</p>
@simpleType "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Ipv6Addresses" : {
"c2jName" : "Ipv6Addresses",
"c2jShape" : "NetworkInterfaceIpv6AddressesList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses associated with the network interface.</p>
@simpleType "String",
"variableSetterType" : "String"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6AddressesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressesSet",
"uri" : false}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "NetworkInterfaceIpv6Address",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "NetworkInterfaceIpv6Address",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member \n@return */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "NetworkInterfaceIpv6Address",
      "variableName": "member",
      "variableType": "NetworkInterfaceIpv6Address""}
"documentation": "",
"simpleType": "NetworkInterfaceIpv6Address",
"variableSetterType": "NetworkInterfaceIpv6Address"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "NetworkInterfaceIpv6Address",
  "variableName": "member",
  "variableType": "NetworkInterfaceIpv6Address",
  "documentation": "",
  "simpleType": "NetworkInterfaceIpv6Address",
  "variableSetterType": "NetworkInterfaceIpv6Address"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "NetworkInterfaceIpv6Address",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "NetworkInterfaceIpv6Address",
"templateImplType": "com.amazonaws.internal.SdkInternalList<NetworkInterfaceIpv6Address>",
"templateType": "java.util.List<NetworkInterfaceIpv6Address>"
},
"map": false,
"mapModel": null,
"name": "Ipv6Addresses",
"setterDocumentation": "<p>The IPv6 addresses associated with the network interface.</p>
@param ipv6Addresses The IPv6 addresses associated with the network interface.*/",
"setterMethodName": "setIpv6Addresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkInterfaceIpv6Address>",
  "variableName": "ipv6Addresses",
  "variableType": "java.util.List<NetworkInterfaceIpv6Address>",
  "documentation": "",
  "simpleType": "List<NetworkInterfaceIpv6Address>",
  "variableSetterType": "java.util.Collection<NetworkInterfaceIpv6Address>"
},
"simple": false,
"varargSetterDocumentation": "<p>The IPv6 addresses associated with the network interface.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use @link setIpv6Addresses(java.util.Collection) or @link withIpv6Addresses(java.util.Collection) if you want to override the existing values.*/";

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interface.

```java
@return Returns a reference to this object so that method calls can be chained together.*/

private java.util.List<NetworkInterfaceIpv6Address> ipv6Addresses;

/**
 * The IPv6 addresses associated with the network interface.
 * @param ipv6Addresses The IPv6 addresses associated with the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.*/

public java.util.List<NetworkInterfaceIpv6Address> getIpv6Addresses() {
    return ipv6Addresses;
}

public void setIpv6Addresses(java.util.List<NetworkInterfaceIpv6Address> ipv6Addresses) {
    this.ipv6Addresses = ipv6Addresses;
}

/**
 * The MAC address.
 * @param macAddress The MAC address.
 * @return Returns a reference to this object so that method calls can be chained together.*/

public String getMacAddress() {
    return macAddress;
}

public void setMacAddress(String macAddress) {
    this.macAddress = macAddress;
}
```

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"setterMethodName" : "setMacAddress",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "macAddress",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "The MAC address.
<p>The MAC address.</p>
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"NetworkInterfaceId" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the network interface.
<p>The ID of the network interface.</p>
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*/",
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        "variableName" : "networkInterfaceId",
        "variableType" : "String",
        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
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@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "c2jShape" : "String",
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  "documentation" : "<p>The AWS account ID of the owner of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>
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@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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\n@return Returns a reference to this object so that method calls can be chained together.*\n*/"
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    "documentation" : null
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  @return Returns a reference to this object so that method calls can be chained together.*/*",
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"simpleType" : "String",
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"variableType" : "String",
"documentation" : "The private DNS name.

@returns Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "String",
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"documentation" : "The IPv4 address of the network interface within the subnet.

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"getterDocumentation" : "/**\n\n@returns The IPv4 address of the network interface within the subnet.*/",
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"getterModel" : {
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"documentation" : null
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"header" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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@param privateIpAddress The IPv4 address of the network interface within the subnet.*/",
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"setterModel" : {
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 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableSetterType" : "String"
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 "variableSetterType" : "String"
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 "variableSetterType" : "String"
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 "variableSetterType" : "String"
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  "header" : false,
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  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddressesSet",
  "uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "NetworkInterfacePrivateIpAddress",
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    "documentation" : "",
    "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "NetworkInterfacePrivateIpAddress",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
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 * @param member */",
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"setterModel": {
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  "variableName": "member",
  "variableType": "NetworkInterfacePrivateIpAddress",
  "documentation": "",
  "simpleType": "NetworkInterfacePrivateIpAddress",
  "variableSetterType": "NetworkInterfacePrivateIpAddress"
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"simple": false,
"varargSetterDocumentation": "/**\n * @param member
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName": "member",
  "variableType": "NetworkInterfacePrivateIpAddress",
  "documentation": "",
  "simpleType": "NetworkInterfacePrivateIpAddress",
  "variableSetterType": "NetworkInterfacePrivateIpAddress"
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"xmlnsSpaceUri": null,
"memberLocationName": "item",
"memberType": "NetworkInterfacePrivateIpAddress",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "NetworkInterfacePrivateIpAddress",
"templateImplType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
"templateType": "java.util.List<NetworkInterfacePrivateIpAddress>"
},
"map": false,
"mapModel": null,
"name": "PrivateIpAddresses",
"setterDocumentation": "/**\n * The private IPv4 addresses associated with the network interface.</p>\n * @param privateIpAddresses The private IPv4 addresses associated with the network interface.*/"
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation" : "",
  "simpleType" : "List<NetworkInterfacePrivateIpAddress>",
  "variableSetterType" : "java.util.Collection<NetworkInterfacePrivateIpAddress>",
  "vararg" : false,
  "varargSetterDocumentation" : "/**<p>The private IPv4 addresses associated with the network interface.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use 
  @link #setPrivateIpAddresses(java.util.Collection) or 
  @link #withPrivateIpAddresses(java.util.Collection) if you want to override the existing values.</p>
  @return Returns a reference to this object so that method calls can be chained together.*///",
  "variable" : {
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    "variableName" : "privateIpAddresses",
    "variableType" : "java.util.List<NetworkInterfacePrivateIpAddress>",
    "documentation" : "<p>The private IPv4 addresses associated with the network interface.</p>
    "simpleType" : "List<NetworkInterfacePrivateIpAddress>",
    "variableSetterType" : "java.util.Collection<NetworkInterfacePrivateIpAddress>",
  },
  "xmlNameSpaceUri" : null
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"RequesterId" : {
  "c2jName" : "RequesterId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
  @return Returns a reference to this object so that method calls can be chained together.*///",
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  "getterDocumentation" : "<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
  @return The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).*/",
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  "getterModel" : {
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    "documentation" : "null"
  },
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "requesterId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterId",
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"setterMethodName" : "setRequesterId",
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"variableName" : "requesterId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).\n</p>\n@param requesterId The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "requesterId",
"variableType" : "String",
"documentation" : "<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).<p>\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"RequesterManaged" : {
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    "deprecated" : false,
    "documentation" : "<p>Indicates whether the network interface is being managed by AWS.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
     *param requesterManaged Indicates whether the network interface is being managed by AWS.*\n*return Indicates whether the network interface is being managed by AWS.*"",
    "fluentSetterMethodName" : "withRequesterManaged",
    "getterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
    *return Indicates whether the network interface is being managed by AWS.*",
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    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "requesterManaged",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "RequesterManaged",
    "setterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
    *param requesterManaged Indicates whether the network interface is being managed by AWS.*",
    "setterMethodName" : "setRequesterManaged",
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        "variableName" : "requesterManaged",
        "variableType" : "Boolean",
        "documentation" : "",
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        "variableSetterType" : "Boolean"}
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  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the network interface is being managed by AWS.</p>
  @param requesterManaged Indicates whether the network interface is being managed by AWS.
  @return Returns a reference to this object so that method calls can be chained together.
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  "variableSetterType" : "Boolean"
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"SourceDestCheck" : {
  "c2jName" : "SourceDestCheck",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>
  @param sourceDestCheck Indicates whether traffic to or from the instance is validated.
  @return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterDocumentation" : "/@<p>Indicates whether traffic to or from the instance is validated.</p>
  @param sourceDestCheck Indicates whether traffic to or from the instance is validated.
  @return Indicates whether traffic to or from the instance is validated.
",
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  "getterDocumentation" : "/@<p>Indicates whether traffic to or from the instance is validated.</p>
  @return Indicates whether traffic to or from the instance is validated.
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    "documentation" : null
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    "isStreaming" : false,
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    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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"varargSetterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>
@param sourceDestCheck Indicates whether traffic to or from the instance is validated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"vararg" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Status" : {
    "c2jName" : "Status",
    "c2jShape" : "NetworkInterfaceStatus",
    "deprecated" : false,
    "documentation" : "<p>The status of the network interface.</p>",
    "enumType" : "NetworkInterfaceStatus",
    "fluentSetterDocumentation" : "/**<p>The status of the network interface.</p>
    @param status The status of the network interface.</p>
    @return Returns a reference to this object so that method calls can be chained together.</p>
    @see NetworkInterfaceStatus*/",
    "fluentSetterMethodName" : "withStatus",
    "getterDocumentation" : "/**<p>The status of the network interface.</p>
    @return The status of the network interface.</p>
    @see NetworkInterfaceStatus*/",
    "getterMethodName" : "getStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the
network interface.
@see NetworkInterfaceStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the
network interface.
@return Returns a reference to this object so that method calls can be chained
together.
@see NetworkInterfaceStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "The status of the network interface.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String"
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>@param subnetId The ID of the subnet.<br /></p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet.</p>@return The ID of the subnet.<br /></p>",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>@param subnetId The ID of the subnet.<br /></p>",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.<br /></p>@param subnetId The ID of the subnet.<br /></p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* @param member
* @return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n* @return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "Tag",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "Tag",
 "variableName" : "member",
 "variableType" : "Tag",
 "documentation" : "",
 "simpleType" : "Tag",
 "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* @param member
* @return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Tag",
}
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "TagSet",
"setterDocumentation" : "/**
 * Any tags assigned to the network interface.
 */
@param tagSet Any tags assigned to the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setTagSet",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag",
 "variableName" : "tagSet",
 "variableType" : "java.util.List<Tag",
 "documentation" : "",
 "simpleType" : "List<Tag",
 "variableSetterType" : "java.util.Collection<Tag>"
 }},
"simple" : false,
"varargSetterDocumentation" : "/**
 * Any tags assigned to the network interface.
 */
NOTE:
This method appends the values to the existing list (if any). Use
{@link #setTagSet(java.util.Collection)} or
{@link #withTagSet(java.util.Collection)} if you want to override the existing values.

@param tagSet Any tags assigned to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag",
 "variableName" : "tagSet",
 "variableType" : "java.util.List<Tag",
 "documentation" : "",
 "simpleType" : "List<Tag",
 "variableSetterType" : "java.util.Collection<Tag>"
 },
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of the VPC.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "@param vpcId The ID of the VPC\n@return Returns a reference to this object so that method calls can be chained together.*",
  "getterDocumentation" : "&lt;p&gt;The ID of the VPC.&lt;/p&gt;\n@return The ID of the VPC.*",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "@param vpcId The ID of the VPC\n@return Returns a reference to this object so that method calls can be chained together.*",
  "setterMethodName" : "setVpcId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "String",
"variableName": "vpcId",
"variableType": "String",
"documentation": "<p>The ID of the VPC.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "NetworkInterface",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "NetworkInterface",
"variableName": "networkInterface",
"variableType": "NetworkInterface",
"documentation": null,
"simpleType": "NetworkInterface",
"variableSetterType": "NetworkInterface"
},
"wrapper": false
},
"NetworkInterfaceAssociation": {
"c2jName": "NetworkInterfaceAssociation",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "Describes association information for an Elastic IP address (IPv4 only.).",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "PublicIp",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The address of the Elastic IP address bound to the network interface.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The address of the Elastic IP address bound to the network
interface.</p>
@param publicIp The address of the Elastic IP address bound to the network interface.
@return The address of the Elastic IP address bound to the network interface.</p>
@returns reference to this object so that method calls can be chained together.*/",
  "getterDocumentation": "/**<p>The address of the Elastic IP address bound to the network
interface.</p>
@return The address of the Elastic IP address bound to the network interface.</p>"
  "getterMethodName": "getPublicIp",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PublicIp",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "publicIp",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "PublicIp",
  "setterDocumentation": "/**<p>The address of the Elastic IP address bound to the network
interface.</p>
@param publicIp The address of the Elastic IP address bound to the network interface.</p>*/",
  "setterMethodName": "setPublicIp",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "publicIp",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "returnType": "String",
    "documentation": null
  }
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**<p>The address of the Elastic IP address bound to the network
interface.</p>
@param publicIp The address of the Elastic IP address bound to the network interface.</p>*/",
"setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "returnType": "String",
  "documentation": null
}
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "The address of the Elastic IP address bound to the network interface.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PublicDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The public DNS name.",
"enumType" : null,
"fluentSetterDocumentation" : "The public DNS name.",
"getterDocumentation" : "The public DNS name.",
"getterMethodName" : "getPublicDnsName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicDnsName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "publicDnsName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "PublicDnsName",
"setterDocumentation": "/**\n@param publicDnsName The public DNS name.\n*/",
"setterMethodName": "setPublicDnsName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicDnsName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param publicDnsName The public DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "publicDnsName",
  "variableType": "String",
  "documentation": "The public DNS name.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "IpOwnerId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the Elastic IP address owner.

**@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation": "/**\n@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpOwnerId",
"getterDocumentation": "/**\n@return The ID of the Elastic IP address owner.*/",
"getterMethodName": "getIpOwnerId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
**IpOwnerId**

*Setter Documentation*

```java
/**
 * The ID of the Elastic IP address owner.
 * @param ipOwnerId The ID of the Elastic IP address owner.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

*Setter Method Name*

```
setIpOwnerId
```

*Setter Model*

```java
{
    "variableDeclarationType": "String",
    "variableName": "ipOwnerId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
}
```

**AllocationId**

*Fluent Setter Documentation*

```java
/**
 * The allocation ID.
 * @param allocationId The allocation ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

*Simple Type*

```
"simple": true,
```

*Vararg Setter Documentation*

```java
/**
 * The ID of the Elastic IP address owner.
 * @param ipOwnerId The ID of the Elastic IP address owner.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

*Variable*

```java
{
    "variableDeclarationType": "String",
    "variableName": "ipOwnerId",
    "variableType": "String",
    "documentation": "<p>The ID of the Elastic IP address owner.</p>
    "simpleType": "String",
    "variableSetterType": "String"
}
```

*Xml Name Space Uri*

```
"xmlNameSpaceUri": null
```

*Deprecated*

```
"deprecated": false,
```

*Documentation*

```java
<p>The allocation ID.</p>
```

*Enum Type*

```
"enumType": null,
```

*C2j Name*

```
"c2jName": "AllocationId",
```

*C2j Shape*

```
"c2jShape": "String",
```

*Deprecation Flag*

```
"deprecated": false,
```

*Documentation*

```java
<p>The allocation ID.</p>
```

*Enum Type*

```
"enumType": null,
```

*Fluent Setter Documentation*

```java
/**
 * The allocation ID.
 * @param allocationId The allocation ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>The allocation ID.</p>
@returns The allocation ID.*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allocationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The allocation ID.</p>
@returns param allocationId The allocation ID.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allocation ID.</p>
@returns param allocationId The allocation ID.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "<p>The allocation ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple": true,
"varargSetterDocumentation": "/**\n@\n*\n@\n* The association ID.
@\n*\n@\n* The association ID.
@\n*\n@\n* @return\n@\n* Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "<p>The association ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
  "AllocationId": {
    "c2jName": "AllocationId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The allocation ID.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@\n*\n@\n* The allocation ID.
@\n*\n@\n* @return\n@\n* Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName": "withAllocationId",
    "getterDocumentation": "/**\n@\n*\n@\n* The allocation ID.
@\n*\n@\n* @return\n@\n* The allocation ID.*\n*/",
    "getterMethodName": "getAllocationId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "AllocationId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "allocationId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": null
  }
}
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The allocation ID.</p>
@param allocationId The allocation ID.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allocation ID.</p>
@param allocationId The allocation ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "<p>The allocation ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AssociationId" : {
  "c2jName" : "AssociationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The association ID.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The association ID.</p>
@param associationId The association ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAssociationId",
  "getterDocumentation" : "/**<p>The association ID.</p>
@return The association ID.*/",
  "getterMethodName" : "getAssociationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"getterMethodName" : "getIpOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipOwnerId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpOwnerId",
"setterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpOwnerId",
"setterModel" : {
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  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@param ipOwnerId The ID of the Elastic IP address owner.
@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Elastic IP address owner.</p>
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  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNamespaceUri" : null,
"PublicDnsName" : {
  "c2jName" : "PublicDnsName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The public DNS name.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : ""/**<p>The public DNS name.</p>
  @param publicDnsName The public DNS name.
  @return Returns a reference to this object so that method calls can be chained together.</p>"",
  "getterDocumentation" : ""/**<p>The public DNS name.</p>
  @return The public DNS name."
  "getterMethodName" : "getPublicDnsName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicDnsName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "publicDnsName",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "PublicDnsName",
  "setterDocumentation" : ""/**<p>The public DNS name.</p>
  @param publicDnsName The public DNS name.
  @return Returns a reference to this object so that method calls can be chained together.</p>"",
  "setterMethodName" : "setPublicDnsName",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicDnsName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}.
"variableSetterType" : "String",
",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The public DNS name.</p>
@param publicDnsName The public DNS name.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The public DNS name.</p>
@param publicDnsName The public DNS name.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "variableType" : "String",
  "documentation" : "<p>The public DNS name.</p>
@param publicDnsName The public DNS name.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "xmlNameSpaceUri" : null,
}
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"PublicIp" : {
  "c2jName" : "PublicIp",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>
@param publicIp The address of the Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withPublicIp",
  "getterDocumentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>
@return The address of the Elastic IP address bound to the network interface.</p>*/",
  "getterMethodName" : "getPublicIp",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "publicIp",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**<p>The address of the Elastic IP address bound to the network interface.</p>
@param publicIp The address of the Elastic IP address bound to the network interface.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The address of the Elastic IP address bound to the network interface.</p>
@param publicIp The address of the Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NetworkInterfaceAssociation",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "NetworkInterfaceAssociation",
  "variableName" : "networkInterfaceAssociation",
  "variableType" : "NetworkInterfaceAssociation",
  "documentation" : null,
  "simpleType" : "NetworkInterfaceAssociation",
  "variableSetterType" : "NetworkInterfaceAssociation"
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"wrapper" : false
"NetworkInterfaceAttachment" : {
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    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p_Describes a network interface attachment.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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    "members" : [ {
        "c2jName" : "AttachmentId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the network interface attachment.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>@param attachmentId
The ID of the network interface attachment.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
        "fluentSetterMethodName" : "withAttachmentId",
        "getterDocumentation" : "/**<p>The ID of the network interface attachment.</p>@return The ID of the network interface attachment.</p>*/",
        "getterMethodName" : "getAttachmentId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
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        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "AttachmentId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "attachmentId",
            "marshallLocationName" : "AttachmentId"}
    ]
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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isStreaming" : false,
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"unmarshallLocationName" : "instanceId",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>@param instanceOwnerId The AWS account ID of the owner of the instance.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>@return The AWS account ID of the owner of the instance.*/",
"getterMethodName" : "getInstanceOwnerId",
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   "documentation" : null
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   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
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   "statusCode" : false,
   "unmarshallLocationName" : "instanceOwnerId",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceOwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>@param instanceOwnerId The AWS account ID of the owner of the instance.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceOwnerId",
"setterModel" : {
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   "variableName" : "instanceOwnerId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>@param instanceOwnerId The AWS account ID of the owner of the instance.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
  
  "c2jName" : "DeviceIndex",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The device index of the network interface attachment on the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n*\n* The device index of the network interface attachment on the instance.\n* \n* @param deviceIndex The device index of the network interface attachment on the instance.\n* \n* @return Returns a reference to this object so that method calls can be chained together.\n*/",
  "fluentSetterMethodName" : "withDeviceIndex",
  "getterDocumentation" : "/**\n* The device index of the network interface attachment on the instance.\n* \n* @return The device index of the network interface attachment on the instance.\n*/",
  "getterMethodName" : "getDeviceIndex",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "deviceIndex",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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    "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**\n*p The device index of the network interface attachment on the instance.\n*\n@param deviceIndex The device index of the network interface attachment on the instance.\n*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "Integer",
    "documentation" : "<p>The device index of the network interface attachment on the instance.\n</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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    "c2jName" : "Status",
    "c2jShape" : "AttachmentStatus",
    "deprecated" : false,
    "documentation" : "<p>The attachment state.</p>",
    "enumType" : "AttachmentStatus",
    "fluentSetterDocumentation" : "/**\n*p The attachment state.\n*\n@param status The attachment state.\n*\n@return Returns a reference to this object so that method calls can be chained together.\n*\n@see AttachmentStatus*/",
    "fluentSetterMethodName" : "withStatus",
    "getterDocumentation" : "/**\n*p The attachment state.\n*\n@return The attachment state.\n*\n@see AttachmentStatus*/",
    "getterMethodName" : "getStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
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"unmarshallLocationName" : "status",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n<p>The attachment state.</p>
@see AttachmentStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : ",",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The attachment state.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The timestamp indicating when the attachment initiated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The timestamp indicating when the attachment initiated.</p>
@see attachTime The timestamp indicating when the attachment initiated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachTime",
"getterDocumentation" : "/**\n<p>The timestamp indicating when the attachment initiated.</p>
@see attachTime The timestamp indicating when the attachment initiated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getAttachTime",
"getterModel" : {
   "returnType" : "java.util.Date",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "AttachTime",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "attachTime",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The timestamp indicating when the attachment initiated.</p>
@param attachTime The timestamp indicating when the attachment initiated.*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
   "variableDeclarationType" : "java.util.Date",
   "variableName" : "attachTime",
   "variableType" : "java.util.Date",
   "documentation" : "",
   "simpleType" : "Date",
   "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The timestamp indicating when the attachment initiated.</p>
@param attachTime The timestamp indicating when the attachment initiated.<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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   "variableType" : "java.util.Date",
   "documentation" : "<p>The timestamp indicating when the attachment initiated.</p>",
   "simpleType" : "Date",
   "variableSetterType" : "java.util.Date"
Indicates whether the network interface is deleted when the instance is terminated.

Setter Documentation:

```java
public void setDeleteOnTermination(Boolean deleteOnTermination)
```

Getter Documentation:

```java
public Boolean getDeleteOnTermination()
```
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/*<p>Indicates whether the network interface is deleted when the instance is terminated.
@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Boolean",
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"variableType": "Boolean",
"documentation": "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
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"membersAsMap": {
"AttachTime": {
"c2jName": "AttachTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The timestamp indicating when the attachment initiated.</p>
@param attachTime The timestamp indicating when the attachment initiated.
@return The timestamp indicating when the attachment initiated.*/",
"enumType": null,
"fluentSetterDocumentation": "<p>The timestamp indicating when the attachment initiated.</p>
@param attachTime The timestamp indicating when the attachment initiated.
@return A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAttachTime",
"getterDocumentation": "<p>The timestamp indicating when the attachment initiated.</p>
@return The timestamp indicating when the attachment initiated.*/",
"getterMethodName": "getAttachTime",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachTime",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachTime",
"setterDocumentation" : "/**\nThe timestamp indicating when the attachment initiated.*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
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  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "/**\nThe timestamp indicating when the attachment initiated.*/",
"variable" : {
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  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "The timestamp indicating when the attachment initiated.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"AttachmentId" : {
  "c2jName" : "AttachmentId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the network interface attachment.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nThe ID of the network interface attachment.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAttachmentId",
  "getterDocumentation" : "/**\nThe ID of the network interface attachment.\n\n\n@return The ID of the network interface attachment.*/",
  "name" : "AttachmentId",
  "setterDocumentation" : "The ID of the network interface attachment.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "setterModel" : {
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  "variableType" : "java.util.Date",
  "documentation" : "The ID of the network interface attachment.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
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"getterMethodName" : "getAttachmentId",
"getterModel" : {
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    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachmentId",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachmentId",
"setterDocumentation" : "/**
 * The ID of the network interface attachment.
 * @param attachmentId The ID of the network interface attachment.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setAttachmentId",
"setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The ID of the network interface attachment.
 * @param attachmentId The ID of the network interface attachment.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
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    "variableName" : "attachmentId",
    "variableType" : "String",
    "documentation" : "$<p>The ID of the network interface attachment.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
"DeleteOnTermination" : {
    "c2jName" : "DeleteOnTermination",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>\n@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getDeleteOnTermination",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
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    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "deleteOnTermination",
        "uri" : false
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    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "DeleteOnTermination",
    "setterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>\n@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setDeleteOnTermination",
    "setterModel" : {
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    }
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"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "",
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"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>

@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"DeviceIndex" : {
"c2jName" : "DeviceIndex",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The device index of the network interface attachment on the instance.</p>

@param deviceIndex The device index of the network interface attachment on the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The device index of the network interface attachment on the instance.</p>

@param deviceIndex The device index of the network interface attachment on the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "/**<p>The device index of the network interface attachment on the instance.</p>

@return The device index of the network interface attachment on the instance.*/",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"isStreaming" : false,
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"isEndpoint" : true,
"location" : null,
"isStreaming" : false,
"location" : null,
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"location" : null,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deviceIndex",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param deviceIndex The device index of the network interface attachment on the instance.*/*",
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  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The device index of the network interface attachment on the instance.</p>
@param deviceIndex The device index of the network interface attachment on the instance.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"variable" : {
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  "variableType" : "Integer",
  "documentation" : "<p>The device index of the network interface attachment on the instance.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/*",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "*/<p>The ID of the instance.</p>
@return The ID of the instance.*/*",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {

"c2jName" : "InstanceOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@return The AWS account ID of the owner of the instance.*/",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "instanceOwnerId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param
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"setterMethodName" : "setInstanceOwnerId",
"setterModel" : {
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  "variableName" : "instanceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,

"varargSetterDocumentation" : "/**\n * The AWS account ID of the owner of the instance.
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"variable" : {

"variableDeclarationType" : "String",

"variableName" : "instanceOwnerId",

"variableType" : "String",

"documentation" : "The AWS account ID of the owner of the instance.",

"simpleType" : "String",

"variableSetterType" : "String"

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"xmlNameSpaceUri" : null

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"Status" : {

"c2jName" : "Status",

"c2jShape" : "AttachmentStatus",

"deprecated" : false,

"documentation" : "The attachment state.",

"enumType" : "AttachmentStatus",

"fluentSetterDocumentation" : "/**\n * The attachment state.
 */\n \n}@param status The attachment state.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see AttachmentStatus*/",

"fluentSetterMethodName" : "withStatus",

"getterDocumentation" : "/**\n * The attachment state.\n */\n \n}@return The attachment state.\n\n@see AttachmentStatus*/",

"getterMethodName" : "getStatus",

"getterModel" : {

"returnType" : "String",

"documentation" : null

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"http" : {

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"isPayload" : false,

"isStreaming" : false,

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"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "status",

"uri" : false

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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "Status",
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@param status The attachment state.
@see AttachmentStatus*/",
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"setterModel" : {
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"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
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"variableName" : "status",
"variableType" : "String",
"documentation" : `<p>The attachment state.</p>

@see AttachmentStatus*/",
"simpleType" : "String",
"variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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"variableName" : "networkInterfaceAttachment",
"variableType" : "NetworkInterfaceAttachment",
"documentation" : null,
"simpleType" : "NetworkInterfaceAttachment",
"variableSetterType" : "NetworkInterfaceAttachment"
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"wrapper" : false
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"NetworkInterfaceAttachmentChanges": {
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    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
  "documentation": "Describes an attachment change.",
  "enums": null,
  "errorCode": null,
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  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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      "documentation": "The ID of the network interface attachment.",
      "enumType": null,
      "fluentSetterDocumentation": "The ID of the network interface attachment.
\n@returns Returns a reference to this object so that method calls can be chained together.",
      "fluentSetterMethodName": "withAttachmentId",
      "getterDocumentation": "The ID of the network interface attachment.
\n@returns The ID of the network interface attachment.",
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      "getterModel": {
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        "documentation": null
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        "additionalUnmarshallingPath": null,
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        "header": false,
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        "isStreaming": false,
        "location": null,
        "marshallLocationName": "AttachmentId",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "attachmentId",
        "uri": false
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    }
  ]
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AttachmentId",
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@param attachmentId The ID of the network interface attachment.*/",
"setterMethodName": "setAttachmentId",
"setterModel": {
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  "variableName": "attachmentId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The ID of the network interface attachment.</p>
  "simpleType": "String",
  "variableSetterType": "String"
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"c2jShape": "Boolean",
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"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDeleteOnTermination",
"getterDocumentation": "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@return Indicates whether the network interface is deleted when the instance is terminated.*/",
"getterMethodName": "getDeleteOnTermination",
"getterModel": {
  "returnType": "Boolean",
  "documentation": "null"
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  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
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"mapModel" : null,
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"setterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeleteOnTermination",
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  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
"membersAsMap" : { }
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"c2jName" : "AttachmentId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface attachment.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachmentId",
"getterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@return The ID of the network interface attachment.*/",
"getterMethodName" : "getAttachmentId",
"getterModel" : { 
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachmentId",
"setterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAttachmentId",
"setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "attachmentId",
"variableType" : "String",
"documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of the network interface attachment.</p>
"simpleType" : "String",
"variableSetterType" : "String"
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@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@return Indicates whether the network interface is deleted when the instance is terminated.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deleteOnTermination",
"variableName" : "attachmentId"}
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**
@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>\n@param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NetworkInterfaceAttachmentChanges",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
  "variableName" : "networkInterfaceAttachmentChanges",
  "variableType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : "",
  "simpleType" : "NetworkInterfaceAttachmentChanges",
  "variableSetterType" : "NetworkInterfaceAttachmentChanges",
  "xmlNameSpaceUri" : null
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"variableType" : "NetworkInterfaceAttribute",
"documentation" : null,
"simpleType" : "NetworkInterfaceAttribute",
"variableSetterType" : "NetworkInterfaceAttribute"
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"wrapper" : false
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"NetworkInterfaceIpv6Address" : [
"c2jName" : "NetworkInterfaceIpv6Address",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Describes an IPv6 address associated with a network interface.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : [
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    "c2jName" : "Ipv6Address",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 address.</p>
\n@param ipv6Address The IPv6 address.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIpv6Address",
    "getterDocumentation" : "/**<p>The IPv6 address.</p>
\n@return The IPv6 address.*/",
    "getterMethodName" : "getIpv6Address",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "method" : "GET",
      "resourcePath" : "/networkinterfaceipv6address",
      "serviceOperationName" : "GetNetworkInterfaceIpv6Address",
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          "useJsonFormat" : true
        },
        "headerJsonParameters" : {
          "useJsonFormat" : true
        },
        "methodParameterJsonParameters" : {
          "useJsonFormat" : true
         },
         "responseHttpJsonParameters" : {
             "useJsonFormat" : true
         }
     }
   },
   "name" : "NetworkInterfaceIpv6Address",
   "requestModelClass" : null,
   "responseModelClass" : null,
   "shapeName" : "NetworkInterfaceIpv6Address",
   "shapePath" : "NetworkInterfaceIpv6Address"
  }
]
"marshallLocationName" : "Ipv6Address",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6Address",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Address",
"setterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.*/",
"setterMethodName" : "setIpv6Address",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Ipv6Address" : {
    "c2jName" : "Ipv6Address",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIpv6Address",
    "getterDocumentation" : "/**<p>The IPv6 address.</p>
@return The IPv6 address.*/",
    "getMethodName" : "getIpv6Address",
    "getterModel" : {

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NetworkInterfaceIpv6Address",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "NetworkInterfaceIpv6Address",
  "variableName" : "networkInterfaceIpv6Address",
  "variableType" : "NetworkInterfaceIpv6Address",
  "documentation" : null,
  "simpleType" : "NetworkInterfaceIpv6Address",
  "variableSetterType" : "NetworkInterfaceIpv6Address"
},
"wrapper" : false,

"NetworkInterfacePrivateIpAddress" : {
  "c2jName" : "NetworkInterfacePrivateIpAddress",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the private IPv4 address of a network interface.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "PrivateIpAddress",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The private IPv4 address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The private IPv4 address.</p>@return The private IPv4 address.</p>@param privateIpAddress The private IPv4 address.
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPrivateIpAddress",
    "getterDocumentation" : "/**<p>The private IPv4 address.</p>@return The private IPv4 address.*/",
    "getterMethodName" : "getPrivateIpAddress",
    "getterModel" : {
      "returnType" : "String",
    }]}
"documentation" : null }
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "PrivateIpAddress",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "privateIpAddress",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IPv4 address.</p>
@param privateIpAddress The private IPv4 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateIpAddress",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 address.</p>
@param privateIpAddress The private IPv4 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateIpAddress",
 "variableType" : "String",
 "documentation" : "<p>The private IPv4 address.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The private DNS name.</p>
*param privateDnsName The private DNS name.
*return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/** <p>The private DNS name.</p>
*return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/** <p>The private DNS name.</p>
*param privateDnsName The private DNS name.
*return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The private DNS name.</p>
*param privateDnsName The private DNS name.
*return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "<p>The private DNS name.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Primary",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>
@param primary Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrimary",
  "getterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>
@return Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.*/",
  "getterMethodName" : "getPrimary",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Primary",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "primary",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the
network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4 address of
the network interface.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address
of the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4
address of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network
interface.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Association",
"c2jShape" : "NetworkInterfaceAssociation",
"deprecated" : false,
"documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network
interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated
with the network interface.</p>\n@param association The association information for an Elastic IP address (IPv4)
associated with the network interface.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withAssociation",
"getterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with
the network interface.</p>\n@return The association information for an Elastic IP address (IPv4) associated with
the network interface.*/",
"getterMethodName" : "getAssociation",
"getterModel" : {
"returnType" : "NetworkInterfaceAssociation",
"documentation" : null

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**The association information for an Elastic IP address (IPv4) associated with the network interface.**

@returns Returns a reference to this object so that method calls can be chained together.

```java
variable: {  
  "variableDeclarationType": "NetworkInterfaceAssociation",
  "variableName": "association",
  "variableType": "NetworkInterfaceAssociation",
  "documentation": "The association information for an Elastic IP address (IPv4) associated with the network interface."
}
```

```java
simple: false,
```

```java
variableSetterType": "NetworkInterfaceAssociation"
```

```java
simple: false,
```

```java
variableSetterType": "NetworkInterfaceAssociation"
```

```java
variable: {  
  "variableDeclarationType": "NetworkInterfaceAssociation",
  "variableName": "association",
  "variableType": "NetworkInterfaceAssociation",
  "documentation": "The association information for an Elastic IP address (IPv4) associated with the network interface."
}
```

```java
simple: false,
```

```java
variableSetterType": "NetworkInterfaceAssociation"
```

```java
simple: false,
```

```java
variableSetterType": "NetworkInterfaceAssociation"
```

```java
variable: {  
  "variableDeclarationType": "NetworkInterfaceAssociation",
  "variableName": "association",
  "variableType": "NetworkInterfaceAssociation",
  "documentation": "The association information for an Elastic IP address (IPv4) associated with the network interface."
}
```

```java
simple: false,
```

```java
variableSetterType": "NetworkInterfaceAssociation"
```

```java
simple: false,
```

```java
variableSetterType": "NetworkInterfaceAssociation"
```

```java
variable: {  
  "variableDeclarationType": "NetworkInterfaceAssociation",
  "variableName": "association",
  "variableType": "NetworkInterfaceAssociation",
  "documentation": "The association information for an Elastic IP address (IPv4) associated with the network interface."
}
```

```java
simple: false,
```

```java
variableSetterType": "NetworkInterfaceAssociation"
```
"setterModel": {
  "variableDeclarationType": "NetworkInterfaceAssociation",
  "variableName": "association",
  "variableType": "NetworkInterfaceAssociation",
  "documentation": "",
  "simpleType": "NetworkInterfaceAssociation",
  "variableSetterType": "NetworkInterfaceAssociation"
},
"simple": false,
"varargSetterDocumentation": "/**\n * The association information for an Elastic IP address (IPv4) associated with the network interface.
 * @param association The association information for an Elastic IP address (IPv4) associated with the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.**/",
"variable": {
  "variableDeclarationType": "NetworkInterfaceAssociation",
  "variableName": "association",
  "variableType": "NetworkInterfaceAssociation",
  "documentation": "The association information for an Elastic IP address (IPv4) associated with the network interface.

  "simpleType": "NetworkInterfaceAssociation",
  "variableSetterType": "NetworkInterfaceAssociation"
},
"xmlNameSpaceUri": null
},
"Primary": {
  "c2jName": "Primary",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.

  "enumType": null,
  "fluentSetterDocumentation": "/**\n * Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.
 * @param primary Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.**/",
  "fluentSetterMethodName": "withPrimary",
  "getterDocumentation": "/**\n * Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.
 * @return Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.**/",
  "getterMethodName": "getPrimary",
  "getterModel": {
    "returnType": "Boolean",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the
network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4 address of
the network interface.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address
of the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4
address of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network
interface.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"PrivateDnsName" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",

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"deprecated" : false,
"documentation" : ":<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateDnsName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateDnsName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateDnsName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateDnsName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"variableDeclarationType" : "String",
"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "<p>The private DNS name.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 address.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The private IPv4 address.</p>
   *param privateIpAddress The private IPv4 address.
   *return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**<p>The private IPv4 address.</p>
   *return The private IPv4 address.*/",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PrivateIpAddress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "privateIpAddress",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "PrivateIpAddress",
  "setterDocumentation" : "/**<p>The private IPv4 address.</p>
   *param privateIpAddress The private IPv4 address.
   *return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setPrivateIpAddress",
}
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n  * The private IPv4 address.
  *\n  * @param privateIpAddress The private IPv4 address.
  *\n  * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "The private IPv4 address.\n  *\n  * @param privateIpAddress The private IPv4 address.\n  *\n  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "NetworkInterfacePrivateIpAddress",
    "variableName": "networkInterfacePrivateIpAddress",
    "variableType": "NetworkInterfacePrivateIpAddress",
    "documentation": null,
    "simpleType": "NetworkInterfacePrivateIpAddress",
    "variableSetterType": "NetworkInterfacePrivateIpAddress"
  },
  "wrapper": false
},
"NetworkInterfaceStatus": {
  "c2jName": "NetworkInterfaceStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  }
}
"deprecated": false,
"documentation": "",
"enums": [
  {
    "name": "Available",
    "value": "available"
  },
  {
    "name": "Attaching",
    "value": "attaching"
  },
  {
    "name": "InUse",
    "value": "in-use"
  },
  {
    "name": "Detaching",
    "value": "detaching"
  }
],
"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "NetworkInterfaceStatus",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "NetworkInterfaceStatus",
  "variableName": "networkInterfaceStatus",
  "variableType": "NetworkInterfaceStatus",
  "documentation": null,
  "simpleType": "NetworkInterfaceStatus",
  "variableSetterType": "NetworkInterfaceStatus"
},
"wrapper": false
},
"NetworkInterfaceType": {
  "c2jName": "NetworkInterfaceType",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  }
}
{ "deprecated": false, "documentation": "", "enums": [ { "name": "Interface", "value": "interface" }, { "name": "NatGateway", "value": "natGateway" } ], 
"errorCode": null, 
"hasHeaderMember": false, 
"hasPayloadMember": false, 
"hasStatusCodeMember": false, 
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  "enumType" : null,
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@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",
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  "map" : false,
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  "setterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param
allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param
allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
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 return Returns a reference to this object so that method calls can be chained together.

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@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>*/",
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IP addresses when queried from instances in the peer VPC.\*/
\*param allowDnsResolutionFromRemoteVpc\* If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in
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@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/
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@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/
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that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>\n\@param
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"setterDocumentation" : "/**<p>If true, enables outbound communication from instances in a local VPC to an
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@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local
VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</param>*/",
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  "documentation" : "",
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  "variableSetterType" : "Boolean"
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VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.]
@returns Returns a reference to this
object so that method calls can be chained together.*/",
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  "variableSetterType" : "Boolean"
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  "variableDeclarationType" : "PeeringConnectionOptions",
  "variableName" : "peeringConnectionOptions",
  "variableType" : "PeeringConnectionOptions",
  "documentation" : null,
  "simpleType" : "PeeringConnectionOptions",
  "variableSetterType" : "PeeringConnectionOptions"
},
"wrapper" : false
},
"PeeringConnectionOptionsRequest" : {
  "c2jName" : "PeeringConnectionOptionsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>The VPC peering connection options.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  }],
"fluentSetterMethodName" : "withAllowEgressFromLocalClassicLinkToRemoteVpc",
"getterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's
linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@return If true, enables outbound
communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer
VPC.*/",
"getterMethodName" : "getAllowEgressFromLocalClassicLinkToRemoteVpc",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
"setterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's
linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic
instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",
"setterMethodName" : "setAllowEgressFromLocalClassicLinkToRemoteVpc",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance
that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic
instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.

@returns Returns a reference to this object so that method calls can be chained together. */

/**

If true, enables outbound communication from instances in a local VPC to an EC2-
Classic instance that's linked to a peer VPC via ClassicLink.

@returns Returns a reference to this object so that method calls can be chained together. */

"getterMethod" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshalLocationName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
    "queryString" : false,
    "statusCode" : false,
    "unmarshalLocationName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
    "uri" : false
}


"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AllowEgressFromLocalVpcToRemoteClassicLink",
"setterDocumentation": "/**<p>If true, enables outbound communication from instances in a local VPC to an EC2-
Classic instance that's linked to a peer VPC via ClassicLink.</p>*/
@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local
VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.

setterMethodName": "setAllowEgressFromLocalVpcToRemoteClassicLink",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>If true, enables outbound communication from instances in a local VPC
to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>*/
@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local
VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.

getterMethodName": "getAllowEgressFromLocalVpcToRemoteClassicLink",
getterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargGetterDocumentation": "/**<p>If true, enables outbound communication from instances in a local VPC
to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>*/
@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local
VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.

variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
}
","c2jName": "AllowDnsResolutionFromRemoteVpc",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses
when queried from instances in the peer VPC.</p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private
IP addresses when queried from instances in the peer VPC.</p>*/
@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses
when queried from instances in the peer VPC.

fluentSetterMethodName": "withAllowDnsResolutionFromRemoteVpc",
**getterDocumentation**:

```java
/**
 * If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
 */
```

**getterMethodName**:

`getAllowDnsResolutionFromRemoteVpc`

**getterModel**:

```java
{
    "returnType": "Boolean",
    "documentation": null
}
```

**http**:

```java
{
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "AllowDnsResolutionFromRemoteVpc",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "AllowDnsResolutionFromRemoteVpc",
    "uri": false
}
```

**idempotencyToken**:

false

**list**:

false

**listModel**:

null

**map**:

false

**mapModel**:

null

**name**:

"AllowDnsResolutionFromRemoteVpc"

**setterDocumentation**:

```java
/**
 * If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
 */
```

**setterMethodName**:

`setAllowDnsResolutionFromRemoteVpc`

**setterModel**:

```java
{
    "variableDeclarationType": "Boolean",
    "variableName": "allowDnsResolutionFromRemoteVpc",
    "variableType": "Boolean",
    "documentation": "",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
}
```

**simple**:

true

**varargSetterDocumentation**:

```java
/**
 * If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
 */
```

**variable**:

```java
{
    "@return Returns a reference to this object so that method calls can be chained together."
}
```
"variableDeclarationType" : "Boolean",
"variableName" : "allowDnsResolutionFromRemoteVpc",
"variableType" : "Boolean",
"documentation" : "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"AllowDnsResolutionFromRemoteVpc" : {
"c2jName" : "AllowDnsResolutionFromRemoteVpc",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.  @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAllowDnsResolutionFromRemoteVpc",
"getterDocumentation" : "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>@return If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC. */",
"getterMethodName" : "getAllowDnsResolutionFromRemoteVpc",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllowDnsResolutionFromRemoteVpc",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AllowDnsResolutionFromRemoteVpc",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowDnsResolutionFromRemoteVpc",
"setterDocumentation" : "/**
 * If true, enables a local VPC to resolve public DNS hostnames to private IP
 * addresses when queried from instances in the peer VPC.
 */

@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP
 * addresses when queried from instances in the peer VPC.
 */

"setterMethodName" : "setAllowDnsResolutionFromRemoteVpc",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowDnsResolutionFromRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * If true, enables a local VPC to resolve public DNS hostnames to private IP
 * addresses when queried from instances in the peer VPC.
 */

@var@ Returns a reference to this object so that method
calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowDnsResolutionFromRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "If true, enables a local VPC to resolve public DNS hostnames to private IP
 * addresses when queried from instances in the peer VPC.
 */

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"AllowEgressFromLocalClassicLinkToRemoteVpc" : {
  "c2jName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "If true, enables outbound communication from an EC2-Classic instance that's linked to
 * a local VPC via ClassicLink to instances in a peer VPC.
 */

"enumType" : null,
"fluentSetterDocumentation" : "/**
 * If true, enables outbound communication from an EC2-Classic instance
 * that's linked to a local VPC via ClassicLink to instances in a peer VPC.
 */

@var@ Returns a reference to this object so that method
calls can be chained together.*/

"fluentSetterMethodName" : "withAllowEgressFromLocalClassicLinkToRemoteVpc",
"getterDocumentation" : "/**
 * If true, enables outbound communication from an EC2-Classic instance
 * that's linked to a local VPC via ClassicLink to instances in a peer VPC.
 */

@var@ Returns a reference to this object so that method
calls can be chained together.*/

"getterMethodName" : "getAllowEgressFromLocalClassicLinkToRemoteVpc",
"getterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * If true, enables outbound communication from an EC2-Classic instance
 * that's linked to a local VPC via ClassicLink to instances in a peer VPC.
 */

@var@ Returns a reference to this object so that method
calls can be chained together.*/

"varargSetterMethodName" : "withAllowEgressFromLocalClassicLinkToRemoteVpc"
linked to a local VPC via ClassicLink to instances in a peer VPC.</p>

```
return If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
```

```

getterMethodName" : "getAllowEgressFromLocalClassicLinkToRemoteVpc",

getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
   "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "AllowEgressFromLocalClassicLinkToRemoteVpc",

"setterDocumentation" : "/*<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",

"setterMethodName" : "setAllowEgressFromLocalClassicLinkToRemoteVpc",

"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},

"simple" : true,

"varargSetterDocumentation" : "/*<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",

allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.

```
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"AllowEgressFromLocalVpcToRemoteClassicLink" : {
  "c2jName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>
@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAllowEgressFromLocalVpcToRemoteClassicLink",
  "getterDocumentation" : "/**<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>
@return If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/",
  "getterMethodName" : "getAllowEgressFromLocalVpcToRemoteClassicLink",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowEgressFromLocalVpcToRemoteClassicLink",
"setterDocumentation" : "/**<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p><p>@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>*/",
"setterMethodName" : "setAllowEgressFromLocalVpcToRemoteClassicLink",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p><p>@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType" : "Boolean",
  "documentation" : "<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "PeeringConnectionOptionsRequest",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PeeringConnectionOptionsRequest",
  "variableName" : "peeringConnectionOptionsRequest"}
"variableType" : "PeeringConnectionOptionsRequest",
"documentation" : null,
"simpleType" : "PeeringConnectionOptionsRequest",
"variableSetterType" : "PeeringConnectionOptionsRequest"
},
"wrapper" : false
},
"PermissionGroup" : {
"c2jName" : "PermissionGroup",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "All",
"value" : "all"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PermissionGroup",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "PermissionGroup",
"variableName" : "permissionGroup",
"variableType" : "PermissionGroup",
"documentation" : null,
"simpleType" : "PermissionGroup",
"variableSetterType" : "PermissionGroup"
},
"wrapper" : false
},
"Placement" : {

"c2jName" : "Placement",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the placement of an instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatuscodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
    {
        "c2jName" : "AvailabilityZone",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The Availability Zone of the instance.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The Availability Zone of the instance.</p>*/
@param availabilityZone The Availability Zone of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/
",
        "fluentSetterMethodName" : "withAvailabilityZone",
        "getterDocumentation" : "/**<p>The Availability Zone of the instance.</p>*/
@return The Availability Zone of the instance.*/
",
        "getterMethodName" : "getAvailabilityZone",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "AvailabilityZone",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "availabilityZone",
            "uri" : false
        }
    }
},
"documentation" : "<p>Describes the placement of an instance.</p>"
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@param availabilityZone The Availability Zone of the instance.*/",
"setterMethod_Name" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@param availabilityZone The Availability Zone of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone of the instance.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the placement group the instance is in (for cluster compute instances).</p>
",
  "enumType" : null,
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@param groupName The name of the placement group the instance is in (for cluster compute instances).
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : null
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@param groupName The name of the placement group the instance is in (for cluster compute instances).
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType": "String"
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  "variableName": "groupName",
  "variableType": "String",
  "documentation": "The name of the placement group the instance is in (for cluster compute instances).",
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"xmlNameSpaceUri": null}
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"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : ""<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.\</p>",
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"fluentSetterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.\n@see Tenancy*/",
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"queryString" : false,
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"unmarshallLocationName" : "tenancy",
"uri" : false
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supported for the `<a>ImportInstance</a>` command. `<p>`

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@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "",
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    "variableSetterType" : "String"
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@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType": null,
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parameter is not supported for the <a>ImportInstance</a> command.</p>
@param affinity The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the
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<a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together. */",
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@param affinity The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the
<a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together. */",
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<a>ImportInstance</a> command.</p>
@return The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the
<a>ImportInstance</a> command.
*/",
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  "variableType":"String",
  "documentation":"",
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
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  "uri" : false
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@return Returns a reference to this object so that method calls can be
chained together.*/",
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@return Returns a reference to this object so that method calls can be
chained together.*/",
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instances).</p>",
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instances).\n@param groupName The name of the placement group the instance is in (for cluster compute
instances).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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instances).</p>
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  "variableName" : "groupName",
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  "return" : Returns a reference to this object so that method calls can be chained together.
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  "return" : Returns a reference to this object so that method calls can be chained together.
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"variableSetterType" : "String"
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 * The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.
 */
@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.
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 * The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.
 */
@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.
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"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/*\*<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <code>ImportInstance</code> command.</p>
@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <code>ImportInstance</code> command.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"fluentSetterMethodName" : "withTenancy",
"getterDocumentation" : "/*\*<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <code>ImportInstance</code> command.</p>
@return The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <code>ImportInstance</code> command.
@see Tenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Tenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <code>ImportInstance</code> command.</p>*/

@see Tenancy*/",
"setterMethodName" : "setTenancy",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "tenancy",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <code>ImportInstance</code> command.</p>*/

@see Tenancy*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "tenancy",
    "variableType" : "String",
    "documentation" : "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <code>ImportInstance</code> command.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Placement",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
}.
"variable": {
  "variableDeclarationType": "Placement",
  "variableName": "placement",
  "variableType": "Placement",
  "documentation": null,
  "simpleType": "Placement",
  "variableSetterType": "Placement"
},
"wrapper": false
},
"PlacementGroup": {
  "c2jName": "PlacementGroup",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes a placement group.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [ {
    "c2jName": "GroupName",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The name of the placement group.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The name of the placement group.</p>
* @param groupName The name of the placement group.<br/>
* @return Returns a reference to this object so that method calls can be chained together.<br/>
*/",
    "fluentSetterMethodName": "withGroupName",
    "getterDocumentation": "/**<p>The name of the placement group.</p>
* @return The name of the placement group.<br/>
*/",
    "getterMethodName": "getGroupName",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "httpMethod": "GET",
      "name": "GetPlacementGroup",
      "responseType": "PlacementGroup",
      "responseModel": "PlacementGroup",
      "responseMarshaller": "org.apache.commons.lang3.builder.ToStringBuilder"
    }
  }]
}
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "GroupName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "groupName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupName",
"setterDocumentation": "/** <p>The name of the placement group.</p>
@param groupName The name of the placement group.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setGroupName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/** <p>The name of the placement group.</p>
@param groupName The name of the placement group.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see PlacementStrategy*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "<p>The name of the placement group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"c2jName": "Strategy",
"c2jShape": "PlacementStrategy",
"deprecated": false,
"documentation": "<p>The placement strategy.</p>",
"enumType": "PlacementStrategy",
"fluentSetterDocumentation": "/** <p>The placement strategy.</p>
@param strategy The placement strategy.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see PlacementStrategy*/"
"fluentSetterMethodName" : "withStrategy",
"getterDocumentation" : "/**<p>The placement strategy.</p>
@return The placement strategy.
@see PlacementStrategy*/",
"getterMethodName" : "getStrategy",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Strategy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "strategy",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Strategy",
"setterDocumentation" : "/**<p>The placement strategy.</p>
@param strategy The placement strategy.
@see PlacementStrategy*/",
"setterMethodName" : "setStrategy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "strategy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The placement strategy.</p>
@param strategy The placement strategy.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementStrategy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "strategy",
  "variableType" : "String"}
"documentation" : "The placement strategy.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "State",
"c2jShape" : "PlacementGroupState",
"deprecated" : false,
"documentation" : "The state of the placement group.

@returns Returns a reference to this object so that method calls can be chained together.

@see PlacementGroupState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "The state of the placement group.

@returns The state of the placement group.

@see PlacementGroupState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "The state of the placement group.

@returns Returns a reference to this object so that method calls can be chained together.

@see PlacementGroupState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The state of the placement group.
\p@param state The state of the placement group.
\p@return Returns a reference to this object so that method calls can be chained together.\p see PlacementGroupState*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The state of the placement group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the placement group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>The name of the placement group.
\p@param groupName The name of the placement group.
\p@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**\p>The name of the placement group.
\p@return The name of the placement group.*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"getterMethodName" : "getState",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
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    "header" : false,
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    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the placement group.</p>
@param state The state of the placement group.
@see PlacementGroupState*/",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the placement group.</p>
@param state The state of the placement group.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementGroupState*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The state of the placement group.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
"Strategy": {
  "c2jName": "Strategy",
  "c2jShape": "PlacementStrategy",
  "deprecated": false,
  "documentation": "<p>The placement strategy.</p>",
  "enumType": "PlacementStrategy",
  "fluentSetterDocumentation": "/**<p>The placement strategy.</p>
  @param strategy The placement strategy.\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see PlacementStrategy*/",
  "fluentSetterMethodName": "withStrategy",
  "getterDocumentation": "/**<p>The placement strategy.</p>
  @return The placement strategy.\n  @see PlacementStrategy*/",
  "getterMethodName": "getStrategy",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Strategy",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "strategy",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Strategy",
  "setterDocumentation": "/**<p>The placement strategy.</p>
  @param strategy The placement strategy.\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see PlacementStrategy*/",
  "setterMethodName": "setStrategy",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "strategy",
    "variableType": "String",
    "xmlNameSpaceUri": null
  }
}
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "<p>The placement strategy.</p>
@param strategy The placement strategy.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementStrategy*/",
"variable": {
 "variableDeclarationType": "String",
 "variableName": "strategy",
 "variableType": "String",
 "documentation": "<p>The placement strategy.</p>",
 "simpleType": "String",
 "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
",
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "PlacementGroup",
"unmarshaller": {
 "flattened": false,
 "resultWrapper": null
},
"variable": {
 "variableDeclarationType": "PlacementGroup",
 "variableName": "placementGroup",
 "variableType": "PlacementGroup",
 "documentation": null,
 "simpleType": "PlacementGroup",
 "variableSetterType": "PlacementGroup"
},
"wrapper": false
},
"PlacementGroupState": {
 "c2jName": "PlacementGroupState",
 "customization": {
 "artificialResultWrapper": null,
 "skipGeneratingMarshaller": false,
 "skipGeneratingModelClass": false,
 "skipGeneratingUnmarshaller": false
 },
 "deprecated": false,
 "documentation": "",
 "enums": [

"name": "Pending",
"value": "pending"
}, {
"name": "Available",
"value": "available"
}, {
"name": "Deleting",
"value": "deleting"
}, {
"name": "Deleted",
"value": "deleted"
}],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "PlacementGroupState",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "PlacementGroupState",
"variableName": "placementGroupState",
"variableType": "PlacementGroupState",
"documentation": null,
"simpleType": "PlacementGroupState",
"variableSetterType": "PlacementGroupState"
},
"wrapper": false
},
"PlacementStrategy": {
"c2jName": "PlacementStrategy",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": ""
"enums" : [ 
  "name" : "Cluster",
  "value" : "cluster"
 },
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PlacementStrategy",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PlacementStrategy",
  "variableName" : "placementStrategy",
  "variableType" : "PlacementStrategy",
  "documentation" : null,
  "simpleType" : "PlacementStrategy",
  "variableSetterType" : "PlacementStrategy"
},
"wrapper" : false
},
"PlatformValues" : {
  "c2jName" : "PlatformValues",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ 
    "name" : "Windows",
    "value" : "Windows"
  ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
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"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { }

"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "PlatformValues",
"unmarshaller": { 
"flattened": false,
"resultWrapper": null
},

"variable": { 
"variableDeclarationType": "PlatformValues",
"variableName": "platformValues",
"variableType": "PlatformValues",
"documentation": null,
"simpleType": "PlatformValues",
"variableSetterType": "PlatformValues"
},

"wrapper": false

"PortRange": { 
"c2jName": "PortRange",
"customization": { 
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},

"deprecated": false,
"documentation": "Describes a range of ports.",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,

"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ ],
"c2jName": "From",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The first port in the range.",
"enumType": null,

"fluentSetterDocumentation": "The first port in the range.",

"fluentSetterMethodName": "withFrom",
"getterDocumentation" : "\*\*\*<p>The first port in the range.</p>@return The first port in the range.*\*/",
"getterMethodName" : "getFrom",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "From",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "from",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "From",
"setterDocumentation" : "\*\*\*<p>The first port in the range.</p>@param from The first port in the range.*\*/",
"setterMethodName" : "setFrom",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "from",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "\*\*\*<p>The first port in the range.</p>@param from The first port in the range
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "from",
  "variableType" : "Integer",
  "documentation" : "<p>The first port in the range.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"variableModel" : null,
"varargSetterModel" : null,
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "To",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "\<p\>The last port in the range.\</p\>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\<p\>The last port in the range.\</p\>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTo",
  "getterDocumentation" : "/**\<p\>The last port in the range.\</p\>\n@return The last port in the range.*/",
  "getterMethodName" : "getTo",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "To",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "to",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "To",
  "setterDocumentation" : "/**\<p\>The last port in the range.\</p\>\n@param to The last port in the range.\</p\>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setTo",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "to",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**<p>The last port in the range.</p>
@param to The last port in the range.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "to",
  "variableType" : "Integer",
  "documentation" : "<p>The last port in the range.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
},
"membersAsMap" : {
  "From" : {
    "c2jName" : "From",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The first port in the range.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The first port in the range.</p>
@param from The first port in the range.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withFrom",
    "getterDocumentation" : "/**<p>The first port in the range.</p>
@return The first port in the range.*/",
    "getterMethodName" : "getFrom",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "From",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "from",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "From",
"setterDocumentation" : "/**<p>The first port in the range.</p>@param from The first port in the range.*/",
"setterMethodName" : "setFrom",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "from",
  "variableType" : "Integer",
  "documentation" : 
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The first port in the range.</p>@param from The first port in the range.<br>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "from",
  "variableType" : "Integer",
  "documentation" : "p>The first port in the range.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"To" : {
  "c2jName" : "To",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "p>The last port in the range.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The last port in the range.</p>@param to The last port in the range.<br>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTo",
  "getterDocumentation" : "p>The last port in the range.<br>@return The last port in the range.*/",
  "getterMethodName" : "getTo",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "To",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "to",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "To",
"setterDocumentation" : "/**<p>The last port in the range.</p>
@param to The last port in the range.*\*/",
"setterMethodName" : "setTo",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "to",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The last port in the range.</p>
@param to The last port in the range.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "PortRange",
  "variableName" : "portRange",
  "variableType" : "PortRange",
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PortRange",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PortRange",
  "variableName" : "portRange",
  "variableType" : "PortRange",
  "xmlNameSpaceUri" : null
}
"documentation" : null,
"simpleType" : "PortRange",
"variableSetterType" : "PortRange"
},
"wrapper" : false
},
"PrefixList" : {
"c2jName" : "PrefixList",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes prefixes for AWS services.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "PrefixListId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the prefix.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the prefix.</p>
*param prefixListId The ID of the prefix.*/",
    "fluentSetterMethodName" : "withPrefixListId",
    "getterDocumentation" : "/**<p>The ID of the prefix.</p>
*return The ID of the prefix.*/",
    "getterMethodName" : "getPrefixListId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "PrefixListId",
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefixListId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrefixListId",
"setterDocumentation" : "/**\n@name prefixListId The ID of the prefix.*/",
"setterMethodName" : "setPrefixListId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@name prefixListId The ID of the prefix.
@vararg returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
  " variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "PrefixListName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@name prefixListName The name of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withPrefixListName",
  "getterDocumentation" : "/**\n@name prefixListName The name of the prefix.
@returns The name of the prefix.
*/",
  "getterMethodName" : "getPrefixListName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PrefixListName",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "prefixListName",
    "uri": false,
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "PrefixListName",
    "setterDocumentation": "/**<p>The name of the prefix.</p>*/\n@param prefixListName The name of the prefix.*/",
    "setterMethodName": "setPrefixListName",
    "setterModel": {
        "variableDeclarationType": "String",
        "variableName": "prefixListName",
        "variableType": "String",
        "documentation": "",
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "simple": true,
    "varargSetterDocumentation": "/**<p>The name of the prefix.</p>\n@param prefixListName The name of the prefix.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable": {
        "variableDeclarationType": "String",
        "variableName": "prefixListName",
        "variableType": "String",
        "documentation": "<p>The name of the prefix.</p>",
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
},
"c2jName": "Cidrs",
"c2jShape": "ValueStringList",
"deprecated": false,
"documentation" : "<p>The IP address range of the AWS service.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@<param cidrs The IP address range of the AWS service.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrs",
"getterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@return The IP address range of the AWS service.*/",
"getterMethodName" : "getCidrs",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}.
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>

},
"map" : false,
"mapModel" : null,
"name" : "Cidrs",
"setterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/",
"setterMethodName" : "setCidrs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
  
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setCidrs(java.util.Collection) \} or \{ @link #withCidrs(java.util.Collection) \} if you want to override the existing values.</p>
@param cidrs The IP address range of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IP address range of the AWS service.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "Cidrs" : {
    "c2jName" : "Cidrs",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "<p>The IP address range of the AWS service.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IP address range of the AWS service.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
}
]}

"map" : false,
"mapModel" : null,
"name" : "Cidrs",
"setterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/",
"setterMethodName" : "setCidrs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setCidrs(java.util.Collection) \} or \{ @link #withCidrs(java.util.Collection) \} if you want to override the existing values.</p>
@param cidrs The IP address range of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IP address range of the AWS service.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
}
]}

"map" : false,
"mapModel" : null,
"name" : "Cidrs",
"setterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/",
"setterMethodName" : "setCidrs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setCidrs(java.util.Collection) \} or \{ @link #withCidrs(java.util.Collection) \} if you want to override the existing values.</p>
@param cidrs The IP address range of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IP address range of the AWS service.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
}
]}

"map" : false,
"mapModel" : null,
"name" : "Cidrs",
"setterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/",
"setterMethodName" : "setCidrs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setCidrs(java.util.Collection) \} or \{ @link #withCidrs(java.util.Collection) \} if you want to override the existing values.</p>
@param cidrs The IP address range of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IP address range of the AWS service.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
}
]}

"map" : false,
"mapModel" : null,
"name" : "Cidrs",
"setterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/",
"setterMethodName" : "setCidrs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setCidrs(java.util.Collection) \} or \{ @link #withCidrs(java.util.Collection) \} if you want to override the existing values.</p>
@param cidrs The IP address range of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "cidrs",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IP address range of the AWS service.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
}
"fluentSetterMethodName" : "withCidrs",
"getterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@return The IP address range of the AWS service.*/",
"getterMethodName" : "getCidrs",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CidrSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "cidrSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "**@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "**@return *
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String"}
"variableName" : "prefixListName",
"variableType" : "String",
"documentation" : "<p>The name of the prefix.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}
:requestSignerAware" : false,
:requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "PrefixList",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "PrefixList",
"variableName" : "prefixList",
"variableType" : "PrefixList",
"documentation" : null,
"simpleType" : "PrefixList",
"variableSetterType" : "PrefixList"
},
"wrapper" : false
},
"PrefixListId" : {
"c2jName" : "PrefixListId",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>The ID of the prefix.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "PrefixListId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the prefix.",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withPrefixListId",
"getterDocumentation" : "The ID of the prefix.
@returns The ID of the prefix.
",
"getterMethodName" : "getPrefixListId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "prefixListId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "prefixListId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrefixListId",
"setterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setPrefixListId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
    "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the prefix.
@prefixListId The ID of the prefix.
@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefixListId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"variableType": "String",
"documentation": "<p>The ID of the prefix.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
],
"membersAsMap": {
  "PrefixListId": {
"c2jName": "PrefixListId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the prefix.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the prefix.</p>
@param prefixListId The ID of the
prefix.*/
@return Returns a reference to this object so that method calls can be chained together.*!/",
"fluentSetterMethodName": "withPrefixListId",
"getterDocumentation": "/**<p>The ID of the prefix.</p>
@return The ID of the prefix.*!/",
"getterMethodName": "getPrefixListId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PrefixListId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "prefixListId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrefixListId",
"setterDocumentation": "/**<p>The ID of the prefix.</p>
@param prefixListId The ID of the prefix.*/
@return Returns a reference to this object so that method calls can be chained together.*!/",
"setterMethodName": "setPrefixListId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableType": "String",
  "documentation": "<p>The ID of the prefix.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"variableName" : "prefixListId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : ""/**<p>The ID of the prefix.</p>
@param prefixListId The ID of the prefix.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "prefixListId",
"variableType" : "String",
"documentation" : "<p>The ID of the prefix.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PrefixListId",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "PrefixListId",
"variableName" : "prefixListId",
"variableType" : "PrefixListId",
"documentation" : null,
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"wrapper" : false
},
"PriceSchedule" : {
"c2jName" : "PriceSchedule",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the price for a Reserved Instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Term",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires."",
  "enumType" : null,
  "fluentSetterDocumentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.\n@\nparam term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.\n@\nreturn Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTerm",
  "getterDocumentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.\n\n@return The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.*/",
  "getterMethodName" : "getTerm",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Term",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "term",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Term",

---
**setterDocumentation**:
```
/**
 * The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.
 */
```

**setterMethodName**: `setTerm`,

**setterModel**: {
  **variableDeclarationType**: "Long",
  **variableName**: "term",
  **variableType**: "Long",
  **documentation**: "",
  **simpleType**: "Long",
  **variableSetterType**: "Long"
},

**simple**: true,

**varargSetterDocumentation**: 
```
/**
 * The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.
 */
```

**variable**: {
  **variableDeclarationType**: "Long",
  **variableName**: "term",
  **variableType**: "Long",
  **documentation**: "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.
 */
  **dataType**: "Long",
  **variableSetterType**: "Long"
},

**xmlNameSpaceUri**: null

**c2jName**: "Price",

**c2jShape**: "Double",

**deprecated**: false,

**documentation**: "The fixed price for the term.

**enumType**: null,

**fluentSetterDocumentation**: 
```
/**
 * The fixed price for the term.
 */
```

**fluentSetterMethodName**: `withPrice`,

**getterDocumentation**: 
```
/**
 * The fixed price for the term.
 */
```

**getterMethodName**: `getPrice`,

**getterModel**: {
  **returnType**: "Double",
  **documentation**: null
},

**http**: {
  **additionalMarshallingPath**: null,
  **additionalUnmarshallingPath**: null,
  **flattened**: false,
  **greedy**: false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Price",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "price",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Price",
"setterDocumentation": "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.*="/",
"setterMethodName": "setPrice",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "price",
  "variableType": "Double",
  "documentation": "",
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "price",
  "variableType": "Double",
  "documentation": "<p>The fixed price for the term.</p>",
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"xmlNameSpaceUri": null
},
"c2jName": "CurrencyCode",
"c2jShape": "CurrencyCodeValues",
"deprecated": false,
"documentation": "<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code></p>.
"enumType": "CurrencyCodeValues",
"fluentSetterDocumentation": "/**<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code></p>
@param currencyCode The currency for transacting the
Reserved Instance resale. At this time, the only supported currency is \texttt{USD}.\n
@return Returns a reference to this object so that method calls can be chained together.\n
@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "\texttt{The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \texttt{USD}.}\n
@return The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \texttt{USD}.\n
@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "currencyCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "\texttt{The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \texttt{USD}.}\n
@param currencyCode The currency for transacting the

@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\texttt{The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \texttt{USD}.}\n
@param currencyCode The currency for transacting the
Reserved Instance resale. At this time, the only supported currency is \$.

```java
@return Returns a reference to this object so that method calls can be chained together.

/**
 * The current price schedule, as determined by the term remaining for the Reserved Instance in the listing.
 * A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.
 * @param active The current price schedule, as determined by the term remaining for the Reserved Instance in the listing.
 * A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.
 */
```

The current price schedule, as determined by the term remaining for the Reserved Instance in the listing. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1. A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1. A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.
can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.

```java
@returns Returns a reference to this object so that method calls can be chained together.
```
The current price schedule, as determined by the term remaining for the Reserved Instance in the listing. A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1. A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.
months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.

```java
setterMethodName" : "setActive",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "active",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "The current price schedule, as determined by the term remaining for the Reserved Instance in the listing."<p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.</p>

```java
varargSetterDocumentation" : "The current price schedule, as determined by the term remaining for the Reserved Instance in the listing."<p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.</p>

```java
return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "active",
  "variableType" : "Boolean",
  "documentation" : "The current price schedule, as determined by the term remaining for the Reserved Instance in the listing."<p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.</p>

```java
xmlNameSpaceUri" : null
},
"CurrencyCode" : {
  "c2jName" : "CurrencyCode",
  "c2jShape" : "CurrencyCodeValues",
  "deprecated" : false,
  "documentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.",
  "enumType" : "CurrencyCodeValues",
  "fluentSetterDocumentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>."
}
Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.

```java
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/
```

```json
@getterDocumentation = "/**
 * The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
 * @return The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
 * @see CurrencyCodeValues*/
```

```java
@getterMethodName = "getCurrencyCode",
@getterModel = {
   "returnType" = "String",
   "documentation" = null
},

@http = {
   "additionalMarshallingPath" = null,
   "additionalUnmarshallingPath" = null,
   "flattened" = false,
   "greedy" = false,
   "header" = false,
   "isPayload" = false,
   "isStreaming" = false,
   "location" = null,
   "marshallLocationName" = "CurrencyCode",
   "queryString" = false,
   "statusCode" = false,
   "unmarshallLocationName" = "currencyCode",
   "uri" = false
},

@idempotencyToken = false,
@list = false,
@listModel = null,
@map = false,
@mapModel = null,

@name = "CurrencyCode",

@setterDocumentation = "/**
 * The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
 * @param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
 * @see CurrencyCodeValues*/
```

```java
@setterMethodName = "setCurrencyCode",
@setterModel = {
   "variableDeclarationType" = "String",
   "variableName" = "currencyCode",
   "variableType" = "String",
   "documentation" = "",
   "simpleType" = "String",
   "variableSetterType" = "String"
},

@simple = true,

@varargSetterDocumentation = " /**
 * The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
 * @param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
 * @see CurrencyCodeValues*/
```

```java
```
Reserved Instance resale. At this time, the only supported currency is `<code>USD</code>`.

```java
return
```

Returns a reference to this object so that method calls can be chained together.

```java
@see CurrencyCodeValues*/
```

```java
"variable": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is `<code>USD</code>`.

  "simpleType": "String",
  "variableSetterType": "String"
},

```

```java
"xmlNameSpaceUri": null
```

```java
"Price": {
  "c2jName": "Price",
  "c2jShape": "Double",
  "deprecated": false,
  "documentation": "The fixed price for the term.

  "enumType": null,
  "fluentSetterDocumentation": "The fixed price for the term.

  "fluentSetterMethodName": "withPrice",
  "getterDocumentation": "The fixed price for the term.

  "getterMethodName": "getPrice",
  "getterModel": {
    "returnType": "Double",
    "documentation": null
  },

  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Price",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "price",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
```
"name": "Price",
"setterDocumentation": "/**<p>The fixed price for the term.</p>\n@param price The fixed price for the term.*/",
"setterMethodName": "setPrice",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "price",
  "variableType": "Double",
  "documentation": "",
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The fixed price for the term.</p>\n@param price The fixed price for the term.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "Double",
  "variableSetterType": "Double"
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"xmlNameSpaceUri": null
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  "c2jShape": "Long",
  "deprecated": false,
  "documentation": "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>\n@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "PriceSchedule"
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "enums" : null,
  "errorCode" : null,
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  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>*/",
  "fluentSetterMethodName" : "withTerm",
  "getterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>*/"
second to the last month before the capacity reservation expires.\n@return The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires. */

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  "documentation" : null
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@param price The fixed price for the term.
@return Returns a reference to this object so that method calls can be chained together.
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"documentation" : "<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.</p>",
"enumType" : "CurrencyCodeValues",
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@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
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@return The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
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@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.<p>@see CurrencyCodeValues*/

CurrencyCodeValues*/
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see CurrencyCodeValues*/

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"enumType": "CurrencyCodeValues",
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@return The currency for transacting the Reserved Instance resale. At this time, the only supported currency is $<code>USD</code>$.
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  "getterModel" : {
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    "documentation" : null
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  "variableSetterType": "Double"
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@param price The fixed price for the term.<p/>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "c2jShape": "Long",
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  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.<p/>
@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.<p/>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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@return The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.<p/>
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    "documentation": null
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@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "customization" : {
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  "hasStreamingMember" : false,
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     "documentation" : "<p>The price per instance.</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/**\n * The price per instance.
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     "fluentSetterMethodName" : "withPrice",
     "getterDocumentation" : "/**\n * The price per instance.\n */\n @return The price per instance.*/"}]
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  "documentation" : "",
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  "variableSetterType" : "Double"
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  "variableType" : "Double",
  "documentation" : "<p>The price per instance.</p",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
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"xmlNameSpaceUri" : null
The number of reservations available for the price.

### Count

- **documentation**: The number of reservations available for the price.
- **getterDocumentation**: The number of reservations available for the price.
- **setterDocumentation**: The number of reservations available for the price.
- **getterMethodName**: `getCount`
- **setterMethodName**: `setCount`
- **getterModel**: `{ returnType: "Integer", documentation: null }
- **http**: {}
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  - **additionalUnmarshallingPath**: null
  - **flattened**: false
  - **greedy**: false
  - **header**: false
  - **isPayload**: false
  - **isStreaming**: false
  - **location**: null
  - **marshallLocationName**: "Count"
  - **queryString**: false
  - **statusCode**: false
  - **unmarshallLocationName**: "count"
  - **uri**: false
- **idempotencyToken**: false
- **list**: false
- **listModel**: null
- **map**: false
- **mapModel**: null
- **name**: "Count"
- **setterModel**: {
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 The number of reservations available for the price.\n \n \n @return Returns a reference to this object so that method calls can be chained together.*/",
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 "simpleType": "Integer",
 "variableSetterType": "Integer"
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 "xmlNameSpaceUri": null
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 "membersAsMap": {
 "Count": {
 "c2jName": "Count",
 "c2jShape": "Integer",
 "deprecated": false,
 "documentation": "<p>The number of reservations available for the price.</p>",
 "enumType": null,
 "fluentSetterDocumentation": "/**\n \@param count
 The number of reservations available for the price.\n \n @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName": "withCount",
 "getterDocumentation": "/**\n \n @return The number of reservations available for the price.\n \n *\n",
 "getterMethodName": "getCount",
 "getterModel": {
 "returnType": "Integer",
 "documentation": null
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 "http": {
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 "header": false,
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 "statusCode": false,
 "unmarshallLocationName": "count",
 "uri": false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param {Integer} count The number of reservations available for the price.</*/",
"setterMethodName" : "setCount",
"setterModel" : {
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  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of reservations available for the price.</p>
@param {Integer} count The number of reservations available for the price.
@return Returns a reference to this object so that method calls can be chained together.</*/",
"variable" : {
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  "variableType" : "Integer",
  "documentation" : "<p>The number of reservations available for the price.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"http" : {
  "c2jName" : "Price",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The price per instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The price per instance.</p>
@param {Double} price The price per instance.
@return Returns a reference to this object so that method calls can be chained together.</*/",
  "fluentSetterMethodName" : "withPrice",
  "getterDocumentation" : "/**<p>The price per instance.</p>
@return The price per instance.</*/",
  "getterMethodName" : "getPrice",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "price",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Price",
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@param price The price per instance.*/",
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"setterModel" : {
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  "variableName" : "price",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
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"varargSetterDocumentation" : "/**<p>The price per instance.</p>
@param price The price per instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Double",
  "documentation" : "<p>The price per instance.</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
}
Describes a secondary private IPv4 address for a network interface.

The private IPv4 addresses.

The private IPv4 addresses.

The private IPv4 addresses.

The private IPv4 addresses.

The private IPv4 addresses.
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
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* @param privateIpAddress The private IPv4 addresses.
* @return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The private IPv4 addresses.
* @param privateIpAddress The private IPv4 addresses.
* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>\n* The private IPv4 addresses.</p>
* @param privateIpAddress The private IPv4 addresses.<p>
* @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.</p>
* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.</p>
* @return Returns a reference to this object so that method calls can be chained together.*/"
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"fluentSetterMethodName" : "withPrimary",
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"getterMethodName" : "getPrimary",
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  "returnType" : "Boolean",
  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Primary",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "primary",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**\p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\p>\n@param primary Indicates whether the private IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
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  "variableName" : "primary",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**\p>Indicates whether the private IPv4 address is the primary private IPv4"
address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only
one IPv4 address can be designated as primary.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"Primary" : {
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
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one IPv4 address can be designated as primary.</p>",
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address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrimary",
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address. Only one IPv4 address can be designated as primary.</p>\n@return Indicates whether the private IPv4
address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.*/",
"getterMethodName" : "getPrimary",
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"returnType" : "Boolean",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",

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"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
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address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.*/",
"setterMethodName" : "setPrimary",
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"variableType" : "Boolean",
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"variableSetterType" : "Boolean"
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address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only
one IPv4 address can be designated as primary.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private IPv4 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 addresses.</p>\n@param privateIpAddress The
private IPv4 addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The private IPv4 addresses.</p>\n@return The private IPv4 addresses.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {

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"returnType" : "String",
"documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "privateIpAddress",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**\n@param privateIpAddress The private IPv4 addresses.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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    "variableType" : "String",
    "documentation" : "<p> The private IPv4 addresses. </p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"returnType" : "String",
"documentation" : null
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"isStreaming" : false,
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"map" : false,
"mapModel" : null,
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@param productCodeId The product code.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The product code.</p>
@param productCodeId The product code.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
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"c2jShape" : "ProductCodeValues",
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"enumType" : "ProductCodeValues",
"fluentSetterDocumentation" : "/**<p>The type of product code.</p>
@param productCodeType The type of product code.
@return Returns a reference to this object so that method calls can be chained together.
@see ProductCodeValues*/",
"fluentSetterMethodName" : "withProductCodeType",
"getterDocumentation" : "/**<p>The type of product code.</p>
@return The type of product code.
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"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "type",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductCodeType",
"setterDocumentation" : "/**<p>The type of product code.</p>
@param productCodeType The type of product code.
@return Returns a reference to this object so that method calls can be chained together.
@see ProductCodeValues*/",
"setterMethodName" : "setProductCodeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCodeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation": "/**
 * The type of product code.
 *
 * @param productCodeType The type of product code.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see ProductCodeValues*/",
 "variable": {
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 "variableType": "String",
 "documentation": "<p>The type of product code.</p>",
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 * The product code.
 *
 * @param productCodeId The product code.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
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 "getterDocumentation": "/**
 * The product code.
 *
 * @return The product code.
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 "getterModel": {
 "returnType": "String",
 "documentation": null
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 "http": {
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 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
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 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "productCode",
 "uri": false
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 "idempotencyToken": false,
 "list": false,
 "listModel": null,
 "map": false,
"mapModel": null,
"name": "ProductCodeId",
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@param productCodeId The product code.*/",
"setterMethodName": "setProductCodeId",
"setterModel": {
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  "variableName": "productCodeId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The product code.</p>
@param productCodeId The product code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "productCodeId",
  "variableType": "String",
  "documentation": "<p>The product code.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
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  "c2jShape": "ProductCodeValues",
  "deprecated": false,
  "documentation": "<p>The type of product code.</p>",
  "enumType": "ProductCodeValues",
  "fluentSetterDocumentation": "/**<p>The type of product code.</p>
@param productCodeType The type of product code.
@return Returns a reference to this object so that method calls can be chained together.</param>
@see ProductCodeValues*/",
  "fluentSetterMethodName": "withProductCodeType",
  "getterDocumentation": "/**<p>The type of product code.</p>
@return The type of product code.
@see ProductCodeValues*/",
  "getterMethodName": "getProductCodeType",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
/**<p>The type of product code.</p>
@param productCodeType The type of product code.
@return Returns a reference to this object so that method calls can be chained together.
@see ProductCodeValues*/


"PropagatingVgw" : {
  "c2jName" : "PropagatingVgw",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a virtual private gateway propagating route.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway (VGW).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway (VGW).</p>
\n@param gatewayId
The ID of the virtual private gateway (VGW).\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGatewayId",
    "getterDocumentation" : "/**<p>The ID of the virtual private gateway (VGW).</p>
\n@return The ID of the virtual private gateway (VGW).*/",
    "getterMethodName" : "getGatewayId",
    "getterModel" : {
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      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "isSimple" : false,
      "isType" : false,
      "methodArgument" : false,
      "methodResult" : false,
      "systemProperty" : false
    }
  }
}
"location" : null,
"marshallLocationName" : "GatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "gatewayId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway (VGW).</p>
@param gatewayId The ID of the virtual private gateway (VGW).*/",
"setterMethodName" : "setGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway (VGW).</p>
@param gatewayId The ID of the virtual private gateway (VGW).<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway (VGW).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "GatewayId" : {
    "c2jName" : "GatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway (VGW).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway (VGW).<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simple" : true,
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      "variableSetterType" : "String"
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@return The ID of the
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"map" : false,
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"setterDocumentation" : "/**<p>The ID of the virtual private gateway (VGW).</p>
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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@return Returns a reference to this object so that method
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  "simpleType": "PropagatingVgw",
  "variableSetterType": "PropagatingVgw"
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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  "members": [
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      "deprecated": false,

## Provisioned

```
/**
 * @param provisioned Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Provisioned withProvisioned(Reserved... provisioned)
```

```
@Override
public Provisioned getProvisioned() {
    return provisioned;
}

@Override
public void setProvisioned(Reserved... provisioned) {
    this.provisioned = provisioned;
}
```

```
@Override
public String getProvisioned() {
    return this.provisioned;
}
```

```
public String withProvisioned(String... provisioned)
```

```
public void setProvisioned(String... provisioned)
```

```
/*
 * @return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>
 */

```

```
@returns Returns a reference to this object so that method calls can be chained together.
```


```
@returns Returns a reference to this object so that method calls can be chained together.
```


```
@returns Returns a reference to this object so that method calls can be chained together.
```


```
@returns Returns a reference to this object so that method calls can be chained together.
```


```
@returns Returns a reference to this object so that method calls can be chained together.
```


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- "c2jShape": "DateTime",
- "deprecated": false,


- "fluentSetterMethodName": "withProvisionTime",

- "getterMethodName": "getProvisionTime",
- "getterModel": {
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  "documentation": null
}

- "http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "uri": false
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- "list": false,
- "listModel": null,
- "map": false,
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@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/">Support Center</a>.
*/",
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"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/">Support Center</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "java.util.Date",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
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*/";
Returns a reference to this object so that method calls can be chained together. */

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@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
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        "greedy" : false,
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        "location" : null,
        "marshallLocationName" : "Status",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "status",
        "uri" : false
    },
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    "list" : false,
    "listModel" : null,
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    "mapModel" : null,
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    "setterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@param status Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
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@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
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        "variableType" : "String",
        "documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?"">Support Center</a>.</p>\n@param status Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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}],
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"deprecated" : false,
"documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
"getterMethodName" : "getProvisionTime",
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"fluentSetterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>\n@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "ProvisionTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "provisionTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "java.util.Date",
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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.
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"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"Provisioned": {
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\</p>
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"fluentSetterMethodName": "withProvisioned",
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"http": {
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"shapeName": "Provisioned",
"targetClass": "String"
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "provisioned",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Provisioned",
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@param provisioned Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
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"setterModel" : {
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
@param provisioned Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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},
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},
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"variableType" : "String",
"documentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.<p>
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"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"RequestTime" : {
"c2jName" : "RequestTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/?">Support Center</a>.</p>",
"enumType" : null,
@param requestTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/?">Support Center</a>.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withRequestTime",
"getterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/?">Support Center</a>.</p>
@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/?">Support Center</a>.
*/",
"getterMethodName" : "getRequestTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RequestTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requestTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequestTime",
"setterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/?">Support Center</a>.</p>
*/"
contact us through the &lt;a href="https://console.aws.amazon.com/support/home?"&gt;Support Center&lt;/a&gt;.

\n
@\n
\n
@param requestTime Reserved. If you need to sustain traffic greater than the &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"&gt;documented limits&lt;/a&gt;, contact us through the &lt;a href="https://console.aws.amazon.com/support/home?"&gt;Support Center&lt;/a&gt;.

**setterMethodName** : "setRequestTime",

**setterModel** : {
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  "variableName" : "requestTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,

"varargSetterDocumentation" : "/**&lt;p&gt;Reserved. If you need to sustain traffic greater than the &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"&gt;documented limits&lt;/a&gt;, contact us through the &lt;a href="https://console.aws.amazon.com/support/home?"&gt;Support Center&lt;/a&gt;.&lt;/p&gt;",

"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "requestTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>Reserved. If you need to sustain traffic greater than the &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"&gt;documented limits&lt;/a&gt;, contact us through the &lt;a href="https://console.aws.amazon.com/support/home?"&gt;Support Center&lt;/a&gt;.&lt;/p&gt;",

  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},

"xmlNameSpaceUri" : null
},

"Requested" : {
  "c2jName" : "Requested",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Reserved. If you need to sustain traffic greater than the &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"&gt;documented limits&lt;/a&gt;, contact us through the &lt;a href="https://console.aws.amazon.com/support/home?"&gt;Support Center&lt;/a&gt;.&lt;/p&gt;",

  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;Reserved. If you need to sustain traffic greater than the &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"&gt;documented limits&lt;/a&gt;, contact us through the &lt;a href="https://console.aws.amazon.com/support/home?"&gt;Support Center&lt;/a&gt;.&lt;/p&gt;",

  "variableDeclarationType" : "java.util.Date",
  "variableName" : "requested",
  "variableType" : "java.util.Date",
  "documentation" : "<p>Reserved. If you need to sustain traffic greater than the &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"&gt;documented limits&lt;/a&gt;, contact us through the &lt;a href="https://console.aws.amazon.com/support/home?"&gt;Support Center&lt;/a&gt;.&lt;/p&gt;",

  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},

"xmlNameSpaceUri" : null
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"fluentSetterMethodName": "withRequested",
"getterDocumentation": "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>\n@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>*/",
"getterMethodName": "getRequested",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Requested",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "requested",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Requested",
"setterDocumentation": "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>\n@param requested Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>*/",
"setterMethodName": "setRequested",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "requested",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}.
"simple": true,
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "requested",
  "variableType": "String",
  "documentation": "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
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  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>*/\n@param status Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation": "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>*/\n@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>
getterMethodName": "getStatus",
  "getterDocumentation": "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>*/\n@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>
getterMethodName": "getStatus",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**
<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n</p>@param status Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n</p>@param status Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.\n</p>

<!-- remove this section if you don't want it -->

<%@ return

<!-- remove this section if you don't want it -->

<!-- remove this section if you don't want it -->
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ProvisionedBandwidth",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ProvisionedBandwidth",
"variableName" : "provisionedBandwidth",
"variableType" : "ProvisionedBandwidth",
"documentation" : null,
"simpleType" : "ProvisionedBandwidth",
"variableSetterType" : "ProvisionedBandwidth"
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"wrapper" : false
},
"Purchase" : {
"c2jName" : "Purchase",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the result of the purchase.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "HostReservationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ProvisionedBandwidth",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ProvisionedBandwidth",
"variableName" : "provisionedBandwidth",
"variableType" : "ProvisionedBandwidth",
"documentation" : null,
"simpleType" : "ProvisionedBandwidth",
"variableSetterType" : "ProvisionedBandwidth"
},
"wrapper" : false
},
"Purchase" : {
"c2jName" : "Purchase",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the result of the purchase.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "HostReservationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ProvisionedBandwidth",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "ProvisionedBandwidth",
"variableName" : "provisionedBandwidth",
"variableType" : "ProvisionedBandwidth",
"documentation" : null,
"simpleType" : "ProvisionedBandwidth",
"variableSetterType" : "ProvisionedBandwidth"}
"enumType" : null,
"fluentSetterDocumentation" : /*<p>The ID of the reservation.</p>
@param hostReservationId The ID of the reservation
@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withHostReservationId",
"getterDocumentation" : /*<p>The ID of the reservation.</p>
@return The ID of the reservation.*/
"getterMethodName" : "getHostReservationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostReservationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hostReservationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostReservationId",
"setterDocumentation" : /*<p>The ID of the reservation.</p>
@param hostReservationId The ID of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setHostReservationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hostReservationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /*<p>The ID of the reservation.</p>
@param hostReservationId The ID of the reservation
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hostReservationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableType":"String",
"documentation":"<p>The ID of the reservation.</p>",
"simpleType":"String",
"variableSetterType":"String"
},
"xmlNameSpaceUri":null
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"c2jName":"HostIdSet",
"c2jShape":"ResponseHostIdSet",
"deprecated":false,
"documentation":"<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
"enumType":null,
"fluentSetterDocumentation":"/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withHostIdSet",
"getterDocumentation":"/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@return The IDs of the Dedicated Hosts associated with the reservation.*/",
"getterMethodName":"getHostIdSet",
"getterModel":{
"returnType":"java.util.List<String>",
"documentation":null
},
"http":{
"additionalMarshallingPath":null,
"additionalUnmarshallingPath":null,
"flattened":false,
"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
"marshallLocationName":"HostIdSet",
"queryString":false,
"statusCode":false,
"unmarshallLocationName":"hostIdSet",
"uri":false
},
"idempotencyToken":false,
"list":true,
"listModel":{
"implType":"com.amazonaws.internal.SdkInternalList",
"interfaceType":"java.util.List",
"listMemberModel":{
"c2jName":"member",
"c2jShape":"String",
"deprecated":false,
"documentation":"
"},
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String"
"documentation": "", 
"simpleType": "String", 
"variableSetterType": "String"
}, 
"xmlNameSpaceUri": null }, 
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"memberType": "String", 
"map": false, 
"marshallNonAutoConstructedEmptyLists": false, 
"memberAdditionalMarshallingPath": null, 
"memberAdditionalUnmarshallingPath": null, 
"sendEmptyQueryString": false, 
"simple": true, 
"simpleType": "String", 
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>", 
"templateType": "java.util.List<String>", 
"map": false, 
"mapModel": null, 
"name": "HostIdSet", 
"setterDocumentation": "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>\n@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.</param>*/", 
"setterMethodName": "setHostIdSet", 
"setterModel": { 
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>", 
"variableName": "hostIdSet", 
"variableType": "java.util.List<String>", 
"documentation": "", 
"simpleType": "List<String>", 
"variableSetterType": "java.util.Collection<String>"
}, 
"simple": false, 
"varargSetterDocumentation": "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>\n@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.*/", 
"variable": { 
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>", 
"variableName": "hostIdSet", 
"variableType": "java.util.List<String>", 
"documentation": "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>", 
"simpleType": "List<String>", 
"variableSetterType": "java.util.Collection<String>"
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"xmlNameSpaceUri": null },
"c2jName" : "InstanceFamily",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/
@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceFamily",
"getterDocumentation" : "/*<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/
@returns The instance family on the Dedicated Host that the reservation can be associated with.
@return The instance family on the Dedicated Host that the reservation can be associated with.*/",
"getterMethodName" : "getInstanceFamily",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceFamily",
"queryString" : null,
"statusCode" : false,
"unmarshallLocationName" : "instanceFamily",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceFamily",
"setterDocumentation" : "/*<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/
@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.*/",
"setterMethodName" : "setInstanceFamily",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceFamily",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>
@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceFamily",
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"documentation" : "<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>
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The hourly price of the reservation per hour.

/**
 * The hourly price of the reservation per hour.
 * @param hourlyPrice The hourly price of the reservation per hour.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The hourly price of the reservation per hour.
 * @return The hourly price of the reservation per hour.
 */

/**
 * The hourly price of the reservation per hour.
 * @param hourlyPrice The hourly price of the reservation per hour.
 */

/**
 * The hourly price of the reservation per hour.
 * @param hourlyPrice
 */

/**
 * The hourly price of the reservation per hour.
 * @param hourlyPrice
 */
The hourly price of the reservation per hour.

```java
@return Returns a reference to this object so that method calls can be chained together.
 */

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@param currencyCode The currency in which the <code>UpfrontPrice</code> and
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<code>USD</code>.</p>
@param currencyCode The currency in which the <code>UpfrontPrice</code> and
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@return Returns a reference to this object so that method calls can be chained
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@param currencyCode The currency in which the <code>UpfrontPrice</code> and <code>HourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>
@return Returns a reference to this object so that method calls can be chained together.
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@return The currency in which the <code>UpfrontPrice</code> and <code>HourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>
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@param currencyCode The currency in which the `<code>UpfrontPrice</code>` and `<code>HourlyPrice</code>` amounts are specified. At this time, the only supported currency is `<code>USD</code>`.
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@param currencyCode The currency in which the `<code>UpfrontPrice</code>` and `<code>HourlyPrice</code>` amounts are specified. At this time, the only supported currency is `<code>USD</code>`.
@return Returns a reference to this object so that method calls can be chained together.
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@param duration The duration of the reservation's term in seconds.
@return Returns a reference to this object so that method calls can be chained together.</p>*/";
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```

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@return Returns a reference to this object so that
method calls can be chained together.*/",

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"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>*/

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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HourlyPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hourlyPrice",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**<p>The hourly price of the reservation per hour.</p>*/
@param hourlyPrice The hourly price of the reservation per hour.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/*!<p>The hourly price of the reservation per hour.</p>*/
@param hourlyPrice The hourly price of the reservation per hour.
@return Returns a reference to this object so that method calls can be chained together.",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>The hourly price of the reservation per hour.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceFamily" : {
  "c2jName" : "InstanceFamily",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/*!<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/
@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "withInstanceFamily",
  "getterDocumentation" : "/*!<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/
@return The instance family on the Dedicated Host that the reservation can be associated with.",
  "getterMethodName" : "getInstanceFamily",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceFamily",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceFamily",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceFamily",
"setterDocumentation" :/**<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>
@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.*/",
"setterMethodName" : "setInstanceFamily",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceFamily",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" :/**<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>
@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceFamily",
  "variableType" : "String",
  "documentation" : "<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PaymentOption" : {
"c2jName" : "PaymentOption",
"c2jShape" : "PaymentOption",
"deprecated" : false,
"documentation" : "<p>The payment option for the reservation.</p>",
"enumType" : "PaymentOption",
"fluentSetterDocumentation" : "/**<p>The payment option for the reservation.</p>\
@param paymentOption The payment option for the reservation.\n@return Returns a reference to this object so that method calls can be
chained together.\n@see PaymentOption*/",
"fluentSetterMethodName" : "withPaymentOption",
"getterDocumentation" : "/**<p>The payment option for the reservation.</p>\
@return The payment option for the reservation.\n@see PaymentOption*/",
"getterMethodName" : "getPaymentOption",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "paymentOption",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentOption",
"setterDocumentation" : "/**<p>The payment option for the reservation.</p>\
@param paymentOption The payment option for the reservation.\n@see PaymentOption*/",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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@param paymentOption
The payment option for the reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see PaymentOption*/",
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"documentation": "<p>The payment option for the reservation.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UpfrontPrice": {
"c2jName": "UpfrontPrice",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The upfront price of the reservation.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUpfrontPrice",
"getterDocumentation": "/**<p>The upfront price of the reservation.</p>
@return The upfront price of the reservation.*/",
"getterMethodName": "getUpfrontPrice",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "UpfrontPrice",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "upfrontPrice",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "UpfrontPrice",
"setterDocumentation" : "/**<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.</p>*/",
"setterMethodName" : "setUpfrontPrice",
"setterModel" : {
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    "variableName" : "upfrontPrice",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "upfrontPrice",
    "variableType" : "String",
    "documentation" : "The upfront price of the reservation."",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Purchase",
"unmarshaller" : {
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    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "Purchase",
    "variableName" : "purchase",
    "variableType" : "Purchase",
    "documentation" : null,
    "simpleType" : "Purchase",
    "variableSetterType" : "Purchase"
},
"wrapper" : false
},
"PurchaseHostReservationRequest" : {
"c2jName" : "PurchaseHostReservationRequest",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
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"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the offering.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the offering.</p>
@param offeringId The ID of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withOfferingId",
    "getterDocumentation" : "/**<p>The ID of the offering.</p>
@return The ID of the offering.*/",
    "getterMethodName" : "getOfferingId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "OfferingId",
    },
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"documentation" : "",
"enums" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingId",
"uri" : false },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The ID of the offering.</p>
@param offeringId The ID of the offering.*/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the offering.</p>
@param offeringId The ID of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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  "c2jName" : "HostIdSet",
  "c2jShape" : "RequestHostIdSet",
  "deprecated" : false,
  "documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHostIdSet",
  "getterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
@return The ID/s of the Dedicated Host/s that the reservation will be associated with.
*/",
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  "varargSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : ":HostIdSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : ":HostIdSet",
  "uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "String",
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    "documentation" : "",
    "enumType" : null,
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  @param member
  @return Returns a reference to this object so that
  method calls can be chained together.*/",
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    "getterDocumentation" : "/**
  @return */",
    "getterMethodname" : "getMember",
    "getterModel" : {
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      "documentation" : null
    }
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"memberType" : "String",
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"simpleType" : "String",
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"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "HostIdSet"
"setterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
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  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
,"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setHostIdSet(java.util.Collection)|<i>setHostIdSet</i>](#setHostIdSet) or [@link #withHostIdSet(java.util.Collection)|<i>withHostIdSet</i>](#withHostIdSet) if you want to override the existing values.</p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "LimitPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>
",
"fluentSetterMethodName" : "withLimitPrice",
"getterDocumentation" : "/**<p>The specified limit is checked against the total upfront cost of the reservation</p>
",
"getterMethodName" : "getLimitPrice",
"getterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "limitPrice",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
,"simple" : false,
"varargSetterDocumentation" : "/**<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>
",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "limitPrice",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>
",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
}
(calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00. 

```java
@Return The specified limit is checked against the total upfront cost of the reservation (calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.
```

```java
public class LimitPrice {
    private String limitPrice;

    public String getLimitPrice() {
        return limitPrice;
    }

    public void setLimitPrice(String limitPrice) {
        this.limitPrice = limitPrice;
    }
}
```
The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

```java
@Param limitPrice The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

@return Returns a reference to this object so that method calls can be chained together.
```

```java
@see CurrencyCodeValues
```

```java
@Param currencyCode The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

@return The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
```

```java
@see CurrencyCodeValues
```

```java
@Param currencyCode The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

@return The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
```

```java
@see CurrencyCodeValues
```

```java
@Param currencyCode The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
```

```java
@see CurrencyCodeValues
```

```java
@Param currencyCode The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
```

```java
@see CurrencyCodeValues
```

```java
@Param currencyCode The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
```

```java
@see CurrencyCodeValues
```

```java
@Param currencyCode The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
```

```java
@see CurrencyCodeValues
```
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",

"setterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.

@see CurrencyCodeValues*/

@param currencyCode The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>

@return Returns a reference to this
object so that method calls can be chained together.
@see CurrencyCodeValues*/",

"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>

@see CurrencyCodeValues*/

@param currencyCode The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>

@return Returns a reference to this
object so that method calls can be chained together.
@see CurrencyCodeValues*/",

"variable" : "}
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code></p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, 
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n@return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
*/",
"getterMethodName" : "getClientToken",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;\n&gt;
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.*"*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;\n&gt;
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.*"*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "&lt;p&gt;Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n
"simpleType" : "String",
  "variableSetterType" : "String"
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*\"*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*\"*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;"",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CurrencyCode" : {
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues"}
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.</p>",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.</p>
@param currencyCode The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>.
@return Returns a reference to this
object so that method calls can be chained together.
@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.</p>
@return The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>.
@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.</p>
@param currencyCode The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>.
@see CurrencyCodeValues*/",
"setterMethodName" : "withCurrencyCode"
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>. The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.<p>
@param currencyCode The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>.<p>
@return Returns a reference to this
object so that method calls can be chained together.<p>*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "currencyCode",
    "variableType" : "String",
    "documentation" : 
      "<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.<p>
",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"HostIdSet" : {
  "c2jName" : "HostIdSet",
  "c2jShape" : "RequestHostIdSet",
  "deprecated" : false,
  "documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.<p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated
with.<p>
@return Returns a reference to this object so that method calls can be chained together.<p>*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated
with.<p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated
with.<p>
@return Returns a reference to this object so that method calls can be chained together.<p>*/",
  "fluentSetterMethodName" : "withHostIdSet",
  "getterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated
with.<p>
@return The ID/s of the Dedicated Host/s that the reservation will be associated with.<p>*/",
  "getterMethodName" : "getHostIdSet",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostIdSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "HostIdSet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\n     */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return *
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "HostIdSet",
"setterDocumentation": "/**\n<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.*/",
"setterMethodName": "setHostIdSet",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "hostIdSet",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"}
"variableName" : "hostIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with. NOTE: This method appends the values to the existing list (if any). Use [@link #setHostIdSet(java.util.Collection)] or [@link #withHostIdSet(java.util.Collection)] if you want to override the existing values. @param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with. @return Returns a reference to this object so that method calls can be chained together."",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "xmlNameSpaceUri" : null
},
"LimitPrice" : {
  "c2jName" : "LimitPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.",
  "fluentSetterMethodName" : "withLimitPrice",
  "getterDocumentation" : "The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.",
  "return" : "null"
}
The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

```json
"getterMethodName": "getLimitPrice",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallerLocationName": "LimitPrice",
  "queryString": false,
  "statusCode": false,
  "unmarshallerLocationName": "LimitPrice",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "LimitPrice",
"setterDocumentation": "The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

```
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.<\p>\n@\<param limitPrice The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.<\p>\n\<return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "limitPrice",
    "variableType" : "String",
    "documentation" : "<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"OfferingId" : {
    "c2jName" : "OfferingId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the offering.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\<p>The ID of the offering.<\p>\n\<param offeringId The ID of the offering.<\p>\n\<return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withOfferingId",
    "getterDocumentation" : "/*\<p>The ID of the offering.<\p>\n\<return The ID of the offering.<\p>\n\<\*/",
    "getterMethodName" : "getOfferingId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
"variableSetterType" : "PurchaseHostReservationRequest"
],
"wrapper" : false
],
"PurchaseHostReservationResult" : {
"c2jName" : "PurchaseHostReservationResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : 
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
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Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 8532
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    "variableSetterType" : "java.util.Collection<Purchase>"
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 * \n * **NOTE:** This method appends the values to the existing list (if any). Use \{ @link #setPurchase(java.util.Collection) \} or \{ @link #withPurchase(java.util.Collection) \} if you want to override the existing values.
 * \n * @param purchase Describes the details of the purchase.
 * @return Returns a reference to this object so that method calls can be chained together. */",
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 "fluentSetterDocumentation" : "/**\n * The total amount that will be charged to your account when you purchase the reservation.
 * \n * @param totalUpfrontPrice The total amount that will be charged to your account when you purchase the reservation.
 * @return Returns a reference to this object so that method calls can be chained together. */",
 "fluentSetterMethodName" : "withTotalUpfrontPrice",
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 * \n * @return The total amount that will be charged to your account when you purchase the reservation.
 * \n * @param totalUpfrontPrice The total amount that will be charged to your account when you purchase the reservation.
 * @return Returns a reference to this object so that method calls can be chained together. */",
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@return Returns a reference to this object so that method calls can be chained together. */",
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"enumType": null,
"fluentSetterDocumentation": "/**<p>The total hourly price of the reservation calculated per hour.</p>@param totalHourlyPrice The total hourly price of the reservation calculated per hour.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation": "/**<p>The total hourly price of the reservation calculated per hour.</p>@return The total hourly price of the reservation calculated per hour. */",
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@see CurrencyCodeValues*/",
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@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

@return Returns a reference to this object so that method calls can be chained together.

@see CurrencyCodeValues*/",
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@return The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

@see CurrencyCodeValues*/",
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@see CurrencyCodeValues*/

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|                  | "documentation" : "",
|                  | "simpleType" : "String",
|                  | "variableSetterType" : "String"
|                  | }              |
| simple           | true           |
| varargSetterDocumentation | */**

The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

@see CurrencyCodeValues*/

<table>
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@return Returns a reference to this object so that method calls can be chained together.*/

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| fluentSetterDocumentation | */**

Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@see CurrencyCodeValues*/

<table>
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<th></th>
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| "documentation" | "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i/>

@return Returns a reference to this object so that method calls can be chained together.*/

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"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p>\n@return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>*/",
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  "isStreaming" : false,
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  "variableSetterType" : "String"
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    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i> <i/>
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    "return" Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : /***<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i> <i/>
    "return" Returns a reference to this object so that method calls can be chained together.*/
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Idempotency in the Amazon Elastic Compute Cloud User Guide.

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**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "ClientToken",

**setterDocumentation**: "//**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p> 
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>*/",

**setterMethodName**: "setClientToken",

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**simple**: true,

**varargSetterDocumentation**: "//**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p> 
@param clientToken Unique,
case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.

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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.

@returns Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withCurrencyCode",
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@returns Returns a reference to this object so that method calls can be chained together.*/
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"map" : false,
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"name" : "CurrencyCode",
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<code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is
<code>USD</code>.</p>
@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and
<code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is
<code>USD</code>.</p>
@see CurrencyCodeValues*="/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple" : true,
"varargSetterDocumentation" : "/**::<p>The currency in which the <code>totalUpfrontPrice</code> and
<code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is
<code>USD</code>.</p>
@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and
<code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is
<code>USD</code>.</p>
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<code>USD</code>.</p>
@see CurrencyCodeValues*/",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Describes the details of the purchase.</p>
@param purchase
Describes the details of the purchase.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPurchase",
    "getterDocumentation" : "/***/p>Describes the details of the purchase.</p>
@return Describes the details of the purchase.*/",
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
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        "statusCode" : false,
        "unmarshallLocationName" : "purchase",
        "uri" : false
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            "c2jShape" : "Purchase",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {"returnType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
                "documentation" : null
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        }
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"memberLocationName" : null,
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"marshallNonAutoConstructedEmptyLists" : false,
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Purchase>
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"name" : "Purchase",
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 * Describes the details of the purchase.
 * @param purchase Describes the details of the purchase.
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  "documentation" : "",
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  "variableSetterType" : "java.util.Collection<Purchase>
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 * @param purchase Describes the details of the purchase.
 * @return Returns a reference to this object so that method calls can be chained together.
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  "variableType" : "java.util.List<Purchase>",
  "documentation" : " Describes the details of the purchase."
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  "simpleType" : "List<Purchase>",
  "variableSetterType" : "java.util.Collection<Purchase>
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  "documentation" : " The total hourly price of the reservation calculated per hour.
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"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>The total hourly price of the reservation calculated per hour.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "String",
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"documentation" : "<p>The total amount that will be charged to your account when you purchase the reservation.</p>",
"enumType" : null,
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@param totalUpfrontPrice The total amount that will be charged to your account when you purchase the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTotalUpfrontPrice",
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"getterMethodName" : "getTotalUpfrontPrice",
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"statusCode" : false,
"unmarshallLocationName" : "totalUpfrontPrice",
"uri" : false
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"map" : false,
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"setterMethodName": "setTotalUpfrontPrice",
"setterModel": {
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  "variableName": "totalUpfrontPrice",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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@param totalUpfrontPrice The total amount that will be charged to your account when you purchase the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "The total amount that will be charged to your account when you purchase the reservation.
  
  simpleType": "String",
  "variableSetterType": "String"
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"requestSignerClassFqcn": null,
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  "variableName": "purchaseHostReservationResult",
  "variableType": "PurchaseHostReservationResult",
  "documentation": null,
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
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    "documentation" : "<p>Describes a request to purchase Scheduled Instances.</p>",
    "enums" : null,
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The purchase token.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The purchase token.</p>
@param purchaseToken The purchase token.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withPurchaseToken",
        "getterDocumentation" : "/**<p>The purchase token.</p>
@return The purchase token.*/",
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            "documentation" : null
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "PurchaseToken",
            "uri" : false
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    }
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"idempotencyToken" : false,
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@param purchaseToken The purchase token.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The number of instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The number of instances.</p>
@return The number of instances.*/",
  "getterMethodName" : "getInstanceCount",
  "getterModel" : {
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    "documentation" : null
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"setterDocumentation" : "/**<p>The number of instances.</p>
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  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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@param instanceCount The number of instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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  "deprecated" : false,
  "documentation" : "The number of instances.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "fluentSetterDocumentation" : "The number of instances.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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}
instances.

@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/**<p>The number of instances.</p>
\n@returns The number of instances.*/

"getterMethodName" : "getInstanceCount",
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  "isStreaming" : false,
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"map" : false,
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"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of instances.</p>
\n@param instanceCount The number of instances.
\n@returns Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setInstanceCount",
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  "variableType" : "Integer",
  "documentation" : "",
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  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of instances.</p>
\n@param instanceCount The number of instances.
\n@returns Returns a reference to this object so that method calls can be chained together.*/

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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/*",
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"getterDocumentation" : "/*<p>The purchase token.</p>@return The purchase token.@*/
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"documentation" : null
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"getterDocumentation" : "/*<p>The purchase token.</p>@return The purchase token.@*/
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"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "PurchaseToken",
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"listModel" : null,
"map" : false,
"mapModel" : null,
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "<p>The purchase token.</p>
@param purchaseToken The purchase
token.
@return Returns a reference to this object so that method calls can be chained together.*/

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  "variableName" : "purchaseToken",
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  "variableSetterType" : "String"
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  "variableType" : "PurchaseRequest",
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  "simpleType" : "PurchaseRequest",
  "variableSetterType" : "PurchaseRequest"
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  "deprecated" : false,
  "documentation" : "Contains the parameters for PurchaseReservedInstancesOffering.",
  "enums" : null,
  "errorCode" : null,
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  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
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"members": [
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    "deprecated": false,
    "documentation": 
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    "enumType": null,
    "fluentSetterDocumentation": 
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@param reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.
@return Returns a reference to this object so that method calls can be chained together."/",
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    "getterDocumentation": 
    "/**<p>The ID of the Reserved Instance offering to purchase.</p>
@return The ID of the Reserved Instance offering to purchase."/",
    "getterMethodName": "getReservedInstancesOfferingId",
    "getterModel": {
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      "documentation": null
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "ReservedInstancesOfferingId",
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      "statusCode": false,
      "unmarshallLocationName": "ReservedInstancesOfferingId",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
"name" : "ReservedInstancesOfferingId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.\n@param reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.*/
 [@param reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.\n @return Returns a reference to this object so that method calls can be chained together.*/

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 "varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.\n@param reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.\n@return Returns a reference to this object so that method calls can be chained together.*/
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 "variableName" : "reservedInstancesOfferingId",
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 "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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 "c2jShape" : "Integer",
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 "documentation" : "<p>The number of Reserved Instances to purchase.\n/enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The number of Reserved Instances to purchase.\n@param instanceCount The number of Reserved Instances to purchase.\n@return Returns a reference to this object so that method calls can be chained together.*/
 "fluentSetterMethodName" : "withInstanceCount",
 "getterDocumentation" : "/**<p>The number of Reserved Instances to purchase.\n@return The number of Reserved Instances to purchase.\n/returnType" : "Integer",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "header" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**\n*p>The number of Reserved Instances to purchase.</p>\n@param instanceCount The number of Reserved Instances to purchase.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The number of Reserved Instances to purchase.</p>\n@param instanceCount The number of Reserved Instances to purchase.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of Reserved Instances to purchase.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LimitPrice",
"c2jShape" : "ReservedInstanceLimitPrice",
"deprecated" : false,
"documentation" : "<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n*p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>\n@param limitPrice

---

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Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.  

```java
@return Returns a reference to this object so that method calls can be chained together. */

"getterMethodName" : "getLimitPrice",
"getterModel" : {
  "returnType" : "ReservedInstanceLimitPrice",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LimitPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "limitPrice",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "LimitPrice",

"setterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>

@param limitPrice Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices. */

"setterMethodName" : "setLimitPrice",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "",
  "simpleType" : "ReservedInstanceLimitPrice",
  "variableSetterType" : "ReservedInstanceLimitPrice"
},

"simple" : false,
```
"varargSetterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>*/
@param limitPrice Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "ReservedInstanceLimitPrice"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceCount" : {
    "c2jName" : "InstanceCount",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The number of Reserved Instances to purchase.
@return The number of Reserved Instances to purchase.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of Reserved Instances to purchase.</p>
@param instanceCount The number of Reserved Instances to purchase.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceCount",
    "getterDocumentation" : "/**<p>The number of Reserved Instances to purchase.</p>
@return The number of Reserved Instances to purchase.*/",
    "getterMethodName" : "getInstanceCount",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceCount",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceCount",
      "uri" : false
The number of Reserved Instances to purchase.

```java
public void setInstanceCount(Integer instanceCount)
```

Simple type:

```java
public Integer getInstanceCount()
```

```
/**
 * The number of Reserved Instances to purchase.
 * @param instanceCount
 */
```

```
varargSetterDocumentation": "/**
 * The number of Reserved Instances to purchase.
 * @param instanceCount
 * @return
 */
```

```java
xmlNameSpaceUri" : null

```

```java
"LimitPrice" : {
    "c2jName" : "LimitPrice",
    "c2jShape" : "ReservedInstanceLimitPrice",
    "deprecated" : false,
    "documentation" : "Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices."
}
```

```
" Limi tPrice": 
```

```java
withLimitPrice
```

```
getterDocumentation" : "/**
 * Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices."
```

```java
withLimitPrice
```

```
getterMethodName" : "getLimitPrice",
```

```
getterMethodNam e": "getLimitPrice",
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```
/**
 * The number of Reserved Instances to purchase.
 * @param limitPrice
 * @return
 */
```

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purchased at unexpected prices.*/
getterMethodName" : "getLimitPrice",
"getterModel" : {
  "returnType" : "ReservedInstanceLimitPrice",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LimitPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "limitPrice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LimitPrice",
"setterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>
@param limitPrice Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.*/
setterMethodName" : "setLimitPrice",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "",
  "simpleType" : "ReservedInstanceLimitPrice",
  "variableSetterType" : "ReservedInstanceLimitPrice"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>
@param limitPrice Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 8562
"variableName" : "limitPrice",
"variableType" : "ReservedInstanceLimitPrice",
"documentation" : "<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>",
"simpleType" : "ReservedInstanceLimitPrice",
"variableSetterType" : "ReservedInstanceLimitPrice"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesOfferingId" : {
"c2jName" : "ReservedInstancesOfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Reserved Instance offering to purchase.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.</p>
@param
reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesOfferingId",
"getterDocumentation" : "<p>The ID of the Reserved Instance offering to purchase.</p>
@return The ID of the Reserved Instance offering to purchase.
",
"getterMethodName" : "getReservedInstancesOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesOfferingId",
"queryString" : null,
"statusCode" : null,
"unmarshallLocationName" : "ReservedInstancesOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.</p>
@param
reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.
@return Returns a reference to this object so that method calls can be chained together.*/
"
}"
reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.*/*",
  "setterMethodName" : "setReservedInstancesOfferingId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesOfferingId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : ""/**<p>The ID of the Reserved Instance offering to purchase. </p>\n@para" reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.\n@return Returns a reference to this object so that method calls can be chained together."*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesOfferingId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Reserved Instance offering to purchase.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "ReservedInstancesOfferingId", "InstanceCount" ],
"shapeName" : "PurchaseReservedInstancesOfferingRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "PurchaseReservedInstancesOfferingRequest",
  "variableName" : "purchaseReservedInstancesOfferingRequest",
  "variableType" : "PurchaseReservedInstancesOfferingRequest",
  "documentation" : null,
  "simpleType" : "PurchaseReservedInstancesOfferingRequest",
  "variableSetterType" : "PurchaseReservedInstancesOfferingRequest"
},

"wrapper" : false
},

"PurchaseReservedInstancesOfferingResult" : {
  "c2jName" : "PurchaseReservedInstancesOfferingResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
}
"deprecated" : false,
"documentation" : "<p>Contains the output of PurchaseReservedInstancesOffering.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { "c2jName" : "ReservedInstancesId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IDs of the purchased Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the purchased Reserved Instances.</p>
@param reservedInstancesId The IDs of the purchased Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**<p>The IDs of the purchased Reserved Instances.</p>
@return The IDs of the purchased Reserved Instances.*/",
"getterMethodName" : "getReservedInstancesId",
"getterModel" : { "returnType" : "String", "documentation" : null },
"http" : { "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The IDs of the purchased Reserved Instances.</p>
@param reservedInstancesId The IDs of the purchased Reserved Instances.*/"
reservedInstancesId The IDs of the purchased Reserved Instances. */",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The IDs of the purchased Reserved Instances.\n@param reservedInstancesId The IDs of the purchased Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "<p>The IDs of the purchased Reserved Instances.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"ReservedInstancesId" : {
"c2jName" : "ReservedInstancesId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IDs of the purchased Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>The IDs of the purchased Reserved Instances.\n@param reservedInstancesId The IDs of the purchased Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**\p>The IDs of the purchased Reserved Instances.\n@return The IDs of the purchased Reserved Instances. */",
"getterMethodName" : "getReservedInstancesId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "<p>The IDs of the purchased Reserved Instances.</p>
@param reservedInstancesId The IDs of the purchased Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The IDs of the purchased Reserved Instances.</p>
@param reservedInstancesId The IDs of the purchased Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "PurchaseReservedInstancesOfferingResult",
"unmarshalller" : {
  "flattened" : false,
  "resultWrapper" : null
}
"variable" : {
  "variableDeclarationType" : "PurchaseReservedInstancesOfferingResult",
  "variableName" : "purchaseReservedInstancesOfferingResult",
  "variableType" : "PurchaseReservedInstancesOfferingResult",
  "documentation" : null,
  "simpleType" : "PurchaseReservedInstancesOfferingResult",
  "variableSetterType" : "PurchaseReservedInstancesOfferingResult"
},
"wrapper" : false
},
"PurchaseScheduledInstancesRequest" : {
  "c2jName" : "PurchaseScheduledInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for PurchaseScheduledInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "PurchaseScheduledInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>\n\n@\nparam clientToken Unique, case-sensitive identifier that ensures the idempotency of the"
request. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>`.

```
@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**\n<p>Unique, case-sensitive identifier that ensures the idempotency of the request.

For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>`.

\</p>*/

@returns Returns a reference to this object so that method calls can be chained together.

"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : true,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**\n<p>Unique, case-sensitive identifier that ensures the idempotency of the request.

For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>`.

\</p>*/

@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"xmlName" : null,
"variableType" : "String",
"variableValue" : null
},
"xml" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"xmlLocationName" : null
},
"xmlName" : "ClientToken",
"xmlType" : "ClientToken",
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableValue" : null
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see \n<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see \n<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PurchaseRequests",
"c2jShape" : "PurchaseRequestSet",
"deprecated" : false,
"documentation" : "<p>One or more purchase requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>One or more purchase requests.</p>
@param purchaseRequests One or more purchase requests.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPurchaseRequests",
"getterDocumentation" : "/**\n<p>One or more purchase requests.</p>
@return One or more purchase requests.*/",
"getterMethodName" : "getPurchaseRequests",
"getModel" : {
"returnType" : "java.util.List<PurchaseRequest>",
"documentation" : "",
},
"http" : {
"additionalMarshallingPath" : "null",
"additionalUnmarshallingPath" : "null",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PurchaseRequest",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PurchaseRequest",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PurchaseRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     *param member 
     *return Returns a reference to this object so that
     *method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     *return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PurchaseRequest",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "PurchaseRequest",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "PurchaseRequest",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "PurchaseRequest",
  "variableName": "member",
  "variableType": "PurchaseRequest",
  "documentation": "",
  "simpleType": "PurchaseRequest",
  "variableSetterType": "PurchaseRequest"
},
"simple": false,
"varargSetterDocumentation": "/**\n@member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "PurchaseRequest",
  "variableName": "member",
  "variableType": "PurchaseRequest",
  "documentation": "",
  "simpleType": "PurchaseRequest",
  "variableSetterType": "PurchaseRequest"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "PurchaseRequest",
"memberType": "PurchaseRequest",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "PurchaseRequest",
"templateImplType": "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
"templateType": "java.util.List<PurchaseRequest>",
"map": false,
"mapModel": null,
"name": "PurchaseRequests",
"setterDocumentation": "/**<p>One or more purchase requests.</p>
@param purchaseRequests One or more purchase requests.*/",
"setterMethodName": "setPurchaseRequests",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
  "variableName": "purchaseRequests",
  "variableType": "java.util.List<PurchaseRequest>",
  "documentation": "",
  "simpleType": "List<PurchaseRequest>"
"variableSetterType" : "java.util.Collection<PurchaseRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more purchase requests.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPurchaseRequests(java.util.Collection)} or {@link #withPurchaseRequests(java.util.Collection)} if you want to override the existing values.</p>
@param purchaseRequests One or more purchase requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
"variableName" : "purchaseRequests",
"variableType" : "java.util.List<PurchaseRequest>",
"documentation" : "One or more purchase requests.
<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"" target="_blank">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"" target="_blank">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"ClientToken" : {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"" target="_blank">Ensuring Idempotency</a>
"},
"enumType" : null,
"fluentSetterDocumentation" : "Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"" target="_blank">Ensuring Idempotency</a>.
"param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"" target="_blank">Ensuring Idempotency</a>. Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"" target="_blank">Ensuring Idempotency</a>.
"return Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"" target="_blank">Ensuring Idempotency</a>.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}"}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ClientToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ClientToken",
    "uri" : false
},
"idempotencyToken" : true,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a><p>*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken".
}
"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PurchaseRequests" : {
"c2jName" : "PurchaseRequests",
"c2jShape" : "PurchaseRequestSet",
"deprecated" : false,
"documentation" : "<p>One or more purchase requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more purchase requests.</p>
@param purchaseRequests One or more purchase requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPurchaseRequests",
"getterDocumentation" : "/**<p>One or more purchase requests.</p>
@return One or more purchase requests.*/",
"getterMethodName" : "getPurchaseRequests",
"getterModel" : {
"returnType" : "java.util.List<PurchaseRequest>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PurchaseRequest",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PurchaseRequest",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" :
"c2jName" : "member",
"c2jShape" : "PurchaseRequest",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getterModel" : {
"returnType" : "PurchaseRequest",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PurchaseRequest",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PurchaseRequest",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "PurchaseRequest",
"variableName" : "member",
"variableType" : "PurchaseRequest",
"documentation" : "",
"simpleType" : "PurchaseRequest",
"variableSetterType" : "PurchaseRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "PurchaseRequest",
  "variableName" : "member",
  "variableType" : "PurchaseRequest",
  "documentation" : "",
  "simpleType" : "PurchaseRequest",
  "variableSetterType" : "PurchaseRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PurchaseRequest",
"memberType" : "PurchaseRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PurchaseRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
"templateType" : "java.util.List<PurchaseRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "PurchaseRequests",
"setterDocumentation" : "/**<p>One or more purchase requests.</p>
@param purchaseRequests One or more purchase requests.*/",
"setterMethodName" : "setPurchaseRequests",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
  "variableName" : "purchaseRequests",
  "variableType" : "java.util.List<PurchaseRequest>",
  "documentation" : "",
  "simpleType" : "List<PurchaseRequest>",
  "variableSetterType" : "java.util.Collection<PurchaseRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more purchase requests.</p>
@param purchaseRequests One or more purchase requests.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
  "variableName" : "purchaseRequests",
  "variableType" : "java.util.List<PurchaseRequest>",
  "documentation" : "<p>One or more purchase requests.</p>
  "simpleType" : "List<PurchaseRequest>",
  "variableSetterType" : "List<PurchaseRequest>",
  "xmlNameSpaceUri" : null
}
"variableSetterType" : "java.util.Collection<PurchaseRequest>",
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "PurchaseRequests" ],
"shapeName" : "PurchaseScheduledInstancesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "PurchaseScheduledInstancesRequest",
"variableName" : "purchaseScheduledInstancesRequest",
"variableType" : "PurchaseScheduledInstancesRequest",
"documentation" : null,
"simpleType" : "PurchaseScheduledInstancesRequest",
"variableSetterType" : "PurchaseScheduledInstancesRequest"
},
"wrapper" : false
},
"PurchaseScheduledInstancesResult" : {
"c2jName" : "PurchaseScheduledInstancesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of PurchaseScheduledInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "ScheduledInstanceSet",
"c2jShape" : "PurchasedScheduledInstanceSet",
"deprecated" : false,
"documentation" : "<p>Information about the Scheduled Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**/*.p>Information about the Scheduled Instances.</p>
\n@param
scheduledInstanceSet Information about the Scheduled Instances.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withScheduledInstanceSet",
"getterDocumentation" : "/**/*.p>Information about the Scheduled Instances.</p>
\n@return Information about
the Scheduled Instances.*}/
  "getterMethodName" : "getScheduledInstanceSet",
  "getterModel" : {
    "returnType" : "java.util.List<ScheduledInstance>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ScheduledInstanceSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "scheduledInstanceSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "ListModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "ScheduledInstance",
      "deprecated" : false,
      "documentation" : 
    },
    "idempotencyToken" : true,
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstance",
  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstance",
  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "ScheduledInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"templateType" : "java.util.List<ScheduledInstance>"
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceSet",
"setterDocumentation" : "/**\n* Information about the Scheduled Instances.*/
@param scheduledInstanceSet Information about the Scheduled Instances.*\n*/",
"setterMethodName" : "setScheduledInstanceSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName" : "scheduledInstanceSet",
  "variableType" : "java.util.List<ScheduledInstance>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstance>",
  "variableSetterType" : "java.util.Collection<ScheduledInstance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* Information about the Scheduled Instances.\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setScheduledInstanceSet(java.util.Collection)\} or \{@link #withScheduledInstanceSet(java.util.Collection)\} if you want to override the existing values.\n*/\n@param scheduledInstanceSet Information about the Scheduled Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName" : "scheduledInstanceSet",
  "variableType" : "java.util.List<ScheduledInstance>",
  "documentation" : "<p>Information about the Scheduled Instances.</p>",
  "simpleType" : "List<ScheduledInstance>",
  "variableSetterType" : "java.util.Collection<ScheduledInstance>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ScheduledInstanceSet" : {
    "c2jName" : "ScheduledInstanceSet",
    "c2jShape" : "PurchasedScheduledInstanceSet",
    "deprecated" : false,
    "documentation" : "<p>Information about the Scheduled Instances.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* Information about the Scheduled Instances.\n*\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withScheduledInstanceSet",
    "getterDocumentation" : "/**\n* Information about the Scheduled Instances.\n*\n@returns Information about the Scheduled Instances.*/",
    "getterMethodName" : "getScheduledInstanceSet",
    "getterModel" : {
      "returnType" : "java.util.List<ScheduledInstance>",
      "documentation" : null
    }
  }
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstance",
"variableName" : "member",
"variableType" : "ScheduledInstance",
"documentation" : "",
"simpleType" : "ScheduledInstance",
"variableSetterType" : "ScheduledInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ScheduledInstance",
"variableName" : "member",
"variableType" : "ScheduledInstance",
"documentation" : "",
"simpleType" : "ScheduledInstance",
"variableSetterType" : "ScheduledInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ScheduledInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"templateType" : "java.util.List<ScheduledInstance>"
},
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceSet",
"setterDocumentation" : "/**\n<p>Information about the Scheduled Instances.</p>\n@p"
scheduledInstanceSet Information about the Scheduled Instances.*"/
    
    "setterMethodName" : "setScheduledInstanceSet",
    "setterModel" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
        "variableName" : "scheduledInstanceSet",
        "variableType" : "java.util.List<ScheduledInstance>",
        "documentation" : "",
        "simpleType" : "List<ScheduledInstance>",
        "variableSetterType" : "java.util.Collection<ScheduledInstance>",
    },
    "simple" : false,
    "varargSetterDocumentation" : "*/<p>Information about the Scheduled Instances.</p>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setScheduledInstanceSet(java.util.Collection) or @link #withScheduledInstanceSet(java.util.Collection) if you want to override the existing values.</p>
    @param scheduledInstanceSet Information about the Scheduled Instances.
    @return Returns a reference to this object so that method calls can be chained together.*"/
    
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
        "variableName" : "scheduledInstanceSet",
        "variableType" : "java.util.List<ScheduledInstance>",
        "documentation" : "<p>Information about the Scheduled Instances.</p>
        "variableSetterType" : "java.util.Collection<ScheduledInstance>",
    },
    "xmlNameSpaceUri" : null
},
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PurchaseScheduledInstancesResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "PurchaseScheduledInstancesResult",
    "variableName" : "purchaseScheduledInstancesResult",
    "variableType" : "PurchaseScheduledInstancesResult",
    "documentation" : null,
    "simpleType" : "PurchaseScheduledInstancesResult",
    "variableSetterType" : "PurchaseScheduledInstancesResult"
},
"wrapper" : false
},
"RIProductDescription" : {
    "c2jName" : "RIProductDescription",
    "customization" : {

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "LinuxUNIX",
"value" : "Linux/UNIX"
}, {
"name" : "LinuxUNIXAmazonVPC",
"value" : "Linux/UNIX (Amazon VPC)"
}, {
"name" : "Windows",
"value" : "Windows"
}, {
"name" : "WindowsAmazonVPC",
"value" : "Windows (Amazon VPC)"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RIProductDescription",
"unmarshaller" : { 
"flattened" : false,
"resultWrapper" : null
},
"variable" : { 
"variableDeclarationType" : "RIProductDescription",
"variableName" : "rIProductDescription",
"variableType" : "RIProductDescription",
"documentation" : null,
"simpleType" : "RIProductDescription",
"variableSetterType" : "RIProductDescription"
},
"wrapper" : false
},
"RebootInstancesRequest" : { 
"c2jName" : "RebootInstancesRequest",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RebootInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
    "action" : "RebootInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [ {
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>One or more instance IDs.</p>
\n@param instanceIds One or more instance IDs.
\n@return Returns a reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName" : "withInstanceIds",
    "getterDocumentation" : "<p>One or more instance IDs.</p>
\n@return One or more instance IDs.
",
    "getterMethodName" : "getInstanceIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "InstanceId",
        "queryString" : false,
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**\n@param instanceIds One or more instance IDs.*/

setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param instanceIds One or more instance IDs.*/

NOTE: This method
append the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>

@see InstanceIdList

<p>One or more instance IDs.</p>

@return Returns a reference to this object so that method calls can be chained together.</p>

* */

/**
 * @param instanceIds One or more instance IDs.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

<code>
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more instance IDs.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
  }
},
"membersAsMap" : {
  "InstanceIds" : {
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
    @param instanceIds One or more instance IDs.
    @return Returns a reference to this object so that method calls can be chained together.
    */
    "fluentSetterMethodName" : "withInstanceIds",
    "getterDocumentation" : "/**<p>One or more instance IDs.</p>
    @return One or more instance IDs.
    */
    "getterMethodName" : "getInstanceIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "c2jName" : "InstanceId",
      "c2jShape" : "InstanceIdStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more instance IDs.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
      @param instanceIds One or more instance IDs.
      @return Returns a reference to this object so that method calls can be chained together.
      */
      "fluentSetterMethodName" : "withInstanceIds",
      "getterDocumentation" : "/**<p>One or more instance IDs.</p>
      @return One or more instance IDs.
      */
      "getterMethodName" : "getInstanceIds",
      "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "InstanceId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "InstanceId",
        "uri" : false
      },
      "idempotencyToken" : false,
      "list" : true,
      "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "c2jName" : "InstanceId",
        "c2jShape" : "InstanceIdStringList",
        "deprecated" : false,
        "documentation" : "<p>One or more instance IDs.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
        @param instanceIds One or more instance IDs.
        @return Returns a reference to this object so that method calls can be chained together.
        */
        "fluentSetterMethodName" : "withInstanceIds",
        "getterDocumentation" : "/**<p>One or more instance IDs.</p>
        @return One or more instance IDs.
        */
        "getterMethodName" : "getInstanceIds",
        "getterModel" : {
          "returnType" : "java.util.List<String>",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "header" : false,
          "isPayload" : false,
          "isStreaming" : false,
          "location" : null,
          "marshallLocationName" : "InstanceId",
          "queryString" : false,
          "statusCode" : false,
          "unmarshallLocationName" : "InstanceId",
          "uri" : false
        },
        "idempotencyToken" : false,
        "list" : true,
        "listModel" : {
          "implType" : "com.amazonaws.internal.SdkInternalList",
          "c2jName" : "InstanceId",
          "c2jShape" : "InstanceIdStringList",
          "deprecated" : false,
          "documentation" : "<p>One or more instance IDs.</p>",
          "enumType" : null,
          "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
          @param instanceIds One or more instance IDs.
          @return Returns a reference to this object so that method calls can be chained together.
          */
          "fluentSetterMethodName" : "withInstanceIds",
          "getterDocumentation" : "/**<p>One or more instance IDs.</p>
          @return One or more instance IDs.
          */
          "getterMethodName" : "getInstanceIds",
          "getterModel" : {
            "returnType" : "java.util.List<String>",
            "documentation" : null
          },
          "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "InstanceId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "InstanceId",
            "uri" : false
          },
          "idempotencyToken" : false,
          "list" : true,
          "listModel" : {
            "implType" : "com.amazonaws.internal.SdkInternalList",
            "c2jName" : "InstanceId",
            "c2jShape" : "InstanceIdStringList",
            "deprecated" : false,
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   @param member
   @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**\n@param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**\n<p>One or more instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #getInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "getInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"varargSetterDocumentation" : "/**\n<p>One or more instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #getInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"varargSetterDocumentation" : "/**\n<p>One or more instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #getInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceIds" ],
"shapeName" : "RebootInstancesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "RebootInstancesRequest",
  "variableName" : "rebootInstancesRequest",
  "variableType" : "RebootInstancesRequest",
  "documentation" : null,
  "simpleType" : "RebootInstancesRequest",
  "variableSetterType" : "RebootInstancesRequest"
},
"wrapper" : false
},
"RebootInstancesResult" : {
  "c2jName" : "RebootInstancesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RebootInstancesResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  }
}
"variable": {
  "variableDeclarationType": "RebootInstancesResult",
  "variableName": "rebootInstancesResult",
  "variableType": "RebootInstancesResult",
  "documentation": null,
  "simpleType": "RebootInstancesResult",
  "variableSetterType": "RebootInstancesResult"
},
"wrapper": false
},
"RecurringCharge": {
  "c2jName": "RecurringCharge",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes a recurring charge.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [{
    "c2jName": "Frequency",
    "c2jShape": "RecurringChargeFrequency",
    "deprecated": false,
    "documentation": "<p>The frequency of the recurring charge.</p>",
    "enumType": "RecurringChargeFrequency",
    "fluentSetterDocumentation": "/**<p>The frequency of the recurring charge.</p>
@param frequency The frequency of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.
@see RecurringChargeFrequency*/",
    "fluentSetterMethodName": "withFrequency",
    "getterDocumentation": "/**<p>The frequency of the recurring charge.</p>
@return The frequency of the recurring charge.
@see RecurringChargeFrequency*/",
    "getterMethodName": "getFrequency",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Frequency",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "frequency",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Frequency",
"setterDocumentation" : "/**\n * The frequency of the recurring charge.
 */\n @param frequency The frequency of the recurring charge.\n @see RecurringChargeFrequency*/",
"setterMethodName" : "setFrequency",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "frequency",
 "variableType" : "String",
 "documentation" : ",",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The frequency of the recurring charge.\n */\n @param frequency The frequency of the recurring charge.\n @return Returns a reference to this object so that method calls can be chained together.\n @see RecurringChargeFrequency*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "frequency",
 "variableType" : "String",
 "documentation" : "The frequency of the recurring charge.\n",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Amount",
 "c2jShape" : "Double",
 "deprecated" : false,
 "documentation" : "The amount of the recurring charge.\n",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * The amount of the recurring charge.\n */\n @param amount The amount
of the recurring charge.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withAmount",
"getterDocumentation" : "/**<p>The amount of the recurring charge.</p>

@return The amount of the recurring charge.*/",
"getterMethodName" : "getAmount",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Amount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Amount",
"setterDocumentation" : "/**<p>The amount of the recurring charge.</p>

@param amount The amount of the recurring charge.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAmount",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "amount",
"variableType" : "Double",
"documentation" : "",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The amount of the recurring charge.</p>

@param amount The amount of the recurring charge.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "amount",
"variableType" : "Double",
"documentation" : "",
"simpleType" : "Double",
"variableSetterType" : "Double"
}
"setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "amount",
    "variableType" : "Double",
    "documentation" : "",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},
    "simple" : true,
    "varargSetterDocumentation" : "/**\n\n@param amount The amount of the recurring charge.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
    "variableDeclarationType" : "Double",
    "variableName" : "amount",
    "variableType" : "Double",
    "documentation" : "The amount of the recurring charge.\n@param amount The amount of the recurring charge.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},
    "xmlNameSpaceUri" : null
},
    "Frequency" : {
    "c2jName" : "Frequency",
    "c2jShape" : "RecurringChargeFrequency",
    "deprecated" : false,
    "documentation" : "The frequency of the recurring charge.\n\n@param frequency The frequency of the recurring charge.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RecurringChargeFrequency*/",
    "fluentSetterDocumentation" : "/**\n\n@param frequency The frequency of the recurring charge.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RecurringChargeFrequency*/",
    "fluentSetterMethodName" : "withFrequency",
    "getterDocumentation" : "/**\n\n@param frequency The frequency of the recurring charge.\n@return The frequency of the recurring charge.\n@see RecurringChargeFrequency*/",
    "getterMethodName" : "getFrequency",
    "getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
    "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "Frequency",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "frequency",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Frequency",
"setterDocumentation" : "/**<p>The frequency of the recurring charge.</p>
@param frequency The frequency of the recurring charge.
@see RecurringChargeFrequency*/",
"setterMethodName" : "setFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The frequency of the recurring charge.</p>
@param frequency The frequency of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.
@see RecurringChargeFrequency*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency of the recurring charge.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "RecurringCharge",
"unmarshall" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency of the recurring charge.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"variableName" : "recurringCharge",
"variableType" : "RecurringCharge",
"documentation" : null,
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
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"wrapper" : false
},
"RecurringChargeFrequency" : {
"c2jName" : "RecurringChargeFrequency",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
  "name" : "Hourly",
  "value" : "Hourly"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RecurringChargeFrequency",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RecurringChargeFrequency",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "RecurringChargeFrequency",
  "documentation" : null,
  "simpleType" : "RecurringChargeFrequency",
  "variableSetterType" : "RecurringChargeFrequency"
},
"wrapper" : false
}
"Region" : {
  "c2jName" : "Region",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\n  <p>Describes a region.</p>\n  ",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "RegionName",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "\n      <p>The name of the region.</p>\n      ",
      "enumType" : null,
      "fluentSetterDocumentation" : "\n      /**\n      \n      @param regionName The name of the region.\n      \n      @return Returns a reference to this object so that method calls can be chained together.*/\n      ",
      "fluentSetterMethodName" : "withRegionName",
      "getterDocumentation" : "\n      /**\n      \n      @return The name of the region.\n      \n      @return Returns a reference to this object so that method calls can be chained together.*/\n      ",
      "getterMethodName" : "getRegionName",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "RegionName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "regionName",
        "uri" : false
      },
      "idempotencyToken" : false,
    }
  ]
}
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RegionName",
"setterDocumentation" : "/**\n<p>The name of the region.</p>
@param regionName The name of the region.*/",
"setterMethodName" : "setRegionName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "regionName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The name of the region.</p>
@param regionName The name of the region.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "regionName",
  "variableType" : "String",
  "documentation" : "\n<p>The name of the region.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Endpoint",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n<p>The region service endpoint.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The region service endpoint.</p>
@param endpoint The region service endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEndpoint",
"getterDocumentation" : "/**\n<p>The region service endpoint.</p>
@return The region service endpoint.*/",
"getterMethodName" : "getEndpoint",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
  "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RegionEndpoint",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "regionEndpoint",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Endpoint",
"setterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEndpoint",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "<p>The region service endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
"Endpoint" : {
  "c2jName" : "Endpoint",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The region service endpoint.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "name" : "Endpoint",
  "setterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setEndpoint",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "endpoint",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The region service endpoint.
@param endpoint The region service endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "endpoint",
    "variableType" : "String",
    "documentation" : "<p>The region service endpoint.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}].
service endpoint.

@<return> Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withEndpoint",
"getterDocumentation" : "/*\<p>The region service endpoint.\</p>\@return The region service endpoint.*/",
"getterMethodName" : "getEndpoint",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RegionEndpoint",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "regionEndpoint",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Endpoint",
"setterDocumentation" : "/*\<p>The region service endpoint.\</p>\<param endpoint The region service endpoint.*/",
"setterMethodName" : "setEndpoint",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "endpoint",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The region service endpoint.\</p>\<param endpoint The region service endpoint.\</p>\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "endpoint",
"variableType" : "String",
"documentation" : ""}.
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"RegionName": {
"c2jName": "RegionName",
"c2jShape": "String",
"deprecated": false,
"documentation": "\<p\>The name of the region.\</p\>",
"enumType": null,
"fluentSetterDocumentation": "\</*/p\>\n@param regionName The name of the region.\</p\>\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName": "withRegionName",
"getterDocumentation": "\</*/p\>\n@return The name of the region.\*/",
"getterMethod_Name": "getRegionName",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RegionName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "regionName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RegionName",
"setterDocumentation": "\</*/p\>\n@param regionName The name of the region.\</p\>\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"setterMethodName": "setRegionName",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "regionName",
"variableType": "String"}
"documentation" : """,
"complexType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\/*\*<p>The name of the region.</p>@param regionName The name of the region.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "regionName",
"variableType" : "String",
"documentation" : "<p>The name of the region.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Region",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "Region",
"variableName" : "region",
"variableType" : "Region",
"documentation" : null,
"simpleType" : "Region",
"variableSetterType" : "Region"
},
"wrapper" : false
},
"RegisterImageRequest" : {
"c2jName" : "RegisterImageRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RegisterImage.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "RegisterImage",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "ImageLocation",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The full path to your AMI manifest in Amazon S3 storage.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**&lt;p&gt;The full path to your AMI manifest in Amazon S3 storage.&lt;/p&gt;&lt;hr&gt;&lt;br&gt;&lt;param&gt;imageLocation The full path to your AMI manifest in Amazon S3 storage.&lt;/param&gt;&lt;returns&gt;Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withImageLocation",
    "getterDocumentation" : "/**&lt;p&gt;The full path to your AMI manifest in Amazon S3 storage.&lt;/p&gt;&lt;returns&gt;The full path to your AMI manifest in Amazon S3 storage.&lt;/returns&gt;*/",
    "getterMethodName" : "getImageLocation",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ImageLocation",
      "queryString" : false,
      "statusName" : false,
      "unmarshallLocationName" : "ImageLocation",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "ImageLocation",
"setterDocumentation" : "/**<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@name The full path to your AMI manifest in Amazon S3 storage.*"/",
"setterMethodName" : "setImageLocation",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageLocation",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@varargSetter The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageLocation",
  "variableType" : "String",
  "documentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@variable The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"xmlNameSpaceUri" : null
},
"c2jName" : "Name",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A name for your AMI.</p>
@name A name for your AMI.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"getterDocumentation" : "<p>A name for your AMI.</p>
@getter A name for your AMI.
@return A name for your AMI.*"/",
"getterMethodName" : "getName",
"getterModel" : {
  "name" : "AMIServerName",
  "setterDocumentation" : "<p>A name for your AMI.</p>
@setter A name for your AMI.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"setterMethodName" : "setAMIServerName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "amIServerName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>A name for your AMI.</p>
@varargSetter A name for your AMI.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "amIServerName",
  "variableType" : "String",
  "documentation" : "<p>A name for your AMI.</p>
@variable A name for your AMI.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"xmlNameSpaceUri" : null
},
"c2jName" : "AMIServerName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A name for your AMI.</p>
@documentation A name for your AMI.
@return A name for your AMI.*"/",
"getterDocumentation" : "<p>A name for your AMI.</p>
@getter A name for your AMI.
@return A name for your AMI.*"/",
"getterMethodName" : "getAMIServerName",
"getterModel" : {
  "name" : "ImageName",
  "setterDocumentation" : "<p>A name for your AMI manifest in Amazon S3 storage.</p>
@setter A name for your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"setterMethodName" : "setImageName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>A name for your AMI manifest in Amazon S3 storage.</p>
@varargSetter A name for your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageName",
  "variableType" : "String",
  "documentation" : "<p>A name for your AMI manifest in Amazon S3 storage.</p>
@variable A name for your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"xmlNameSpaceUri" : null
},
"c2jName" : "ImageName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A name for your AMI manifest in Amazon S3 storage.</p>
@documentation A name for your AMI manifest in Amazon S3 storage.
@return A name for your AMI manifest in Amazon S3 storage.*"/",
"getterDocumentation" : "<p>A name for your AMI manifest in Amazon S3 storage.</p>
@getter A name for your AMI manifest in Amazon S3 storage.
@return A name for your AMI manifest in Amazon S3 storage.*"/",
"getterMethodName" : "getImageName",
"getterModel" : {
  "name" : "ImageManifestLocation",
  "setterDocumentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@setter The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"setterMethodName" : "setImageManifestLocation",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageManifestLocation",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@varargSetter The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageManifestLocation",
  "variableType" : "String",
  "documentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@variable The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"xmlNameSpaceUri" : null
},
"c2jName" : "ImageManifestLocation",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@documentation The full path to your AMI manifest in Amazon S3 storage.
@return A reference to this object so that method calls can be chained together.*"/",
"getterDocumentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@getter The full path to your AMI manifest in Amazon S3 storage.
@return A reference to this object so that method calls can be chained together.*"/",
"getterMethodName" : "getImageManifestLocation",
"getterModel" : {
  "name" : "ImageRegion",
  "setterDocumentation" : "<p>A region for your AMI manifest in Amazon S3 storage.</p>
@setter A region for your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"setterMethodName" : "setImageRegion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageRegion",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>A region for your AMI manifest in Amazon S3 storage.</p>
@varargSetter A region for your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageRegion",
  "variableType" : "String",
  "documentation" : "<p>A region for your AMI manifest in Amazon S3 storage.</p>
@variable A region for your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"xmlNameSpaceUri" : null
},
"c2jName" : "ImageRegion",
"c2jShape" : "String",
"deprecated" : false,
"returnType" : "String",
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Name",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "name",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>
@param name A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>
@param name A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)
@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableType" : "String",
    "documentation" : "A name for your AMI. Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_).",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description for your AMI."
},
"enumType" : null,
"fluentSetterDocumentation" : "A description for your AMI."
},
"getterDocumentation" : "A description for your AMI."
},
"getterMethodName" : "getDescription",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "A description for your AMI."
},
"setterMethodName" : "setDescription",
"setterModel" : {
    "xmlNameSpaceUri" : null
}
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for your AMI.</p>
@param description A description
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "description",
 "variableType" : "String",
 "documentation" : "<p>A description for your AMI.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Architecture",
"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>",
"enumType" : "ArchitectureValues",
"fluentSetterDocumentation" : "/**<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "/**<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>
@return The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>
@see ArchitectureValues*/",
"getterMethodName" : "getArchitecture",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Architecture",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "architecture",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the AMI. Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>\n@see <code>ArchitectureValues</code>*/",
"setterMethodName" : "setArchitecture",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The architecture of the AMI. Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>\n@see <code>ArchitectureValues</code>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "<p>The architecture of the AMI. Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "KernelId",
"c2jShape" : "String"
"deprecated" : false,
"documentation" : "<p>The ID of the kernel.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the kernel.</p>\n@param kernelId The ID of the kernel.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**<p>The ID of the kernel.</p>
@return The ID of the kernel.*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KernelId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "kernelId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>\n@param kernelId The ID of the kernel.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String"}
"variableName": "kernelId",
"variableType": "String",
"documentation": "<p>The ID of the kernel.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "RamdiskId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the RAM disk.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withRamdiskId",
"getterDocumentation": "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName": "getRamdiskId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RamdiskId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ramdiskId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RamdiskId",
"setterDocumentation": "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setRamdiskId",
"setterModel": {
"variableDeclarationType": "String",}
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@n@param ramdiskId The ID of the RAM
disk.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "<p>The ID of the RAM disk.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RootDeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the root device (for example, <code>/dev/sda1</code>, or
<code>/dev/xvda</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or
<code>/dev/xvda</code>).</p>
@n@param rootDeviceName The name of the root device (for example,
<code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRootDeviceName",
"getterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or
<code>/dev/xvda</code>).</p>
@n@return The name of the root device (for example, <code>/dev/sda1</code>, or
<code>/dev/xvda</code>).\n@n@return The name of the root device (for example, <code>/dev/sda1</code>, or
<code>/dev/xvda</code>).*/",
"getterMethodName" : "getRootDeviceName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RootDeviceName",}
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BlockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "BlockDeviceMapping",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"templateType" : "java.util.List<BlockDeviceMapping>",
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.</p>*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
NOTE:<h>
This method appends the values to the existing list (if any). Use { @link #setBlockDeviceMappings(java.util.Collection) } or { @link #withBlockDeviceMappings(java.util.Collection) } if you want to override the existing values.</h>
@returns Returns a reference to this object so that method calls can be chained together."*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<BlockDeviceMapping>",
    "documentation" : "One or more block device mapping entries.",
    "simpleType" : "List<BlockDeviceMapping>",
    "variableSetterType" : "java.util.Collection<BlockDeviceMapping>",
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "VirtualizationType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The type of virtualization.
Default: <code>paravirtual</code>
@return Returns a reference to this object so that method calls can be chained together."*/",
  "fluentSetterDocumentation" : "/**<p>The type of virtualization.</p>
Default: <code>paravirtual</code>
@return The type of virtualization.
</p>
@returns Returns a reference to this object so that method calls can be chained together."*/",
  "fluentSetterMethodName" : "withVirtualizationType",
  "getterDocumentation" : "/**<p>The type of virtualization.</p>
Default: <code>paravirtual</code>
@return The type of virtualization.
</p>
@returns Returns a reference to this object so that method calls can be chained together."*/",
  "getterMethodName" : "getVirtualizationType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VirtualizationType",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "virtualizationType",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VirtualizationType",
"setterDocumentation": "/**<p>The type of virtualization.</p> <p>Default: \<code>paravirtual</code> */ 
@param virtualizationType The type of virtualization.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName": "setVirtualizationType",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "virtualizationType",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The type of virtualization.</p> <p>Default: \<code>paravirtual</code> */ 
@param virtualizationType The type of virtualization.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "String",
"variableName": "virtualizationType",
"variableType": "String",
"documentation": "\<p>The type of virtualization.</p> <p>Default: \<code>paravirtual</code> </p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "SriovNetSupport",
"c2jShape": "String"
"deprecated" : false,
"documentation" : "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599
Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to
disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs.
Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>">
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the
Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There
is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM
AMIs. Specifying this option with a PV AMI can make instances launched from the AMI
unreachable.</p>\n@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the
Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There
is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM
AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel
82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There
is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM
AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>\n@return Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There
is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM
AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>\n@return Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There
is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM
AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>*/",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SriovNetSupport",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "sriovNetSupport",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.)

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.)

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sriovNetSupport",
    "variableType" : "String",
    "documentation" : "Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.)

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.)

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@return Returns a reference to this object so that method calls can be chained together.*/";
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@return Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.*/",
"getterMethodName" : "getEnaSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnaSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enaSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.*/",
"setterMethodName" : "setEnaSupport"
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null
} ]

"membersAsMap" : {
  "Architecture" : {
    "c2jName" : "Architecture",
    "c2jShape" : "ArchitectureValues",
    "deprecated" : false,
    "documentation" : "<p>The architecture of the AMI.</p><p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>
    "enumType" : "ArchitectureValues",
    "fluentSetterDocumentation" : "/*<p>The architecture of the AMI.</p><p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>
    "getterDocumentation" : "/*<p>The architecture of the AMI.</p><p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>
    "getterMethodName" : "getArchitecture",
    "setterDocumentation" : "/*<p>The architecture of the AMI.</p><p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>
    "setterMethodName" : "setArchitecture",
    "xmlNameSpaceUri" : null
  } }
"getterModel": {
    "returnType": "String",
    "documentation": null
},

"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Architecture",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "architecture",
    "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "Architecture",

"setterDocumentation": "/**<p>The architecture of the AMI. Default: For Amazon EBS-backed AMIs, `<code>i386</code>`.
For instance store-backed AMIs, the architecture specified in the manifest file.</p>

@param architecture The architecture of the AMI.

@see ArchitectureValues*/",

"setterMethodName": "setArchitecture",

"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "architecture",
    "variableType": "String",
    "documentation": 
    "simple": true,

"varargSetterDocumentation": "/**<p>The architecture of the AMI. Default: For Amazon EBS-backed AMIs, `<code>i386</code>`.
For instance store-backed AMIs, the architecture specified in the manifest file.

@return Returns a reference to this object so that method calls can be chained together.

@see ArchitectureValues*/",

"variable": {
    "variableDeclarationType": "String",
    "variableName": "architecture",

---

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"variableType" : "String",
"documentation" : "<p>The architecture of the AMI.</p> 
<p>Default: For Amazon EBS-backed AMIs, &lt;code&gt;i386&lt;/code&gt;, For instance store-backed AMIs, the architecture specified in the manifest file.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"BlockDeviceMappings" : {
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingRequestList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.-->",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns One or more block device mapping entries.-->",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List&lt;BlockDeviceMapping&gt;",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "BlockDeviceMapping",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "BlockDeviceMapping",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "BlockDeviceMapping",
"BlockDeviceMapping": {
"c2jName" : "BlockDeviceMapping",
"c2jShape" : "BlockDeviceMappingRequestList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.-->",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns One or more block device mapping entries.-->",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List&lt;BlockDeviceMapping&gt;",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "BlockDeviceMapping",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "BlockDeviceMapping",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "BlockDeviceMapping",
"BlockDeviceMapping": {
"c2jName" : "BlockDeviceMapping",
"c2jShape" : "BlockDeviceMappingRequestList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.-->",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns One or more block device mapping entries.-->",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List&lt;BlockDeviceMapping&gt;",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "BlockDeviceMapping",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "BlockDeviceMapping",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "BlockDeviceMapping",
"BlockDeviceMapping": {
"c2jName" : "BlockDeviceMapping",
"c2jShape" : "BlockDeviceMappingRequestList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.-->",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns One or more block device mapping entries.-->",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List&lt;BlockDeviceMapping&gt;",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "BlockDeviceMapping",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "BlockDeviceMapping",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "BlockDeviceMapping",
"BlockDeviceMapping": {
"c2jName" : "BlockDeviceMapping",
"c2jShape" : "BlockDeviceMappingRequestList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.-->",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "&lt;!--&lt;p&gt;One or more block device mapping entries.&lt;/p&gt;\n@returns One or more block device mapping entries.-->",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List&lt;BlockDeviceMapping&gt;",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "BlockDeviceMapping",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "BlockDeviceMapping",
 "uri" : false
},
"idempotencyToken" : false,
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "BlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BlockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"}
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>
",
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**
\p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.*\*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>
"},
"simple" : false,
"varargSetterDocumentation" : "/**\p>One or more block device mapping entries.</p>

\p>NOTE:\n
This method appends the values to the existing list (if any). Use {\link #setBlockDeviceMappings(java.util.Collection)} or {\link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings One or more block device mapping entries.

@returns Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "One or more block device mapping entries.</p>
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>
"}
"xmlNameSpaceUri" : null,
},
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description for your AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for your AMI.</p>
@param description A description for your AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>A description for your AMI.</p>
@return A description for your AMI.
*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for your AMI.</p>
@param description A description for your AMI.
*/",
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"isStreaming": false,
"location": null,
"marshallLocationName": "EnaSupport",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "enaSupport",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EnaSupport",
"setterDocumentation": "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p><@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p><returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEnaSupport",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p><@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p><returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p><p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p><returns Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
"ImageLocation" : {
  "c2jName" : "ImageLocation",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The full path to your AMI manifest in Amazon S3 storage.<p/>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The full path to your AMI manifest in Amazon S3 storage.<p/>
 @param imageLocation The full path to your AMI manifest in Amazon S3 storage.<p/>
 @return Returns a reference to this object so that method calls can be chained together.*
 */",
  "fluentSetterMethodName" : "withImageLocation",
  "getterDocumentation" : "/**<p>The full path to your AMI manifest in Amazon S3 storage.<p/>
 @return The full path to your AMI manifest in Amazon S3 storage.<p/>
 */",
  "getterMethodName" : "getImageLocation",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImageLocation",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ImageLocation",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImageLocation",
  "setterDocumentation" : "/**<p>The full path to your AMI manifest in Amazon S3 storage.<p/>
 @param imageLocation The full path to your AMI manifest in Amazon S3 storage.<p/>
 @return The full path to your AMI manifest in Amazon S3 storage.<p/>
 */",
  "setterMethodName" : "setImageLocation",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageLocation",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "isLazy" : false,
    "isUnion" : false,
    "isVarArgs" : false,
    "location" : null,
    "marshallLocationName" : "ImageLocation",
    "queryLocationName" : "ImageLocation",
    "statusLocationName" : "ImageLocation",
    "unmarshallLocationName" : "ImageLocation",
    "uriLocationName" : "ImageLocation"
  }
}
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The full path to your AMI manifest in Amazon S3 storage.\n* @param imageLocation The full path to your AMI manifest in Amazon S3 storage.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageLocation",
"variableType" : "String",
"documentation" : "\n* The full path to your AMI manifest in Amazon S3 storage.\n* @param imageLocation The full path to your AMI manifest in Amazon S3 storage.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"KernelId" : {
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n* The ID of the kernel.\n* @return The ID of the kernel.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**\n* The ID of the kernel.\n* @param kernelId The ID of the kernel.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**\n* The ID of the kernel.\n* @return The ID of the kernel.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "KernelId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "kernelId",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
**KernelId**

- **setterDocumentation**: `/**<p>The ID of the kernel.</p>@param kernelId The ID of the kernel.*/`  
  - **setterMethodName**: `setKernelId`,  
  - **setterModel**:  
    - **variableDeclarationType**: "String",  
    - **variableName**: "kernelId",  
    - **variableType**: "String",  
    - **documentation**: 
      - "<p>The ID of the kernel.</p>`,  
    - **simpleType**: "String",  
    - **variableSetterType**: "String"  
  ),  
  - **simple**: true,  
  - **varargSetterDocumentation**: `/**<p>The ID of the kernel.</p>@param kernelId The ID of the kernel:<br>\n@return Returns a reference to this object so that method calls can be chained together.*/`,  
  - **variable**:  
    - **variableDeclarationType**: "String",  
    - **variableName**: "kernelId",  
    - **variableType**: "String",  
    - **documentation**: "<p>The ID of the kernel.</p>`,  
    - **simpleType**: "String",  
    - **variableSetterType**: "String"  
  }  

**Name**

- **c2jName**: "Name",  
- **c2jShape**: "String",  
- **deprecated**: false,  
- **documentation**: "A name for your AMI."  
  - **enumType**: null,  
  - **fluentSetterDocumentation**: /*<p>A name for your AMI.</p>@param name A name for your AMI.<br>\n@return A name for your AMI.</p>`,  
  - **getterDocumentation**: /*<p>A name for your AMI.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",  
  - **fluentSetterMethodName**: "withName",  
  - **getterMethodName**: "getName",  
- **setterDocumentation**: /*<p>A name for your AMI.</p>@param name A name for your AMI.<br>\n@return A name for your AMI.</p>`,  
  - **setterMethodName**: "setName",  
  - **setterModel**:  
    - **variableDeclarationType**: "String",  
    - **variableName**: "name",  
    - **variableType**: "String",  
    - **documentation**: "A name for your AMI."  
  )  

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Name",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "name",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>
@param name A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>
@param name A name for your AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableName" : "name",
"variableType" : "String",
"documentation" : "<p>A name for your AMI.</p>
Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"RamdiskId" : {
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
*/"}
"setterMethodName" : "setRamdiskId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "ramdiskId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>@param ramdiskId The ID of the RAM disk.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ramdiskId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/

"RootDeviceName" : {
    "c2jName" : "RootDeviceName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>):</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>):
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRootDeviceName",
    "getterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>):</p>
@return The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>):*/",
    "getterMethodName" : "getRootDeviceName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RootDeviceName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "rootDeviceName",
"uri": false}
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RootDeviceName",
"setterDocumentation": "/**
<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). */",
"setterMethodName": "setRootDeviceName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName",
  "variableType": "String",
  "documentation": "<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SriovNetSupport": {
  "c2jName": "SriovNetSupport",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599
"fluentSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@return Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.*/",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SriovNetSupport",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "sriovNetSupport",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "SriovNetSupport",}
**setterDocumentation**: 

/*
<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p>
<p>There is no way to disable <code>sriovNetSupport</code> at this time.</p>

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@<param name="sriovNetSupport">
Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p>
<p>There is no way to disable <code>sriovNetSupport</code> at this time.</p>

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

*/

```

**setterMethodName**: setSriovNetSupport,

**setterModel**: {

*variableDeclarationType*: "String",

*variableName*: "sriovNetSupport",

*variableType*: "String",

*documentation*: "",

*simpleType*: "String",

*variableSetterType*: "String"
}

*simple*: true,

**varargSetterDocumentation**: */*

Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.

There is no way to disable <code>sriovNetSupport</code> at this time.

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@<param name="sriovNetSupport">
Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.

There is no way to disable <code>sriovNetSupport</code> at this time.

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

Returns a reference to this object so that method calls can be chained together.

*/

```

*variable*: {

*variableDeclarationType*: "String",

*variableName*: "sriovNetSupport",

*variableType*: "String",

*documentation*: "Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.

There is no way to disable <code>sriovNetSupport</code> at this time.

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

*variableSetterType*: "String"
},

*xmlNameSpaceUri*: null
},

**VirtualizationType**: {

*c2jName*: "VirtualizationType",

*c2jShape*: "String",

*deprecated*: false,

*documentation*: "The type of virtualization.

Default: <code>paravirtual</code>

*/

```

*enumType*: null,

**fluentSetterDocumentation**: */*

The type of virtualization.

Default: <code>paravirtual</code>

@<param name="virtualizationType">

The type of virtualization.

Default: <code>paravirtual</code>

*/

```

```
Returns a reference to this object so that method calls can be chained together. */

"getterDocumentation" : "/**<p>The type of virtualization.</p> <p>Default: <code>paravirtual</code> */

@returns The type of virtualization. <p>Default: <code>paravirtual</code> */",

"getterMethodName" : "getVirtualizationType",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VirtualizationType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "virtualizationType",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "VirtualizationType",

"setterDocumentation" : "/**<p>The type of virtualization.</p> <p>Default: <code>paravirtual</code> */

@returns The type of virtualization. <p>Default: <code>paravirtual</code> */",

"setterMethodName" : "setVirtualizationType",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The type of virtualization.</p> <p>Default: <code>paravirtual</code> */

@returns The type of virtualization. <p>Default: <code>paravirtual</code> */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"variableType" : "String",
"documentation" : "<p>The type of virtualization.</p> Default: <code>paravirtual</code> \</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Name" ],
"shapeName" : "RegisterImageRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "RegisterImageRequest",
"variableName" : "registerImageRequest",
"variableType" : "RegisterImageRequest",
"documentation" : null,
"simpleType" : "RegisterImageRequest",
"variableSetterType" : "RegisterImageRequest"
},
"wrapper" : false
],
"RegisterImageResult" : {
"c2jName" : "RegisterImageResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of RegisterImage.</p>\",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the newly registered AMI.</p>\",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the newly registered AMI.</p><p>@param imageId The ID of the newly registered AMI

@return Returns a reference to this object so that method calls can be chained
\n*/","imageId":null}
}
together.

"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@return The ID of the newly registered AMI.*/",
"getterMethodId" : "getImageId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "imageId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@param imageId The ID of the newly registered AMI.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodId" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableSetterType" : "String"
}
"variableType" : "String",
"documentation" : "<p>The ID of the newly registered AMI.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
 "ImageId" : {
 "c2jName" : "ImageId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the newly registered AMI.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "*/<p>The ID of the newly registered AMI.</p>\n@returns The ID of the newly registered AMI.*/",
 "getterDocumentation" : "*/<p>The ID of the newly registered AMI.</p>\n@returns The ID of the newly registered AMI.*/",
 "getterMethodName" : "getImageId",
 "getterModel" : {
   "returnType" : "String",
   "documentation" : null
 },
 "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ImageId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "imageId",
   "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "ImageId",
 "setterDocumentation" : "*/<p>The ID of the newly registered AMI.</p>\n@returns The ID of the newly registered AMI.*/";}
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String" }
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe ID of the newly registered AMI.
@param imageId The ID of the newly registered AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "The ID of the newly registered AMI.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String" },
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RegisterImageResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"wrapper" : false,
"RejectVpcPeeringConnectionRequest" : {
  "c2jName" : "RejectVpcPeeringConnectionRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RejectVpcPeeringConnection.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "RejectVpcPeeringConnection",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC
peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"documentation" : 
<p>Contains the parameters for RejectVpcPeeringConnection.</p>"
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "VpcPeeringConnectionId" : {
    "c2jName" : "VpcPeeringConnectionId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC peering connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
    @param vpcPeeringConnectionId The ID of the VPC peering connection.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcPeeringConnectionId",
    "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
    @param vpcPeeringConnectionId The ID of the VPC peering connection.\n    @return The ID of the VPC peering connection.*/",
    "getterMethodName" : "getVpcPeeringConnectionId",
    "getterModel" : {"uri" : false, "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "VpcPeeringConnectionId", "setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.*/", "setterMethodName" : "setVpcPeeringConnectionId", "setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}},
"membersAsMap" : {
  "VpcPeeringConnectionId" : {
    "c2jName" : "VpcPeeringConnectionId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC peering connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
    @param vpcPeeringConnectionId The ID of the VPC peering connection.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcPeeringConnectionId",
    "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
    @param vpcPeeringConnectionId The ID of the VPC peering connection.\n    @return The ID of the VPC peering connection.*/",
    "getterMethodName" : "getVpcPeeringConnectionId",
    "getterModel" : {"uri" : false, "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "VpcPeeringConnectionId", "setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.*/", "setterMethodName" : "setVpcPeeringConnectionId", "setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}}}
"returnType" : "String",
"documentation" : null
},
"http" : {  
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Return",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "return",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p><p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p><p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/",
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "RejectVpcPeeringConnectionResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "RejectVpcPeeringConnectionResult",
"variableName" : "rejectVpcPeeringConnectionResult",
"variableType" : "RejectVpcPeeringConnectionResult",
"documentation" : null,
"simpleType" : "RejectVpcPeeringConnectionResult",
"variableSetterType" : "RejectVpcPeeringConnectionResult"
},
"wrapper" : false
},
"ReleaseAddressRequest" : {
"c2jName" : "ReleaseAddressRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**<p>
[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.*/",
"setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>
[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "[EC2-Classic] The Elastic IP address. Required for EC2-Classic.<p/>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "AllocationId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAllocationId",
"getterDocumentation": "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return [EC2-
VPC] The allocation ID. Required for EC2-VPC.*/",
"getterMethodName": "getAllocationId",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"c2jName" : "AllocationId",
"c2jShape" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
@return [EC2-VPC] The allocation ID. Required for EC2-VPC.*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AllocationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
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  "variableType": "String",
  "documentation": "<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
"PublicIp": {
  "c2jName": "PublicIp",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>[EC2-Classic] The Elastic IP address. Required for EC2-Classic.</p>
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withPublicIp",
  "getterDocumentation": "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@return [EC2-Classic] The Elastic IP address. Required for EC2-Classic. */",
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  "getterModel": {
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  "http": {
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "PublicIp",
    "uri": false
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"map" : false,
"mapModel" : null,
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@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic. */",
"setterMethodName" : "setPublicIp",
"setterModel" : {
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    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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    "simpleType" : "String",
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReleaseAddressRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "ReleaseAddressRequest",
    "variableName" : "releaseAddressRequest",
    "variableType" : "ReleaseAddressRequest",
    "documentation" : null,
    "simpleType" : "ReleaseAddressRequest",
    "variableSetterType" : "ReleaseAddressRequest"
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"wrapper" : false
},
"ReleaseAddressResult" : {
    "c2jName" : "ReleaseAddressResult",
    "customization" : {

"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
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"hasPayloadMember": false,
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"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ReleaseAddressResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ReleaseAddressResult",
  "variableName": "releaseAddressResult",
  "variableType": "ReleaseAddressResult",
  "documentation": null,
  "simpleType": "ReleaseAddressResult",
  "variableSetterType": "ReleaseAddressResult"
},
"wrapper": false
},
"ReleaseHostsRequest": {
  "c2jName": "ReleaseHostsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ReleaseHosts.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "ReleaseHosts",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "HostIds",
  "c2jShape" : "RequestHostIdList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
@param hostIds The IDs of the Dedicated Hosts you want to release.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHostIds",
  "getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
@return The IDs of the Dedicated Hosts you want to release.*/",
  "getterMethodName" : "getHostIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HostId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "hostId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "Id",
      "c2jShape" : "IdList",
      "documentation" : null
    }
  }
}
}
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": 
"enumType": null,
"fluentSetterDocumentation": 
  /**
   * @param member 
   * @return Returns a reference to this object so that method calls can be chained together.*/
  
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": 
  /**
   * @return */
  
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
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    "greedy": false,
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    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": 
  /**
   * @param member */
  
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": 
  /**
   * @param member 
   * @return Returns a reference to this object so that method calls can be chained together.*/
  
  "varargSetterMethodName": "withMember"}
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
@param hostIds The IDs of the Dedicated Hosts you want to release.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setHostIds(java.util.Collection)] or [@link #withHostIds(java.util.Collection) if you want to override the existing values.
@param hostIds The IDs of the Dedicated Hosts you want to release.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>"
"variableSetterType" : "java.util.Collection<String>"},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"HostIds" : {
"c2jName" : "HostIds",
"c2jShape" : "RequestHostIdList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
@param hostIds The IDs of the Dedicated Hosts you want to release.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"fluentSetterMethodName" : "withHostIds",
"getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
@return The IDs of the Dedicated Hosts you want to release.*/*",
"getterMethodName" : "getHostIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
@param hostIds
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setHostIds(java.util.Collection)} or {@link #withHostIds(java.util.Collection)} if you want to override the existing values.</p>
@param hostIds The IDs of the Dedicated Hosts you want to release.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
},

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
@param hostIds
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link 
#setHostIds(java.util.Collection)} or {@link #withHostIds(java.util.Collection)} if you want to override the existing
values.</p>
@param hostIds The IDs of the Dedicated Hosts you want to release.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
}
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["HostIds"],
"shapeName": "ReleaseHostsRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "ReleaseHostsRequest",
  "variableName": "releaseHostsRequest",
  "variableType": "ReleaseHostsRequest",
  "documentation": null,
  "simpleType": "ReleaseHostsRequest",
  "variableSetterType": "ReleaseHostsRequest"
},
"wrapper": false,
"ReleaseHostsResult": {
  "c2jName": "ReleaseHostsResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of ReleaseHosts.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
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    {
      "c2jName": "Successful",
      "c2jShape": "ResponseHostIdList",
      "deprecated": false,
      "documentation": "<p>The IDs of the Dedicated Hosts that were successfully released.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**\n* The IDs of the Dedicated Hosts that were successfully released.\n*/",
      "fluentSetterMethodName": "withSuccessful",
      "getterDocumentation": "/**\n* The IDs of the Dedicated Hosts that were successfully released.\n*/",
      "getterMethodName": "getSuccessful",
      "getterModel": {
        "returnType": "java.util.List<String>",
        "documentation": null
      }
    }
  ]
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"}
},
"map" : false,
"mapModel" : null,
"name" : "Successful",
"setterDocumentation" : "<p>The IDs of the Dedicated Hosts that were successfully released.</p>\n@param
successful The IDs of the Dedicated Hosts that were successfully released.*/

setterMethodName" : "setSuccessful",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "successful",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
  
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The IDs of the Dedicated Hosts that were successfully released.*/\n\nNOTE: This method appends the values to the existing list (if any). Use \{@link #setSuccessful(java.util.Collection)\} or \{@link #withSuccessful(java.util.Collection)\} if you want to override the existing values.\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "successful",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the Dedicated Hosts that were successfully released.\n\nNOTE: This method appends the values to the existing list (if any). Use \{@link #setSuccessful(java.util.Collection)\} or \{@link #withSuccessful(java.util.Collection)\} if you want to override the existing values.\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variableSpaceUri" : null
},
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemList",
"deprecated" : false,
"documentation" : "The IDs of the Dedicated Hosts that could not be released, including an error message.\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The IDs of the Dedicated Hosts that could not be released, including an error message.*/\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "/**\n<p>The IDs of the Dedicated Hosts that could not be released, including an error message.*/\n\n\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getUnsuccessful",
"getterModel" : {
  "returnType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Unsuccessful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "UnsuccessfulItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "UnsuccessfulItem",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "UnsuccessfulItem",
  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "documentation": "",
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "UnsuccessfulItem",
  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "documentation": "",
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "Unsuccessful",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "UnsuccessfulItem",
"templateImplType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType": "java.util.List<UnsuccessfulItem>"
},
"map": false,
"mapModel": null,
"name": "Unsuccessful",
"setterDocumentation": "/**<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>
@param unsuccessful The IDs of the Dedicated Hosts that could not be released, including an error message.*/",
"setterMethodName": "setUnsuccessful",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName": "unsuccessful"
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>
",
"simple" : false,
"varargSetterDocumentation" : "/** <p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setUnsuccessful(java.util.Collection)] or [@link #withUnsuccessful(java.util.Collection)] if you want to override the existing values.

@<p>param unsuccessful The IDs of the Dedicated Hosts that could not be released, including an error message.</p>

@<p@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>

@<p>simpleType" : "List<UnsuccessfulItem>",

"variableSetterType" : "java.util.Collection<UnsuccessfulItem>
",
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"Successful" : {
"c2jName" : "Successful",
"c2jShape" : "ResponseHostIdList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts that were successfully released.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The IDs of the Dedicated Hosts that were successfully released.</p>

@<p>param successful The IDs of the Dedicated Hosts that were successfully released.</p>

@<p@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withSuccessful",
"getterDocumentation" : "/** <p>The IDs of the Dedicated Hosts that were successfully released.</p>

getterMethod" : "getSuccessful",
"getMethod" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"xmlNameSpaceUri" : null
}
"location" : null,
"marshallLocationName" : "Successful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "successful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
 ** param member
 ** return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
 ** return */",
    "getMethodsetName" : "getMember",
    "getModel" : {
      "returnType" : "String",
      "documentation" : "",
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
  },
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Successful",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully released.</p>
@param successful The IDs of the Dedicated Hosts that were successfully released.*/",
"setterMethodName" : "setSuccessful",
"setterModel" : {
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  "variableName" : "successful",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"}
"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "successful",
    "variableType": "java.util.List<String>",
    "documentation": "<p>The IDs of the Dedicated Hosts that were successfully released.</p>
    
    **NOTE:** This method appends the values to the existing list (if any). Use \[@link #setSuccessful(java.util.Collection)\] or \[@link #withSuccessful(java.util.Collection)\] if you want to override the existing values.\n
    @param successful The IDs of the Dedicated Hosts that were successfully released.
    
    Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withSuccessful",
    "getterMethodName": "getSuccessful",
    "getterModel": {
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        "documentation": null
    }
},
"http": {
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "statusCode": false,
    "unmarshallLocationName": "unsuccessful",
    "simple": false,
    "varargSetterDocumentation": "/**\n    The IDs of the Dedicated Hosts that were successfully released.\n
    \n    **NOTE:** This method appends the values to the existing list (if any). Use \[@link #setSuccessful(java.util.Collection)\] or \[@link #withSuccessful(java.util.Collection)\] if you want to override the existing values.\n
    \n    @param successful The IDs of the Dedicated Hosts that were successfully released.\n    
    Returns a reference to this object so that method calls can be chained together.*/",
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "UnsuccessfulItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "UnsuccessfulItem",
      "documentation" : null
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      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
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    "setterModel" : {
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      "variableName" : "member",
      "variableType" : "UnsuccessfulItem"
    }
  }
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"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
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"simple" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "UnsuccessfulItem",
"documentation" : "",
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"variableSetterType" : "UnsuccessfulItem"
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"xmlNameSpaceUri" : null
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"memberType" : "UnsuccessfulItem",
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<UnsuccessfulItem>"
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"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>
@param unsuccessful The IDs of the Dedicated Hosts that could not be released, including an error message.*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
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"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>
\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
"@param unsuccessful The IDs of the Dedicated Hosts that could not be released, including an error message.

@return Returns a reference to this object so that method calls can be chained together. */

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        "documentation" : "<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>",
        "simpleType" : "List<UnsuccessfulItem>",
        "variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
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    "xmlNameSpaceUri" : null
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"required" : null,
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"unmarshaller" : {
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    "resultWrapper" : null
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    "variableName" : "releaseHostsResult",
    "variableType" : "ReleaseHostsResult",
    "documentation" : null,
    "simpleType" : "ReleaseHostsResult",
    "variableSetterType" : "ReleaseHostsResult"
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    "customization" : {
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
    "errorCode" : null,
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    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : 'POST",
  "xmlNameSpaceUri" : null
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    "c2jShape" : "IamInstanceProfileSpecification",
    "deprecated" : false,
    "documentation" : "<p>The IAM instance profile.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>The IAM instance profile.</p>\n@returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/** <p>The IAM instance profile.</p>\n@returns The IAM instance profile.*/",
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    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "IamInstanceProfile",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "IamInstanceProfile",
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  "documentation": "",
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  "variableSetterType": "IamInstanceProfileSpecification"
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* The IAM instance profile.
* @param iamInstanceProfile The IAM instance profile.
* @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType": "IamInstanceProfileSpecification",
  "documentation": "The IAM instance profile.",
  "simpleType": "IamInstanceProfileSpecification",
  "variableSetterType": "IamInstanceProfileSpecification"
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"xmlNameSpaceUri": null
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"documentation": "The ID of the existing IAM instance profile association.
*/
"getterDocumentation": "The ID of the existing IAM instance profile association.
*/
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"getterModel": {
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  "documentation": null
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
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  "isPayload": false,
  "isStreaming": false,
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  "queryString": false,
"statusCode": false,
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"uri": false
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    "documentation": "The ID of the existing IAM instance profile association.\n",
    "enumType": null,
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    "fluentSetterMethodName": "withAssociationId",
    "getterDocumentation": "/**\n* The ID of the existing IAM instance profile association.\n* @return The ID of the existing IAM instance profile association.\n*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssociationId",
  "uri" : false
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"map" : false,

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@param
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,

"varargSetterDocumentation" : "/**<p>The ID of the existing IAM instance profile association.</p>
@param
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  "variableType" : "String",
  "documentation" : "<p>The ID of the existing IAM instance profile association.</p>
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape": "IamInstanceProfileSpecification",
  "deprecated": false,
  "documentation": "<p>The IAM instance profile.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The IAM instance profile.</p>
@returns Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName": "withIamInstanceProfile",
  "getterDocumentation": "/**<p>The IAM instance profile.</p>
@returns The IAM instance profile.
*/",
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  "getterModel": {
    "returnType": "IamInstanceProfileSpecification",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "IamInstanceProfile",
    "uri": false
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  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "IamInstanceProfile",
  "setterDocumentation": "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
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"varargSetterDocumentation": "/**<p>The IAM instance profile.
\n@param iamInstanceProfile The IAM instance profile.
\n@return Returns a reference to this object so that method calls can be chained together.*/
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"documentation": "<p>The IAM instance profile.
\n@param iamInstanceProfile The IAM instance profile.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null
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"requestSignerClassFqcn": null,
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"unmarshaller": null,
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"variableName": "replaceIamInstanceProfileAssociationRequest",
"variableType": "ReplaceIamInstanceProfileAssociationRequest",
"documentation": null,
"simpleType": "ReplaceIamInstanceProfileAssociationRequest",
"variableSetterType": "ReplaceIamInstanceProfileAssociationRequest"
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"wrapper": false
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"ReplaceIamInstanceProfileAssociationResult": {
"c2jName": "ReplaceIamInstanceProfileAssociationResult",
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
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  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "Information about the IAM instance profile association.
  @param iamInstanceProfileAssociation Information about the IAM instance profile association.
  @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableSetterType" : "IamInstanceProfileAssociation"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "IamInstanceProfileAssociation",
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    @param iamInstanceProfileAssociation Information about the IAM instance profile association.
    @return Returns a reference to this object so that method calls can be chained together. */",
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    "variableSetterType" : "IamInstanceProfileAssociation"
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  "xmlNameSpaceUri" : null
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"list" : false,
"listModel" : null,
"map" : false,
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"setterModel" : {
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  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param iamInstanceProfileAssociation Information about the IAM instance profile association.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "Information about the IAM instance profile association.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n*/",
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  "variableSetterType" : "IamInstanceProfileAssociation"
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "ReplaceIamInstanceProfileAssociationResult",
  "variableName" : "replaceIamInstanceProfileAssociationResult",
  "variableType" : "ReplaceIamInstanceProfileAssociationResult",
  "documentation" : null,
  "simpleType" : "ReplaceIamInstanceProfileAssociationResult",
  "variableSetterType" : "ReplaceIamInstanceProfileAssociationResult"
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"wrapper" : false
},
"ReplaceNetworkAclAssociationRequest" : {
  "c2jName" : "ReplaceNetworkAclAssociationRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
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    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ReplaceNetworkAclAssociation.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the current association between the original network ACL and the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>\n@param associationId The ID of the current association between the original network ACL and the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>\n@return The ID of the current association between the original network ACL and the subnet.*/",
    "getterMethodName" : "getAssociationId",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>
@param associationId The ID of the current association between the original network ACL and the subnet.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
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  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>
@param associationId The ID of the current network ACL and the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new network ACL to associate with the subnet.</p>",
"xmlNameSpaceUri" : null
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@return The ID of the new network ACL to associate with the subnet.*/",
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"documentation" : null
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"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {  
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the new network ACL to associate with the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
,"membersAsMap" : {
  "AssociationId" : {
    "c2jName" : "AssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the current association between the original network ACL and the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>
@param associationId The ID of the current association between the original network ACL and the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>
@return The ID of the current association between the original network ACL and the subnet.*/",
    "getterMethodName" : "getAssociationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AssociationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "associationId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
  },
"mapModel": null,
"name": "AssociationId",
"setterDocumentation": "/**<p>The ID of the current association between the original network ACL and the subnet.</p>
@param associationId The ID of the current association between the original network ACL and the subnet.*/",
"setterMethodName": "setAssociationId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": " /**<p>The ID of the current association between the original network ACL and the subnet.</p>
@param associationId The ID of the current association between the original network ACL and the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "<p>The ID of the current association between the original network ACL and the subnet.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"NetworkAclId": {
  "c2jName": "NetworkAclId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the new network ACL to associate with the subnet.</p>",
  "enumType": null,
  "fluentSetterDocumentation": " /**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNetworkAclId",
  "getterDocumentation": " /**<p>The ID of the new network ACL to associate with the subnet.</p>
@return The ID of the new network ACL to associate with the subnet.*/",
  "getterMethodName": "getNetworkAclId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "networkAclId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "networkAclId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the new network ACL to associate with the subnet.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "AssociationId", "NetworkAclId" ],
"shapeName" : "ReplaceNetworkAclAssociationRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ReplaceNetworkAclAssociationRequest",
  "variableName" : "replaceNetworkAclAssociationRequest",
  "variableType" : "ReplaceNetworkAclAssociationRequest",
  "documentation" : null,
  "simpleType" : "ReplaceNetworkAclAssociationRequest",
  "variableSetterType" : "ReplaceNetworkAclAssociationRequest"
},
"wrapper" : false
},
"ReplaceNetworkAclAssociationResult" : {
  "c2jName" : "ReplaceNetworkAclAssociationResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ReplaceNetworkAclAssociation.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "NewAssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the new association.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the new association.</p>@param newAssociationId The ID of the new association.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNewAssociationId",
    "getterDocumentation" : "/**<p>The ID of the new association.</p>@return The ID of the new association.</p>*/",
    "getterMethodName" : "getNewAssociationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      },
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NewAssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "newAssociationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NewAssociationId",
"setterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.*/",
"setterMethodName" : "setNewAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "newAssociationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "newAssociationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the new association.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "NewAssociationId" : {
    "c2jName" : "NewAssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the new association.</p>"
  }
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new association.</p>
@returns Returns a reference to this object so that method calls can be chained

together.*/",
"fluentSetterMethodName" : "withNewAssociationId",
"getterDocumentation" : "/*<p>The ID of the new association.</p>
@returns The ID of the new
association.*/",
"getterMethodName" : "getNewAssociationId",
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 "documentation" : null
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 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "NewAssociationId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "newAssociationId",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NewAssociationId",
"setterDocumentation" : "/*<p>The ID of the new association.</p>
@returns The ID of the new
association.*/",
"setterMethodName" : "setNewAssociationId",
"setterModel" : {
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 "variableName" : "newAssociationId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the new association.</p>
@returns Returns a reference to this object so that method calls can be chained

together.*/"
"variable" : {
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  "variableName" : "newAssociationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the new association.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReplaceNetworkAclAssociationResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "ReplaceNetworkAclAssociationResult",
  "variableName" : "replaceNetworkAclAssociationResult",
  "variableType" : "ReplaceNetworkAclAssociationResult",
  "documentation" : null,
  "simpleType" : "ReplaceNetworkAclAssociationResult",
  "variableSetterType" : "ReplaceNetworkAclAssociationResult"
},
"wrapper" : false
},
"ReplaceNetworkAclEntryRequest" : {
  "c2jName" : "ReplaceNetworkAclEntryRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ReplaceNetworkAclEntry.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ReplaceNetworkAclEntry",
    "locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},

"members" : [ {
"c2jName" : "NetworkAclId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the ACL.</p>
@param networkAclId The ID of the
ACL.*/
@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withNetworkAclId",
"getterDocumentation" : "/**<p>The ID of the ACL.</p>
@return The ID of the ACL.*
",
"getterMethodName" : "getNetworkAclId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
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"http" : { 
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"additionalUnmarshallingPath" : null,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the ACL.</p>
@param networkAclId The ID of the
ACL.*/
@returns Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setNetworkAclId",
"setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "",
"description" : null
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the ACL.
\n@param networkAclId The ID of the ACL.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>The ID of the ACL.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The rule number of the entry to replace.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The rule number of the entry to replace.</p>
\n@param ruleNumber The rule number of the entry to replace.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRuleNumber",
"getterDocumentation" : "/**<p>The rule number of the entry to replace.</p>
\n@return The rule number of the entry to replace.*/",
"getterMethodName" : "getRuleNumber",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleNumber",
"uri" : false
},
"idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RuleNumber",
"setterDocumentation": "/**<p>The rule number of the entry to replace.</p>
@param ruleNumber The rule number of the entry to replace.<*/",
"setterMethodName": "setRuleNumber",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "ruleNumber",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The rule number of the entry to replace.</p>
@param ruleNumber The rule number of the entry to replace.
@return Returns a reference to this object so that method calls can be chained together.<*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "ruleNumber",
  "variableType": "Integer",
  "documentation": "<p>The rule number of the entry to replace.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"c2jName": "Protocol",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.<p>

"enumType": null,
"fluentSetterDocumentation": "/**<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.<p>

"protocol": <p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.<p>"
<code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all
ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6)
and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@Param

tweets: The IP protocol. You can specify <code>all</code> or <code>-1</code> to
mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than
<code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any
ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4
CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol
<code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and
code.

@return The IP protocol. You can specify <code>all</code> or <code>-1</code> to
mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than
<code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4
CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4
CIDR block, you must specify an ICMP type and code.
CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```java
@Param protocol The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```
"deprecated" : false,
"documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
"enumType" : "RuleAction",
"fluentSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Indicates whether to allow or deny the traffic that matches the rule.
@see RuleAction*/",
"fluentSetterMethodName" : "withRuleAction",
"getterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@return Indicates whether to allow or deny the traffic that matches the rule.
@see RuleAction*/",
"getterMethodName" : "getRuleAction",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RuleAction",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ruleAction",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleAction",
"setterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@see RuleAction*/",
"setterMethodName" : "setRuleAction",
"setterModel" : {
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    "variableName" : "ruleAction",
    "variableType" : "String",
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    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n<return Returns a reference to this object so that method calls can be chained together.\n<see RuleAction*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ruleAction",
"variableType" : "String",
"documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.\n<see RuleAction*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "Egress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to replace the egress rule.</p>
@param egress Indicates whether to replace the egress rule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**\n<param egress Indicates whether to replace the egress rule.\n<return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgress",
"getterDocumentation" : "/**\n@return Indicates whether to replace the egress rule.\n<return Indicates whether to replace the egress rule.\n@param egress Indicates whether to replace the egress rule.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEgress",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Egress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
"setterDocumentation" : "/**<p>Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p> \n@param egress Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p> */",
"setterMethodName" : "setEgress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p>\n@param egress Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether to replace the egress rule.
Default: If no value is specified, we replace the ingress rule.
\n@param egress Indicates whether to replace the egress rule.
\n@return Returns a reference to this object so that method calls can be chained together.\n",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).",

"getterDocumentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getCidrBlock",
"enumType" : null,
"fluentSetterDocumentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\ngetterMethodName" : "getCidrBlock"
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "cidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "\n"<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n"},
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Ipv6CidrBlock",
"c2jShape": "String",
"deprecated": false,
"documentation": "&lt;p&gt;The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**&lt;p&gt;The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).&lt;/p&gt;&lt;param name=ipv6CidrBlock&gt;The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).&lt;/param&gt;&lt;p&gt;&lt;/p&gt;&lt;p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*\*/
",
"fluentSetterMethodName": "withIpv6CidrBlock",
"getterDocumentation": "/**&lt;p&gt;The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).&lt;/p&gt;&lt;param name=ipv6CidrBlock&gt;The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).&lt;/param&gt;&lt;p&gt;&lt;/p&gt;&lt;p&gt;\n@return The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).*\*/
",
"getterMethodName": "getIpv6CidrBlock",
"getModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6CidrBlock",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6CidrBlock",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ipv6CidrBlock",
"setterDocumentation": "/**&lt;p&gt;The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).&lt;/p&gt;&lt;param name=ipv6CidrBlock&gt;The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:bd8:1234:1a00::/64&lt;/code&gt;).*\*/
"
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
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  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "xmlNameSpaceUri" : null
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"c2jShape" : "IcmpTypeCode",
"deprecated" : false,
"documentation" : "<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIcmpTypeCode",
"getterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getIcmpTypeCode",
"getterModel" : {
  "returnType" : "IcmpTypeCode",
  "documentation" : null
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"unmarshallLocationName": "Icmp",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IcmpTypeCode",
"setterDocumentation": /**
 * ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying
 * the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
 */
@param
@returns

"setterMethodName": "setIcmpTypeCode",
"setterModel": {
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  "documentation": "",
  "simpleType": "IcmpTypeCode",
  "variableSetterType": "IcmpTypeCode"
},
"simple": false,
"varargSetterDocumentation": /**
 * ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying
 * the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
 */
@param
@returns

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  "variableType": "IcmpTypeCode",
  "documentation": "<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying
the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
@returns

"xmlNameSpaceUri": null
"c2jName" : "PortRange",
"c2jShape" : "PortRange",
"deprecated" : false,
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p><p>@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withPortRange",
"getterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p><p>@return TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>*/",
"getterMethodName" : "getPortRange",
"getterModel" : {
  "returnType" : "PortRange",
  "documentation" : null
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"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "location" : null,
  "marshallLocationName" : "PortRange",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "portRange",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PortRange",
"setterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p><p>@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>*/",
"setterMethodName" : "setPortRange",
"setterModel" : {
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  "variableName" : "portRange"}
"variableType": "PortRange",
"documentation": "",
"simpleType": "PortRange",
"variableSetterType": "PortRange"
},
"simple": false,
"varargSetterDocumentation": "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType": "PortRange",
 "documentation": "<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>
","simpleType": "PortRange",
"variableSetterType": "PortRange"
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"xmlNameSpaceUri": null
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"membersAsMap": {
"CidrBlock": {
 "c2jName": "CidrBlock",
 "c2jShape": "String",
 "deprecated": false,
 "documentation": "<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
"","fluentSetterDocumentation": "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>). 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCidrBlock",
"getterDocumentation": "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@return The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/",
"getterMethodName": "getCidrBlock",
"getterModel": {
 "returnType": "String",
 "documentation": null
 },
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/** <p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>). </p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>). </p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>). </p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Egress" : {
  "c2jName" : "Egress",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to replace the egress rule. </p> <p>Default: If no value is specified,
we replace the ingress rule.

"enumType" : null,

"fluentSetterDocumentation" : "/** <p>Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p> <p>\n@return Indicates whether to replace the egress rule.</p>

@param egress Indicates whether to replace the egress rule.

@return Indicates whether to replace the egress rule.

@returns Returns a reference to this object so that method calls can be chained together.*"",

"fluentSetterMethodName" : "withEgress",

"getterDocumentation" : "/** <p>Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p>

@return Indicates whether to replace the egress rule.

@returns Returns a reference to this object so that method calls can be chained together.*"",

"getterMethodName" : "getEgress",

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Egress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "egress",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Egress",

"setterDocumentation" : "/** <p>Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p> <p>\n@return Indicates whether to replace the egress rule.</p>

@param egress Indicates whether to replace the egress rule.

@return Indicates whether to replace the egress rule.

@returns Returns a reference to this object so that method calls can be chained together.*"",

"setterMethodName" : "setEgress",

"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p>@param egress Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p><p>Default: If no value is specified, we replace the ingress rule.</p>
@param egress Indicates whether to replace the egress rule.</p> <p>Default: If no value is specified, we replace the ingress rule.</p><p>Default: If no value is specified, we replace the ingress rule.</p>
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "egress",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether to replace the egress rule.</p>
@param egress Indicates whether to replace the egress rule.
@return Returns a reference to this object so that method calls can be chained together."*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IcmpTypeCode" : {
"c2jName" : "IcmpTypeCode",
"c2jShape" : "IcmpTypeCode",
"deprecated" : false,
"documentation" : "<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withIcmpTypeCode",
"getterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
@return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
"getterMethodName" : "getIcmpTypeCode",
"getterModel" : {
"returnType" : "IcmpTypeCode",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Icmp"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Icmp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IcmpTypeCode",
"setterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.*/",
"setterMethodName" : "setIcmpTypeCode",
"setterModel" : {
  "variableDeclarationType" : "IcmpTypeCode",
  "variableName" : "icmpTypeCode",
  "variableType" : "IcmpTypeCode",
  "documentation" : "",
  "simpleType" : "IcmpTypeCode",
  "variableSetterType" : "IcmpTypeCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IcmpTypeCode",
  "variableName" : "icmpTypeCode",
  "variableType" : "IcmpTypeCode",
  "documentation" : "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block."
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
  "c2jName" : "Ipv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).",
  "enumType" : null,
"xmlNameSpaceUri" : null
}
"fluentSetterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).*/",
"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ipv6CidrBlock",
"variableType" : "ipv6CidrBlock",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/"
example <code>2001:bd8:1234:1a00::/64</code>.

```java
@example

@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example
<example><code>2001:bd8:1234:1a00::/64</code></example>).<p/>

@return Returns a reference to this object so that method calls can be chained together. */

variable" : {

"variableDeclarationType" : "String",
"variableName" : "ipv6CidrBlock",
"variableType" : "String",
"documentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example
<example><code>2001:bd8:1234:1a00::/64</code></example>).",

"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"NetworkAclId" : {

"c2jName" : "NetworkAclId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the ACL.

"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}

"NetworkAclId" : {

"c2jName" : "NetworkAclId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the ACL.

"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}

"NetworkAclId" : {

"c2jName" : "NetworkAclId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the ACL.

"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the ACL.</p>@param networkAclId The ID of the ACL.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the ACL.</p>@param networkAclId The ID of the ACL.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the ACL.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"PortRange" : {
  "c2jName" : "PortRange",
  "c2jShape" : "PortRange",
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPortRange",
  "getterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>@return TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*/",
  "getterMethodName" : "getPortRange",
  "getterModel" : {
    "returnType" : "PortRange",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PortRange",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "portRange",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PortRange",
"setterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.
@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setPortRange",
"setterModel" : {
    "variableDeclarationType" : "PortRange",
    "variableName" : "portRange",
    "variableType" : "PortRange",
    "documentation" : "",
    "simpleType" : "PortRange",
    "variableSetterType" : "PortRange"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.
@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "PortRange",
    "variableName" : "portRange",
    "variableType" : "PortRange",
    "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.
</p>",
    "simpleType" : "PortRange",
    "variableSetterType" : "PortRange"
},
"xmlNameSpaceUri" : null
},
"Protocol" : {
"c2jName" : "Protocol"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProtocol",
"getterDocumentation" : "/*<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@returns The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getProtocol",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"setterDocumentation": "The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.<p>\n@param protocol The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.<p>\n@return Returns a reference to this object so that method calls can be chained together.""
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "protocol",
  "variableType" : "String",
  "documentation" : "<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"RuleAction" : {
  "c2jName" : "RuleAction",
  "c2jShape" : "RuleAction",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
  "enumType" : "RuleAction",
  "fluentSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>\n@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RuleAction*/",
  "fluentSetterMethodName" : "withRuleAction",
  "getterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>\n@return Indicates whether to allow or deny the traffic that matches the rule.\n@see RuleAction*/",
  "getterMethodName" : "getRuleAction",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RuleAction",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ruleAction",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleAction",
"setterDocumentation" : "/**\n * Indicates whether to allow or deny the traffic that matches the rule.\n * @param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n * @see RuleAction*/",
"setterMethodName" : "setRuleAction",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/\n * Indicates whether to allow or deny the traffic that matches the rule.\n * @param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n * @return Returns a reference to this object so that method calls can be chained together.\n * @see RuleAction*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "Indicates whether to allow or deny the traffic that matches the rule.\n"",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RuleNumber" : {
  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The rule number of the entry to replace.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "/\n * The rule number of the entry to replace.\n * @param ruleNumber The rule number of the entry to replace.\n * @return Returns a reference to this object so that method calls can be chained together.\n * @see RuleAction*/",
  "fluentSetterMethodName" : "withRuleNumber",
  "getterDocumentation" : "/\n * The rule number of the entry to replace.\n * @return The rule number of the entry to replace.\n * @see RuleAction*/",
  "getterMethodName" : "getRuleNumber",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RuleNumber",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ruleNumber",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "/**\n@param ruleNumber The rule number of the entry to replace.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRuleNumber",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ruleNumber",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param ruleNumber The rule number of the entry to replace.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ruleNumber",
    "variableType" : "Integer",
    "documentation" : "The rule number of the entry to replace.\n",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkAclId", "RuleNumber", "Protocol", "RuleAction", "Egress" ],
"shapeName" : "ReplaceNetworkAclEntryRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ReplaceNetworkAclEntryRequest",
  "variableName" : "replaceNetworkAclEntryRequest",
  "variableType" : "ReplaceNetworkAclEntryRequest",
  "documentation" : null,
  "simpleType" : "ReplaceNetworkAclEntryRequest",
  "variableSetterType" : "ReplaceNetworkAclEntryRequest"
},
"wrapper" : false,
"ReplaceNetworkAclEntryResult" : {
  "c2jName" : "ReplaceNetworkAclEntryResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ReplaceNetworkAclEntryResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "ReplaceNetworkAclEntryResult",
    "variableName" : "replaceNetworkAclEntryResult",
    "variableType" : "ReplaceNetworkAclEntryResult",
    "documentation" : null,
    "simpleType" : "ReplaceNetworkAclEntryResult",
    "variableSetterType" : "ReplaceNetworkAclEntryResult"
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.*/",

"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

{"c2jName" : "DestinationCidrBlock",
 \"c2jShape" : "String",
 \"deprecated" : false,
 \"documentation" : "<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
 \"enumType" : null,
 \"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
\n@destinationCidrBlock {
  \n=param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
  \n}"}$
route in the table.

@returns Returns a reference to this object so that method calls can be chained together.

/**
 * The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
 *
 * @param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
 */

"setterDocumentation" : "/*\n
 * The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
 *
 * @param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
 */

route in the table.

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@return Returns a reference to this object so that method calls can be chained together.

variable : {
    variableDeclarationType : "String",
    variableName : "destinationCidrBlock",
    variableType : "String",
    documentation : "<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
    simpleType : "String",
    variableSetterType : "String"
},

xmlns:Service: "String"
}

c2jName : "GatewayId",
c2jShape : "String",
deprecated : false,
documentation : "<p>The ID of an Internet gateway or virtual private gateway.</p>

@getGatewayId The ID of an Internet gateway or virtual private gateway.

@return Returns a reference to this object so that method calls can be chained together.

getGatewayId : {
    returnType : "String",
documentation : null
}

http : {
    additionalMarshallingPath : null,
    additionalUnmarshallingPath : null,
    flattened : false,
    greedy : false,
    header : false,
    isPayload : false,
    isStreaming : false,
    location : null,
    marshallLocationName : "GatewayId",
    queryString : false,
    statusCode : false,
    unmarshallLocationName : "gatewayId",
    uri : false
},
idempotencyToken : false,
list : false,
listModel : null,
map : false,
mapModel : null,
"name": "GatewayId",
"setterDocumentation": "/**<p>The ID of an Internet gateway or virtual private gateway.</p>
@param
gatewayId The ID of an Internet gateway or virtual private gateway.*/",
"setterMethodName": "setGatewayId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "gatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of an Internet gateway or virtual private gateway.</p>
@param
gatewayId The ID of an Internet gateway or virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "gatewayId",
  "variableType": "String",
  "documentation": "<p>The ID of an Internet gateway or virtual private gateway.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "DestinationIpv6CidrBlock",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
  @param destinationIpv6CidrBlock The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDestinationIpv6CidrBlock",
  "getterDocumentation": "/**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
  @return The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.*/",
  "getterMethodName": "getDestinationIpv6CidrBlock",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationIpv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationIpv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationIpv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/
@param destinationIpv6CidrBlock The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.*/",
"setterMethodName" : "setDestinationIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EgressOnlyInternetGatewayId"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "/**[IPv6 traffic only] The ID of an egress-only Internet gateway.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**[IPv6 traffic only] The ID of an egress-only Internet gateway.*/
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
"getterDocumentation" : "/**[IPv6 traffic only] The ID of an egress-only Internet gateway.*/
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEgressOnlyInternetGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "/**[IPv6 traffic only] The ID of an egress-only Internet gateway.*/
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "egressOnlyInternetGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet
gateway.</p>
@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet
gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet
gateway.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a NAT instance in your VPC.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@param instanceId The
ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@return The ID of a NAT instance in your VPC.
"getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>\n@param instanceId The ID of a
NAT instance in your VPC.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param instanceId The ID of a NAT instance in your VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a NAT instance in your VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param networkInterfaceId The ID of a network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**\n@return The ID of a network interface.</p>",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a
network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a network interface.</p>
@param networkInterfaceId The
ID of a network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "VpcPeeringConnectionId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"getterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@return The ID of a VPC peering connection.
*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcPeeringConnectionId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcPeeringConnectionId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param vpcPeeringConnectionId
@return Returns a reference to this object so that
method calls can be chained together.
*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param vpcPeeringConnectionId
@return Returns a reference to this object so that
method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String"
"documentation" : "The ID of a VPC peering connection."",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"c2jName" : "NatGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "[IPv4 traffic only] The ID of a NAT gateway.

"enumType" : null,
"fluentSetterDocumentation" : "
/*

@returns Returns a reference to this object so that method calls can be chained together.
*/
",
"getterDocumentation" : "
/*

The ID of a NAT gateway.
*/
",
"getterMethodName" : "getNatGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "
/*

The ID of a NAT gateway.
*/
",
"setterMethodName" : "setNatGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"enumerations" : null,
"documentation" : null,
"variableType" : "String",
"getterName" : "getNatGatewayId",
"setterName" : "setNatGatewayId",
"getterSetterName" : null
}}
"variableName" : "natGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of a NAT gateway.
*\n* @param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "natGatewayId",
"variableType" : "String",
"documentation" : "\n* [IPv4 traffic only] The ID of a NAT gateway.
*\n* @param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"simple" : true,
"varargSetterDocumentation" : "/**\n* The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variableNameSpaceUri" : null
} },
"membersAsMap" : {
"DestinationCidrBlock" : {
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**\n* The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationCidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/*\*<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>\n@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "destinationCidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\*<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>\n@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "destinationCidrBlock",
"variableType" : "String",
"documentation" : "<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DestinationIpv6CidrBlock" : {
"c2jName" : "DestinationIpv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR address block used for the destination match. The value you provide..."
The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.

**setter**

```
putDestinationIpv6CidrBlock
```

**setterDocumentation**

```
The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.

@returns Returns a reference to this object so that method calls can be chained together.
```

**setterMethodName**

```
withDestinationIpv6CidrBlock
```

**getter**

```
getDestinationIpv6CidrBlock
```

**getterDocumentation**

```
The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.

@returns The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
```

**getterMethodName**

```
getDestinationIpv6CidrBlock
```

**getterModel**

```
returnType : "String",
documentation : null
```

**http**

```
additionalMarshallingPath : null,
additionalUnmarshallingPath : null,
flattened : false,
greedy : false,
header : false,
isPayload : false,
isStreaming : false,
location : null,
marshallLocationName : "DestinationIpv6CidrBlock",
queryString : false,
statusCode : false,
unmarshallLocationName : "destinationIpv6CidrBlock",
uri : false
```

**idempotencyToken**

```
false
```

**list**

```
false
```

**listModel**

```
null
```

**map**

```
false
```

**mapModel**

```
null
```

**name**

```
"DestinationIpv6CidrBlock",
```

**setterDocumentation**

```
The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.

@returns The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
```

**setterMethodName**

```
setDestinationIpv6CidrBlock
```

**setterModel**

```
variableDeclarationType : "String",
variableName : "destinationIpv6CidrBlock",
variableType : "String",
documentation : "",
simpleType : "String",
```
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>@param destinationIpv6CidrBlock The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</param>@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
  @return
  Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"EgressOnlyInternetGatewayId" : {
  "c2jName" : "EgressOnlyInternetGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "[IPv6 traffic only] The ID of an egress-only Internet gateway.
  @param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.
  @return
  Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
  "getterDocumentation" : "[IPv6 traffic only] The ID of an egress-only Internet gateway.
  @return
  The ID of an egress-only Internet gateway.
  @param getEgressOnlyInternetGatewayId
  @return
  The ID of an egress-only Internet gateway.*/",
  "getterMethodName" : "getEgressOnlyInternetGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshalLocationName" : "EgressOnlyInternetGatewayId",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "/**
[IPv6 traffic only] The ID of an egress-only Internet gateway.
*/
@param egressOnlyInternetGatewayId 
[IPv6 traffic only] The ID of an egress-only Internet gateway.

setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
"varargSetterDocumentation" : "/**
[IPv6 traffic only] The ID of an egress-only Internet gateway.
*/
@param egressOnlyInternetGatewayId 
[IPv6 traffic only] The ID of an egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.
",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"GatewayId" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of an Internet gateway or virtual private gateway.
*/
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
The ID of an Internet gateway or virtual private gateway.
*/
  "getterDocumentation" : "/**
The ID of an Internet gateway or virtual private gateway.
*/
  "getterMethodName" : "getGatewayId",
  "getterModel" : 

"returnType" : "String",
"documentation" : null
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 "statusCode" : false,
 "unmarshallLocationName" : "gatewayId",
 "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
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@param gatewayId The ID of an Internet gateway or virtual private gateway.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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 "variableName" : "gatewayId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of an Internet gateway or virtual private gateway.</p>
@param gatewayId The ID of an Internet gateway or virtual private gateway.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType" : "String",
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 "variableSetterType" : "String"
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    "c2jShape" : "String",
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    "documentation" : "<p>The ID of a NAT instance in your VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@param instanceId The ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@return The ID of a NAT instance in your VPC.
*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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@param instanceId The ID of a NAT instance in your VPC.
*/",
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        "variableType" : "String",
        "documentation" : "",
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    }
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"@param instanceId The ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained together.
"/!",
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 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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 "c2jName" : "NatGatewayId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
 "enumType" : null,
 "fluentSetterDocumentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
 "@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.
"/!",
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 "getterDocumentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.
 @return [IPv4 traffic only] The ID of a NAT gateway.
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 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "isPayload" : false,
 "isStreaming" : false,
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 "statusCode" : false,
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 "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
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@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.*/",
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"setterModel" : {
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  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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<p>The ID of a network interface.
@return The ID of a network interface.</p>
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"enumType" : null,
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@param networkInterfaceId The ID of a network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of a network interface.</p>
@return The ID of a network interface.</p>
\n@returns {"name":"NetworkInterfaceId","c2jName":"NetworkInterfaceId","c2jShape":"String","deprecated":false,"documentation":"The ID of a network interface."}"",
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"getterModel" : {
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  "documentation" : null
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    "header" : false,
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    "isStreaming" : false,
    "location" : null,
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    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a network interface.</p>
@<param networkInterfaceId The ID of a network interface.<p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
},
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@<param networkInterfaceId The ID of a network interface.<p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "variableType" : "String",
    "documentation" : "<p>The ID of a network interface.</p>
@<p>The ID of a network interface.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTableId",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param routeTableId The ID of a route table.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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@<p>The ID of a route table.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "variableType" : "String",
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@<p>The ID of a route table.</p>
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
*@
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
"getterDocumentation" : "/**<p>The ID of the route table.</p>
*@
@return The ID of the route table.
*/",
"getterMethodName" : "getRouteTableId",
"getterModel" : {
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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
*@
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "routeTableId",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
*@
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/"
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    "simpleType" : "String",
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    "c2jShape" : "String",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@<param vpcPeeringConnectionId The ID of a VPC peering connection.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withVpcPeeringConnectionId",
    "getterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@return The ID of a VPC peering connection.</p>
@<return The ID of a VPC peering connection.</p>*/",
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        "documentation" : null
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    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "statusCode" : false,
        "unmarshallLocationName" : "vpcPeeringConnectionId",
        "uri" : false
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    "listModel" : null,
    "map" : false,
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@param vpcPeeringConnectionId
The ID of a VPC peering connection.*///",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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@param
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The ID of a VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*///",
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  "documentation" : "pThe ID of a VPC peering connection.
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : [ "RouteTableId" ],
"shapeName" : "ReplaceRouteRequest",
"unmarshaller" : null,
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  "variableName" : "replaceRouteRequest",
  "variableType" : "ReplaceRouteRequest",
  "documentation" : null,
  "simpleType" : "ReplaceRouteRequest",
  "variableSetterType" : "ReplaceRouteRequest"
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"wrapper" : false
},
"ReplaceRouteResult" : {
  "c2jName" : "ReplaceRouteResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
"deprecated": false,
"documentation": null,
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"hasStreamingMember": false,
"marshaller": null,
"members": null,
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"variableName": "replaceRouteResult",
"variableType": "ReplaceRouteResult",
"documentation": null,
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"variableSetterType": "ReplaceRouteResult"
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"wrapper": false
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"ReplaceRouteTableAssociationRequest": {
"c2jName": "ReplaceRouteTableAssociationRequest",
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
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"enums": null,
"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
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"variables": {
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"variableDeclarationType": "ReplaceRouteResult",
"variableName": "replaceRouteResult",
"variableType": "ReplaceRouteResult",
"documentation": null,
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"locationName" : null,
"requestUri" : "/",
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"xmlNameSpaceUri" : null
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 "deprecated" : false,
 "documentation" : "<p>The association ID.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The association ID.</p>
@\n@return Returns a reference to this object so that method calls can be chained together.
*/",
 "fluentSetterMethodName" : "withAssociationId",
 "getterDocumentation" : "/**<p>The association ID.</p>
@\n@return The association ID.
*/",
 "getterMethodName" : "getAssociationId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "isStreaming" : false,
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 "statusCode" : false,
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 "uri" : false
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 "list" : false,
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 "map" : false,
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@\n@param associationId The association ID.
*/",
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 "setterModel" : {
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 "variableName" : "associationId",
 "variableType" : "String"}
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"map": false,
"mapModel": null,
"name": "RouteTableId",
"setterDocumentation": "/**<p>The ID of the new route table to associate with the subnet.</p>
@param routeTableId The ID of the new route table to associate with the subnet.
*/",
"setterMethodName": "setRouteTableId",
"setterModel": {
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  "documentation": "",
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  "variableSetterType": "String"
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@param routeTableId The ID of the new route table to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"membersAsMap": {
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    "c2jShape": "String",
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    "documentation": "The association ID.",
    "enumType": null,
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@param associationId The association ID.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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    "getterDocumentation": "<p>The association ID.</p>
@return The association ID.
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      "documentation": null
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"name": "RouteTableId",
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@param routeTableId The ID of the new route table to associate with the subnet.
*/",
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"setterModel": {
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  "variableName": "routeTableId",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the new route table to associate with the subnet.</p>
@param routeTableId The ID of the new route table to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "documentation": "The ID of the new route table to associate with the subnet.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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    "c2jShape": "String",
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    "documentation": "The association ID.",
    "enumType": null,
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@param associationId The association ID.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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    "getterDocumentation": "<p>The association ID.</p>
@return The association ID.
*/",
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    "getterModel": {
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      "documentation": null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**
 * The association ID.
 * @param associationId The association ID.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAssociationId",
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  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
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 * @param associationId The association ID.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
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"xmlNameSpaceUri" : null
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"getterDocumentation": "/**\p The ID of the new route table to associate with the subnet.*/\n@return The ID of the new route table to associate with the subnet.*/",
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  "documentation": null
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"variable" : {
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@return Returns a reference to this object so that method calls can be chained together.*/"}
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  "variableType" : "String",
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  "variableSetterType" : "String"
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "startTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "startTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "startTime",
"setterDocumentation" : "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time at which the reported instance health state began.</p>",
  "name" : "StartTime",
  "marshallLocationName" : "StartTime",
  "unmarshallLocationName" : "startTime",
  "simple" : true,
  "isPayload" : false,
  "isStreaming" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "startTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "startTime",
  "uri" : false
}
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"c2jName": "EndTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The time at which the reported instance health state ended.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withEndTime",
"getterDocumentation": "/**<p>The time at which the reported instance health state ended.</p>
@return The time at which the reported instance health state ended.*/",
"getterMethodName": "getEndTime",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "EndTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "endTime",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EndTime",
"setterDocumentation": "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.
@return The time at which the reported instance health state ended.*/",
"setterMethodName": "setEndTime",
"setterModel": {
"variableDeclarationType": "java.util.Date",
"variableName": "endTime"}
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "endTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time at which the reported instance health state ended.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "ReasonCodes",
"c2jShape" : "ReasonCodesList",
"deprecated" : false,
"documentation" : "<p>One or more reason codes that describes the health state of your instance.</p> <ul> 
<li> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</li> 
<li> <code>unresponsive</code>: My instance is unresponsive.</li> 
<li> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li> 
<li> <code>password-not-available</code>: A password is not available for my instance.</li> 
<li> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</li> 
<li> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li> 
<li> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li> 
<li> <code>performance-other</code>: My instance is experiencing performance problems.</li> 
<li> <code>other</code>: [explain using the description parameter]</li> 
</ul>
@param reasonCodes One or more reason codes that describes the health state of your instance.

"enumType" : "ReportInstanceReasonCodes",
"fluentSetterDocumentation" : "/**<p>One or more reason codes that describes the health state of your instance.</p> <ul> 
<li> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</li> 
<li> <code>unresponsive</code>: My instance is unresponsive.</li> 
<li> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li> 
<li> <code>password-not-available</code>: A password is not available for my instance.</li> 
<li> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</li> 
<li> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li> 
<li> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li> 
<li> <code>performance-other</code>: My instance is experiencing performance problems.</li> 
<li> <code>other</code>: [explain using the description parameter]</li> 
</ul>
@param reasonCodes One or more reason codes that describes the health state of your instance.

"enumType" : "ReportInstanceReasonCodes",
"fluentSetterDocumentation" : "/**<p>One or more reason codes that describes the health state of your instance.</p> <ul> 
<li> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</li> 
<li> <code>unresponsive</code>: My instance is unresponsive.</li> 
<li> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li> 
<li> <code>password-not-available</code>: A password is not available for my instance.</li> 
<li> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</li> 
<li> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li> 
<li> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li> 
<li> <code>performance-other</code>: My instance is experiencing performance problems.</li> 
</ul>
@param reasonCodes One or more reason codes that describes the health state of your instance.

"enumType" : "ReportInstanceReasonCodes",
"fluentSetterDocumentation" : "/**<p>One or more reason codes that describes the health state of your instance.</p> <ul> 
<li> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</li> 
<li> <code>unresponsive</code>: My instance is unresponsive.</li> 
<li> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.
@return Returns a reference to this object so that method calls can be chained together.
@see ReportInstanceReasonCodes*/

"fluentsetterMethodName" : "withReasonCodes",
"getterDocumentation" : "/**

<p>One or more reason codes that describes the health state of your instance.</p>
<ul>
<li><p> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</p> </li> 
<li><p> <code>unresponsive</code>: My instance is unresponsive.</p> </li> 
<li><p> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p> </li> 
<li><p> <code>password-not-available</code>: A password is not available for my instance.</p> </li> 
<li><p> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p> </li> 
<li><p> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p> </li> 
<li><p> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p> </li> 
<li><p> <code>performance-other</code>: My instance is experiencing performance problems.</p> </li> 
<li><p> <code>other</code>: [explain using the description parameter]</p> </li> </ul>
@return One or more reason codes that describes the health state of your instance.</p>
<ul>
<li><p> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</p> </li> 
<li><p> <code>unresponsive</code>: My instance is unresponsive.</p> </li> 
<li><p> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p> </li> 
<li><p> <code>password-not-available</code>: A password is not available for my instance.</p> </li> 
<li><p> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p> </li> 
<li><p> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p> </li> 
<li><p> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p> </li> 
<li><p> <code>performance-other</code>: My instance is experiencing performance problems.</p> </li> 
<li><p> <code>other</code>: [explain using the description parameter]</p> </li> </ul>
@see ReportInstanceReasonCodes*/"}
"statusCode" : false,
"unmarshallLocationName" : "reasonCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReportInstanceReasonCodes",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "ReportInstanceReasonCodes",
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
@see ReportInstanceReasonCodes*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return 
@see ReportInstanceReasonCodes*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
@param member 
@see ReportInstanceReasonCodes*/",
    "setterMethodName" : "setMember",
    "setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.
@see ReportInstanceReasonCodes*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ReasonCodes",
"setterDocumentation" : "/**<p>One or more reason codes that describes the health state of your instance.</p>
<ul>
  <li><p><code>instance-stuck-in-state</code>: My instance is stuck in a state.</p></li>
  <li><p><code>unresponsive</code>: My instance is unresponsive.</p></li>
  <li><p><code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p></li>
  <li><p><code>password-not-available</code>: A password is not available for my instance.</p></li>
  <li><p><code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p></li>
  <li><p><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p></li>
  <li><p><code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p></li>
  <li><p><code>performance-other</code>: My instance is experiencing performance problems.</p></li>
  <li><p><code>other</code>: [explain using the description parameter]</p></li>
</ul>
@param reasonCodes One or more reason codes that describes the health state of your instance.</p>
<ul>
  <li><p><code>instance-stuck-in-state</code>: My instance is stuck in a state.</p></li>
  <li><p><code>unresponsive</code>: My instance is

@see ReportInstanceReasonCodes*/

```
"setterMethodName": "setReasonCodes",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "reasonCodes",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setReasonCodes(java.util.Collection)] or [@link #withReasonCodes(java.util.Collection)] if you want to override the existing values.</p>

@see ReportInstanceReasonCodes*/

```

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```
One or more reason codes that describes the health state of your instance.

- `instance-stuck-in-state`: My instance is stuck in a state.
- `unresponsive`: My instance is unresponsive.
- `not-accepting-credentials`: My instance is not accepting my credentials.
- `password-not-available`: A password is not available for my instance.
- `performance-network`: My instance is experiencing performance problems which I believe are network related.
- `performance-instance-store`: My instance is experiencing performance problems which I believe are related to the instance stores.
- `performance-ebs-volume`: My instance is experiencing performance problems which I believe to be related to an EBS volume.
- `performance-other`: My instance is experiencing performance problems.
- `other`: (explain using the description parameter)
"setterDocumentation" : "/**<p>Descriptive text about the health state of your instance.<br/>
@param description Descriptive text about the health state of your instance.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
*/

setterMethodName" : "setDescription",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Descriptive text about the health state of your instance.<br/>
@param description Descriptive text about the health state of your instance.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "Descriptive text about the health state of your instance.<br/>
",  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Descriptive text about the health state of your instance.<br/>
",  
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Descriptive text about the health state of your instance.<br/>
@param description Descriptive text about the health state of your instance.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
*/

fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>Descriptive text about the health state of your instance.<br/>
@return Descriptive text about the health state of your instance.<br/>
*/

getterMethodName" : "getDescription",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
}"}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n* Descriptive text about the health state of your instance.<p>\n* @param description Descriptive text about the health state of your instance.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Descriptive text about the health state of your instance.<p>\n* @param description Descriptive text about the health state of your instance.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>Descriptive text about the health state of your instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EndTime" : {
  "c2jName" : "EndTime",
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EndTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "endTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EndTime",
"setterDocumentation" : "/**\n* Descriptive text about the health state of your instance.<p>\n* @param endTime End time of the instance.*/",
"setterMethodName" : "setEndTime",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "endTime",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Descriptive text about the health state of your instance.<p>\n* @param endTime End time of the instance.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "endTime",
  "variableType" : "String",
  "documentation" : "<p>Descriptive text about the health state of your instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time at which the reported instance health state ended.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>*/
@param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.
*/
 getterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>*/

The time at which the reported instance health state ended.

getterMethodName" : "getEndTime",
getterModel" : {
 returnType" : "java.util.Date",
 documentation" : null
},
http" : {
 additionalMarshallingPath" : null,
 additionalUnmarshallingPath" : null,
 flattened" : false,
 greedy" : false,
 header" : false,
 isPayload" : false,
 isStreaming" : false,
 location" : null,
 marshallLocationName" : "EndTime",
 queryString" : false,
 statusCode" : false,
 unmarshallLocationName" : "endTime",
 uri" : false
},
idempotencyToken" : false,
 list" : false,
 listModel" : null,
 map" : false,
 mapModel" : null,
 name" : "EndTime",
 setterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>*/
@param endTime The time at which the reported instance health state ended.
@return

setterMethodName" : "setEndTime",
setterModel" : {
 variableDeclarationType" : "java.util.Date",
 variableName" : "endTime",
 variableType" : "java.util.Date",
 documentation" : "",
 simpleType" : "Date",
 variableSetterType" : "java.util.Date",

 simple" : true,
"varargSetterDocumentation" : "/**\n * The time at which the reported instance health state ended.
 * @param endTime The time at which the reported instance health state ended.
 * @return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "endTime",
    "variableType" : "java.util.Date",
    "documentation" : "The time at which the reported instance health state ended.",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Instances" : {
    "c2jName" : "Instances",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "One or more instances.
    @param instances One or more instances.
    @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterDocumentation" : "/**
     * One or more instances. 
     * @param instances One or more instances. 
     * @return One or more instances.
     */",
    "fluentSetterMethodName" : "withInstances",
    "getterDocumentation" : "/**
     * One or more instances. 
     * @return One or more instances.
     */",
    "getterMethodName" : "getInstances",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "InstanceId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "instanceId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "simpleType" : null,
        "variableDeclarationType" : "java.util.List<String>"
    }
}
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/

    "variable": {
        "variableDeclarationType": "String",
        "variableName": "member",
        "variableType": "String",
        "documentation": "",
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
},
"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Instances",
"setterDocumentation": "/**\n* One or more instances.
*\n@param instances One or more instances.*/",
"setterMethodName": "setInstances",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "instances",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\n* One or more instances.
*\n@param instances One or more instances.*/

\n@b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstances(java.util.Collection)} or {@link #withInstances(java.util.Collection)} if you want to override the existing values.\n
@n@param instances One or more instances.\n
@returns Returns a reference to this object so that method calls can be chained together.*/

    "variable": {
        "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
        "variableName": "instances",
        "variableType": "java.util.List<String>",
        "documentation": "<p>One or more instances.</p>",
        "simpleType": "List<String>",
        "variableSetterType": "java.util.Collection<String>"
"ReasonNameSpaceUri" : null

"ReasonCodes" : {
  "c2jName" : "ReasonCodes",
  "c2jShape" : "ReasonCodesList",
  "deprecated" : false,
  "documentation" : "One or more reason codes that describes the health state of your instance.</p> <ul>

  "enumType" : "ReportInstanceReasonCodes",
  "fluentSetterDocumentation" : "/** One or more reason codes that describes the health state of your instance.</p> <ul>

  "fluentSetterMethodName" : "withReasonCodes",
  "getterDocumentation" : "/** One or more reason codes that describes the health state of your instance.</p> <ul>
  <li> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</p> <li> <code>unresponsive</code>: My instance is unresponsive.</li> <li> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li> <li> <code>password-not-available</code>: A password is not available for my instance."*/

ReportInstanceReasonCodes*/",

"fluentSetterMethodName" : "withReasonCodes",

"getterDocumentation" : "/** One or more reason codes that describes the health state of your instance."*/

ReportInstanceReasonCodes*/"}
network</code>: My instance is experiencing performance problems which I believe are network related.</li>
<li> <p> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
<li> <p> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li>
<li> <p> <code>performance-other</code>: My instance is experiencing performance problems.</li>
<li> <p> <code>other</code>: [explain using the description parameter]</li>
</ul>

@return One or more reason codes that describes the health state of your instance.</li>
<li> <p> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</li>
<li> <p> <code>unresponsive</code>: My instance is unresponsive.</li>
<li> <p> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li>
<li> <p> <code>password-not-available</code>: A password is not available for my instance.</li>
<li> <p> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</li>
<li> <p> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
<li> <p> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li>
<li> <p> <code>performance-other</code>: My instance is experiencing performance problems.</li>
<li> <p> <code>other</code>: [explain using the description parameter]</li>

@see ReportInstanceReasonCodes*/

```java

getterMethodName" : "getReasonCodes",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallILocationName" : "ReasonCode",
"queryString" : false,
"statusCode" : false,
"unmarshallILocationName" : "reasonCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ReportInstanceReasonCodes",
"deprecated" : false,
"documentation" : "",
"enumType" : "ReportInstanceReasonCodes",
```
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.\n@see ReportInstanceReasonCodes*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return \n@see ReportInstanceReasonCodes*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member \n@see ReportInstanceReasonCodes*/",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.\n@see ReportInstanceReasonCodes*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simple": true,
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": true,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "ReasonCodes",
"setterDocumentation": "/**
<p>One or more reason codes that describes the health state of your instance.</p>
<ul>
<li><code>instance-stuck-in-state</code>: My instance is stuck in a state.</li>
<li><code>unresponsive</code>: My instance is unresponsive.</li>
<li><code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li>
<li><code>password-not-available</code>: A password is not available for my instance.</li>
<li><code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</li>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
<li><code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li>
<li><code>performance-other</code>: My instance is experiencing performance problems which I believe are related to network related.</li>
<li><code>other</code>: [explain using the description parameter].</li>
</ul>
@see ReportInstanceReasonCodes*/
"setterMethodName": "setReasonCodes",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "reasonCodes",
"variableType": "java.util.List<String>",
"documentation": "",}
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
],
"simple": false,
"varargSetterDocumentation": "One or more reason codes that describes the health state of your instance.

<ul>
<li><code>instance-stuck-in-state</code>: My instance is stuck in a state.</li>
<li><code>unresponsive</code>: My instance is unresponsive.</li>
<li><code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li>
<li><code>password-not-available</code>: A password is not available for my instance.</li>
</ul>

My instance is experiencing performance problems which I believe are network related.

<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
<li><code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li>
</ul>

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<ul>
<li><code>performance-network</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
</ul>

My instance is experiencing performance problems which I believe are related to an EBS volume.

<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
<li><code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li>
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<ul>
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<ul>
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<ul>
<li><code>performance-network</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
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My instance is experiencing performance problems which I believe are related to an EBS volume.

<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
</ul>

My instance is experiencing performance problems which I believe are network related.

<ul>
<li><code>performance-network</code>: My instance is experiencing performance problems which I believe are related to the instance stores.

Another Returns a reference to this object so that method calls can be chained together.

ReportInstanceReasonCodes*/
],
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "reasonCodes",
  "variableType": "java.util.List<String>",
  "documentation": "One or more reason codes that describes the health state of your instance.

<ul>
<li><code>instance-stuck-in-state</code>: My instance is stuck in a state.</li>
<li><code>unresponsive</code>: My instance is unresponsive.</li>
<li><code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li>
<li><code>password-not-available</code>: A password is not available for my instance.</li>
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<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.

Another Returns a reference to this object so that method calls can be chained together.

ReportInstanceReasonCodes*/
],
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "reasonCodes",
  "variableType": "java.util.List<String>",
  "documentation": "One or more reason codes that describes the health state of your instance.

<ul>
<li><code>instance-stuck-in-state</code>: My instance is stuck in a state.</li>
<li><code>unresponsive</code>: My instance is unresponsive.</li>
<li><code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li>
<li><code>password-not-available</code>: A password is not available for my instance.</li>
</ul>

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<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
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<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
</ul>

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<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
</ul>

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<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
</ul>

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<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
</ul>

My instance is experiencing performance problems which I believe are related to an EBS volume.

<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
</ul>

My instance is experiencing performance problems which I believe are network related.

<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
</ul>

My instance is experiencing performance problems which I believe are related to an EBS volume.

<ul>
<li><code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
"StartTime" : {
  "c2jName" : "StartTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time at which the reported instance health state began.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStartTime",
  "getterDocumentation" : "/**<p>The time at which the reported instance health state began.</p>
@return The time at which the reported instance health state began.*/",
  "getterMethodName" : "getStartTime",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "StartTime",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "startTime",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "StartTime",
  "setterDocumentation" : "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setStartTime",
  "setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "startTime",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
  }
}
"variableSetterType" : "java.util.Date",
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The time at which the reported instance health state
began.</p>*/
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time at which the reported instance health state began.</p>
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Status" : {
"c2jName" : "Status",
"c2jShape" : "ReportStatusType",
"deprecated" : false,
"documentation" : "<p>The status of all instances listed.</p>
"enumType" : "ReportStatusType",
"fluentSetterDocumentation" : "/*<p>The status of all instances listed.</p>*/
@param status The status of all instances listed.
@return Returns a reference to this object so that method calls can be chained together.
@see ReportStatusType*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/*<p>The status of all instances listed.</p>*/
@return The status of all instances listed.
@see ReportStatusType*/",
"getterMethodName" : "getStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n@\n@param status The status of all instances listed.\n@\n@see ReportStatusType*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n@param status The status of all instances listed.\n@\n@see ReportStatusType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "The status of all instances listed.\n@\n@see ReportStatusType*/",
  "simple" : true,
  "xmlNameSpaceUri" : "",
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Instances", "Status", "ReasonCodes" ],
"shapeName" : "ReportInstanceStatusRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ReportInstanceStatusRequest",
  "variableName" : "reportInstanceStatusRequest",
  "variableType" : "ReportInstanceStatusRequest",
  "documentation" : null,
  "simpleType" : "ReportInstanceStatusRequest",
  "variableSetterType" : "ReportInstanceStatusRequest"
},
"wrapper" : false,
"ReportInstanceStatusResult" : {
"c2jName": "ReportInstanceStatusResult",
"customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": null,
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"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ReportInstanceStatusResult",
"unmarshaller": {
    "flattened": false,
    "resultWrapper": null
},
"variable": {
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    "variableName": "reportInstanceStatusResult",
    "variableType": "ReportInstanceStatusResult",
    "documentation": null,
    "simpleType": "ReportInstanceStatusResult",
    "variableSetterType": "ReportInstanceStatusResult"
},
"wrapper": false
},
"ReportStatusType": {
"c2jName": "ReportStatusType",
"customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
    "Ok",
    "Ok",...}
"value" : "ok"
],
"name" : "Impaired",
"value" : "impaired"
}
],
"errorCode" : null,
"hasHeaderMember" : false,
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"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReportStatusType",
"unmarshaller" : { 
"flattened" : false,
"resultWrapper" : null
},
"variable" : { 
"variableDeclarationType" : "ReportStatusType",
"variableName" : "reportStatusType",
"variableType" : "ReportStatusType",
"documentation" : null,
"simpleType" : "ReportStatusType",
"variableSetterType" : "ReportStatusType"
},
"wrapper" : false
},
"RequestSpotFleetRequest" : {
"c2jName" : "RequestSpotFleetRequest",
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RequestSpotFleet.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {

"action": "RequestSpotFleet",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
],
"members": [
{
"c2jName": "SpotFleetRequestConfig",
"c2jShape": "SpotFleetRequestConfigData",
"deprecated": false,
"documentation": "<p>The configuration for the Spot fleet request.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The configuration for the Spot fleet request.</p>@param
spotFleetRequestConfig The configuration for the Spot fleet request.@return Returns a reference to this object so
that method calls can be chained together.*/",
"fluentSetterMethodName": "withSpotFleetRequestConfig",
"getterDocumentation": "/**<p>The configuration for the Spot fleet request.</p>@return The configuration
for the Spot fleet request.*/",
"getterMethodName": "getSpotFleetRequestConfig",
"getterModel": {
"returnType": "SpotFleetRequestConfigData",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SpotFleetRequestConfig",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "spotFleetRequestConfig",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SpotFleetRequestConfig",
"setterDocumentation": "/**<p>The configuration for the Spot fleet request.</p>@param
spotFleetRequestConfig The configuration for the Spot fleet request.*/",
"setterMethodName": "setSpotFleetRequestConfig"
setterModel" : {
  "variableDeclarationType" : "SpotFleetRequestConfigData",
  "variableName" : "spotFleetRequestConfig",
  "variableType" : "SpotFleetRequestConfigData",
  "documentation" : "",
  "simpleType" : "SpotFleetRequestConfigData",
  "variableSetterType" : "SpotFleetRequestConfigData"
},
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The configuration for the Spot fleet request.</p>
*\n@\nparam spotFleetRequestConfig The configuration for the Spot fleet request.*\n@return Returns a reference to this object so that method calls can be chained together.*"*/",
  "variable" : {
    "variableDeclarationType" : "SpotFleetRequestConfigData",
    "variableName" : "spotFleetRequestConfig",
    "variableType" : "SpotFleetRequestConfigData",
    "documentation" : "<p>The configuration for the Spot fleet request.</p>
    "simpleType" : "SpotFleetRequestConfigData",
    "variableSetterType" : "SpotFleetRequestConfigData"
  },
  "xmlNameSpaceUri" : null
},
  "membersAsMap" : {
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      "c2jName" : "SpotFleetRequestConfig",
      "c2jShape" : "SpotFleetRequestConfigData",
      "deprecated" : false,
      "documentation" : "<p>The configuration for the Spot fleet request.</p>
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The configuration for the Spot fleet request.</p>
*\n@\nparam spotFleetRequestConfig The configuration for the Spot fleet request.*\n@return Returns a reference to this object so that method calls can be chained together.*"*/",
      "fluentSetterMethodName" : "withSpotFleetRequestConfig",
      "getterDocumentation" : "/**<p>The configuration for the Spot fleet request.</p>
*\n@return The configuration for the Spot fleet request.*"*/",
      "getterMethodName" : "getSpotFleetRequestConfig",
      "getterModel" : {
        "returnType" : "SpotFleetRequestConfigData",
        "documentation" : null
      },
      "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
"documentation" : null,
"simpleType" : "RequestSpotFleetRequest",
"variableSetterType" : "RequestSpotFleetRequest"
],
"wrapper" : false
",
"RequestSpotFleetResult" : {
"c2jName" : "RequestSpotFleetResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of RequestSpotFleet.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
{ "c2jName" : "SpotFleetRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>\n@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestId",
"getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>\n@returns The ID of the Spot fleet request request.
 */",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SpotFleetRequestIds",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestIds",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.*/",
"setterMethodname" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "SpotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "SpotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "SpotFleetRequestIds" : {
    "c2jName" : "SpotFleetRequestId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
}
"fluentSetterMethodName" : "withSpotFleetRequestId",
"getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SpotFleetRequestId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "spotFleetRequestId",
   "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
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   "variableName" : "spotFleetRequestId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "spotFleetRequestId",
   "variableType" : "String",
   "variableSetterType" : "SpotFleetRequestId"
}
"documentation" : "The ID of the Spot fleet request."",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SpotFleetRequestId" ],
"shapeName" : "RequestSpotFleetResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "RequestSpotFleetResult",
"variableName" : "requestSpotFleetResult",
"variableType" : "RequestSpotFleetResult",
"documentation" : null,
"simpleType" : "RequestSpotFleetResult",
"variableSetterType" : "RequestSpotFleetResult"
},
"wrapper" : false
},
"RequestSpotInstancesRequest" : {
"c2jName" : "RequestSpotInstancesRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Contains the parameters for RequestSpotInstances.
",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "RequestSpotInstances",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
"members": [
  {
    "c2jName": "SpotPrice",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The maximum hourly price (bid) for any Spot instance launched to fulfill the request.\n"
    "enumType": null,
    "fluentSetterDocumentation": "The maximum hourly price (bid) for any Spot instance launched to fulfill the request.\n\n@\nparam spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.\n\n@\nreturn Returns a reference to this object so that method calls can be chained together.\n",
    "fluentSetterMethodName": "withSpotPrice",
    "getterDocumentation": "The maximum hourly price (bid) for any Spot instance launched to fulfill the request.\n\n@\nreturn The maximum hourly price (bid) for any Spot instance launched to fulfill the request.\n",
    "getterMethodName": "getSpotPrice",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "SpotPrice",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "SpotPrice",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "SpotPrice",
    "setterDocumentation": "The maximum hourly price (bid) for any Spot instance launched to fulfill the request.\n\n@\nparam spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.\n",
    "setterMethodName": "setSpotPrice",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "spotPrice",
      "variableType": "String"
    }
  },
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotPrice",
"variableType" : "String",
"documentation" : "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.</p>
@param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.

@return Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.

*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ClientToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "clientToken",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of
the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure
Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;p&gt;&lt;n&gt;@param clientToken Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure
Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;*/
  
  "setterMethodName": "setClientToken",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "clientToken",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**&lt;p&gt;Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure
Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;n&gt;@return Returns a reference to this
object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String"
"variableName": "clientToken",
"variableType": "String",
"documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "InstanceCount",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The maximum number of Spot instances to launch. Default: 1</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The maximum number of Spot instances to launch. Default: 1</p>"
@param instanceCount The maximum number of Spot instances to launch. Default: 1
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceCount",
"getterDocumentation": "/**<p>The maximum number of Spot instances to launch. Default: 1</p>
@return The maximum number of Spot instances to launch. Default: 1*/",
"getterMethodName": "getInstanceCount",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceCount",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceCount",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount"
"setterDocumentation" : "/**\n <p>The maximum number of Spot instances to launch.</p>
 Default: 1

\n @param instanceCount The maximum number of Spot instances to launch.</p>  
 <p>Default: 1*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**\n <p>The maximum number of Spot instances to launch.</p>  
 Default: 1

\n @param instanceCount The maximum number of Spot instances to launch.</p>  
 <p>Default: 1

\n @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of Spot instances to launch.</p> 
 Default: 1",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "Type",
  "c2jShape" : "SpotInstanceType",
  "deprecated" : false,
  "documentation" : "<p>The Spot instance request type.</p> 
 Default: <code>one-time</code> 

\n @see SpotInstanceType*/",
  "fluentSetterDocumentation" : "/**\n <p>The Spot instance request type.</p>  
 Default: <code>one-time</code> 

\n @param type The Spot instance request type.</p>  
 <p>Default: <code>one-time</code>

\n @return Returns a reference to this object so that method calls can be chained together.
 @see SpotInstanceType*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**\n <p>The Spot instance request type.</p>  
 Default: <code>one-time</code> 

\n @return The Spot instance request type.</p>  
 <p>Default: <code>one-time</code> 

\n @see SpotInstanceType*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Type",
"queryString": false,
"statusName": false,
"unmarshallLocationName": "type",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Type",
"setterDocumentation": "/**\n<p>The Spot instance request type.</p>\n<p>Default: \code{one-time}</p>\n</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see SpotInstanceType*/",
"setterMethodName": "setType",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "type",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The Spot instance request type.</p>\n<p>Default: \code{one-time}</p>\n</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see SpotInstanceType*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "type",
"variableType": "String",
"documentation": "\n\p>The Spot instance request type.\n\p>Default: \code{one-time}\n</p>\n"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNamespaceUri": null
},
{ "c2jName": "ValidFrom",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "\n<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the
request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.

Default: The request is effective indefinitely.

"enumType" : null,
"fluentSetterDocumentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely."

@param validFrom The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withValidFrom",
"getterDocumentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely.

@return The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely.

"getterMethodName" : "getValidFrom",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidFrom",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validFrom",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely."
canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>Default: The request is effective indefinitely.</p>
@domainObjectValidFrom
@domainObjectValidUntil
@methodValidFrom
@methodValidUntil
@pixelValidFrom
@pixelValidUntil
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@numberValidUntil
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@integerValidFrom
@integerValidUntil
@longValidFrom
@longValidUntil
@doubleValidFrom
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@timeZoneValidFrom
@timeZoneValidUntil
@datetimeValidFrom
@datetimeValidUntil
@calendarValidFrom
@calendarValidUntil
@c2jValidFrom
@c2jValidUntil
@simpleValidFrom
@simpleValidUntil
@varargSimpleValidFrom
@varargSimpleValidUntil
@prefixValidFrom
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@externalSimpleValidFrom
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active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p><code>@return</code> Returns a reference to this object so that method calls can be chained together.</p>

"getterMethodName" : "getValidUntil",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidUntil",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validUntil",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidUntil",
"setterDocumentation" : "The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.

Default: The request is effective indefinitely.

@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.

Default: The request is effective indefinitely.


"setterMethodName" : "setValidUntil",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "validUntil",
"variableType" : "java.util.Date",
"documentation" : ""}
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. </p> <p>Default: The request is effective indefinitely.</p>\n@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. </p> <p>Default: The request is effective indefinitely.</p>\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "validUntil",
"variableType" : "java.util.Date",
"documentation" : "<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. </p> <p>Default: The request is effective indefinitely.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LaunchGroup",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together. </p> <p>Default: Instances are launched and terminated individually</p>
@param launchGroup The instance launch group. Launch groups are Spot instances that launch together and terminate together. </p> <p>Default: Instances are launched and terminated individually
@return Returns a reference to this object so that method calls can be chained together. */",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together. </p> <p>Default: Instances are launched and terminated individually</p>
@param LaunchGroup The instance launch group. Launch groups are Spot instances that launch together and terminate together. </p> <p>Default: Instances are launched and terminated individually
@return The instance launch group. Launch groups are Spot instances that launch together and terminate together. */",
"getterDocumentation" : "/**\n<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together. </p> <p>Default: Instances are launched and terminated individually</p>
@return The instance launch group. Launch groups are Spot instances that launch together and terminate together. */",
"getterMethodName" : "launchGroup",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.</p>
@param availabilityZoneGroup The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"fluentSetterMethodName" : "withAvailabilityZoneGroup",
"getterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids. </p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. </p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. </p> <p>Default: Instances are launched in any available Availability Zone.
@return The user-specified name for a logical grouping of bids. */

"enumType" : null,
When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.

The user-specified name for a logical grouping of bids.
Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.

If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. 

@param availabilityZoneGroup The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. 

@return Returns a reference to this object so that method calls can be chained together.
The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

<p>Default: Instances are launched in any available Availability Zone.</p>
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDurationMinutes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "blockDurationMinutes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BlockDurationMinutes",
"setterDocumentation" : "/**<p>The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).</p>
<p>The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.</p>
<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.</p>
@param blockDurationMinutes The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).</p>
<p>The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.</p>
<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.</p>*/",
  "setterMethodName" : "setBlockDurationMinutes",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "blockDurationMinutes",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).</p>
<p>The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.</p>
<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.</p>*/""
period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.</p>
<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

```
@Param blockDurationMinutes
```

The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).

```
The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.

Note that you can't specify an Availability Zone group or a launch group if you specify a duration.
```

```
@Return
```

Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
}
```

The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.

```
@Param launchSpecification
```

```
@Return
```

Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
}
```

The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.

```
@Param launchSpecification
```

```
@Return
```

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  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
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  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
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  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
}
```

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  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
}
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The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.

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@Param launchSpecification
```

```
@Return
```

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  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
}
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```
@Param launchSpecification
```

```
@Return
```

Returns a reference to this object so that method calls can be chained together.

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"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360)."
}
```

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```
@Param launchSpecification
```

```
@Return
```

Returns a reference to this object so that method calls can be chained together.
"marshallLocationName" : "LaunchSpecification",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LaunchSpecification",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchSpecification",
"setterDocumentation" : "/**
@param launchSpecification */",
"setterMethodName" : "setLaunchSpecification",
"setterModel" : {
  "variableDeclarationType" : "LaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "LaunchSpecification",
  "documentation" : "",
  "simpleType" : "LaunchSpecification",
  "variableSetterType" : "LaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param launchSpecification 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "LaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "LaunchSpecification",
  "documentation" : "",
  "simpleType" : "LaunchSpecification",
  "variableSetterType" : "LaunchSpecification"
},
"xmlnsNamespaceUri" : null
}],
"membersAsMap" : {
  "AvailabilityZoneGroup" : {
    "c2jName" : "AvailabilityZoneGroup",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The user-specified name for a logical grouping of bids.</p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone
where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different
zone from the original request, even if you specified the same Availability Zone group.</p> <p><strong><code>availabilityZoneGroup</code></strong>: The user-specified name for a logical grouping of bids.

When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

By default, Spot instances are launched in any available Availability Zone.

```java
public void withAvailabilityZoneGroup(String availabilityZoneGroup) {
    // Set the availabilityZoneGroup parameter
    this.availabilityZoneGroup = availabilityZoneGroup;
}
```

It is possible to specify a different Availability Zone group for each Spot instance request. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in the same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

```java
public String getAvailabilityZoneGroup() {
    // Get the availabilityZoneGroup parameter
    return this.availabilityZoneGroup;
}
```
"getterMethodName" : "getAvailabilityZoneGroup",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZoneGroup",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZoneGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZoneGroup",
"setterDocumentation" : "/**<p>The user-specified name for a logical grouping of bids.</p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.</p> <p>Default: Instances are launched in any available Availability Zone.</p> */
@param availabilityZoneGroup The user-specified name for a logical grouping of bids.</p> <p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.</p> <p>Default: Instances are launched in any available Availability Zone.</p> */","setterMethodName" : "setAvailabilityZoneGroup"},
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZoneGroup",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*! <p>The user-specified name for a logical grouping of bids.</p>
<p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p>
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<p>Default: Instances are launched in any available Availability Zone.</p>
@param availabilityZoneGroup The user-specified name for a logical grouping of bids.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZoneGroup",
  "variableType" : "String",
  "documentation" : "The user-specified name for a logical grouping of bids.
<p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p>
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<p>Default: Instances are launched in any available Availability Zone.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null

"BlockDurationMinutes" : {
  "c2jName" : "BlockDurationMinutes",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration."
,
  "enumType" : null,
  "fluentSetterDocumentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration."
,
  "getterDocumentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration."
,
  "getterMethodName" : "getBlockDurationMinutes",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
  }
}
**BlockDurationMinutes**

The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

```java
public void setBlockDurationMinutes(int blockDurationMinutes) {
    this.blockDurationMinutes = blockDurationMinutes;
}
```

The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

```java
public int getBlockDurationMinutes() {
    return blockDurationMinutes;
}
```
calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "<p>The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).<p> The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>@param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withClientToken",
  "getterDocumentation" : "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>@return Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>*/",
  "getterMethodName" : "getClientToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "unmarshallingType" : "String",
    "fluentUnmarshallingType" : "String",
    "fluentMarshallingContext" : {
      "fluentPath" : "ClientToken",
      "xmlName" : "ClientToken"
    }
  }
},
"id" : "string",
"operation" : "string",
"profileName" : "string",
"region" : "string",
"requestId" : "string",
"version" : "string"
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ClientToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "clientToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;n&gt;param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/n&gt;
@return Returns a reference to this object so that method calls can be chained together.*\/

setterMethodName": "setClientToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;n&gt;param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/n&gt;\nreturn Returns a reference to this object so that method calls can be chained together.*\/

variable": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
"characterEncoding": "UTF-8"
}
Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

The maximum number of Spot instances to launch. Default: 1

Returns a reference to this object so that method calls can be chained together.

The maximum number of Spot instances to launch. Default: 1

Returns the maximum number of Spot instances to launch.

The maximum number of Spot instances to launch. Default: 1


1*/

The maximum number of Spot instances to launch. 

Default: 1/* */

Declares a reference to this object so that method calls can be chained together.

The instance launch group. Launch groups are Spot instances that launch together and terminate together. 

Default: Instances are launched and terminated individually

Returns a reference to this object so that method calls can be chained together.

The maximum number of Spot instances to launch. 

Default: 1/* */

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The instance launch group. Launch groups are Spot instances that launch together and terminate together. 

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The instance launch group. Launch groups are Spot instances that launch together and terminate together. 

Default: Instances are launched and terminated individually

Returns a reference to this object so that method calls can be chained together.
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchGroup",
"setterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p> 
<p>Default: Instances are launched and terminated individually</p>
@param launchGroup The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p> <p>Default: Instances are launched and terminated individually*/",
"setterMethodName" : "setLaunchGroup",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "launchGroup",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that
launch together and terminate together.</p> <p>Default: Instances are launched and terminated
individually</p>
@param launchGroup The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p> <p>Default: Instances are launched and terminated individually

Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchGroup",
"variableType" : "String",
"documentation" : "<p>The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p> 
<p>Default: Instances are launched and terminated individually</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"LaunchSpecification" : {
    "c2jName" : "LaunchSpecification",
    "c2jShape" : "LaunchSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param launchSpecification \n@return Returns a reference to this object so that method calls can be chained together */",
    "fluentSetterMethodName" : "withLaunchSpecification",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getLaunchSpecification",
    "getterModel" : {
        "returnType" : "LaunchSpecification",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "LaunchSpecification",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LaunchSpecification",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "LaunchSpecification",
    "setterDocumentation" : "/**\n@param launchSpecification */",
    "setterMethodName" : "setLaunchSpecification",
    "setterModel" : {
        "variableDeclarationType" : "LaunchSpecification",
        "variableName" : "launchSpecification",
        "variableType" : "LaunchSpecification",
        "documentation" : "",
        "simpleType" : "LaunchSpecification",
        "variableSetterType" : "LaunchSpecification"
    },
    "simple" : false,
"varargSetterDocumentation": "/**
@param launchSpecification
@return Returns a reference to this object
so that method calls can be chained together.*\*/",

"variable": {
"variableDeclarationType": "LaunchSpecification",
"variableName": "launchSpecification",
"variableType": "LaunchSpecification",
"documentation": "",
"simpleType": "LaunchSpecification",
"variableSetterType": "LaunchSpecification"
},
"xmlNameSpaceUri": null
},
"SpotPrice": {
"c2jName": "SpotPrice",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName": "withSpotPrice",
"getterDocumentation": "/**<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@return The maximum hourly price (bid) for any Spot instance launched to fulfill the request.*\*/",
"getterMethodName": "getSpotPrice",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SpotPrice",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "spotPrice",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Type" : {
  "c2jName" : "Type",
  "c2jShape" : "SpotInstanceType",
  "deprecated" : false,
  "documentation" : "<p>The Spot instance request type.</p> <p>Default: <code>one-time</code> </p>
",
  "enumType" : "SpotInstanceType",
  "fluentSetterDocumentation" : "/*<p>The Spot instance request type.</p> <p>Default: <code>one-time</code> </p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/*<p>The Spot instance request type.</p> <p>Default: <code>one-time</code> </p>
@return The Spot instance request type.</p> <p>Default: <code>one-time</code> </p>
",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
}
{"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Type",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "type",
  "uri": false
},
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Type",
  "setterDocumentation": "/\*\*\p The Spot instance request type.\p Default: \code\one-time\endcode\*/",
  "setterMethodName": "setType",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "type",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/\*\*\p The Spot instance request type.\p Default: \code\one-time\endcode\*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "type",
    "variableType": "String",
    "documentation": "/\p The Spot instance request type.\p Default: \code\one-time\endcode\*/",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null}
"ValidFrom" : {
  "c2jName" : "ValidFrom",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> Default: The request is effective indefinitely.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> Default: The request is effective indefinitely.</p>@param validFrom The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> Default: The request is effective indefinitely.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withValidFrom",
  "getterDocumentation" : "/*<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> Default: The request is effective indefinitely.</p>@return The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> Default: The request is effective indefinitely.</p>*/",
  "getterMethodName" : "getValidFrom",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ValidFrom",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "validFrom",
    "uri" : false
  },
  "idempotencyToken" : false,
ValidFrom:

- **setterDocumentation**: "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely."

- **setterMethodName**: "setValidFrom"

- **setterModel**: 
  - variableDeclarationType: "java.util.Date"
  - variableName: "validFrom"
  - variableType: "java.util.Date"
  - documentation: 
  - simpleType: "Date"
  - variableSetterType: "java.util.Date"

- **simple**: true

ValidUntil:

- **c2jName**: "ValidUntil"
- **c2jShape**: "DateTime"
- **deprecated**: false

- **setterDocumentation**: "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely."

- **setterMethodName**: "setValidFrom"

- **setterModel**: 
  - variableDeclarationType: "java.util.Date"
  - variableName: "validFrom"
  - variableType: "java.util.Date"
  - documentation: "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely."

- **simple**: true

- **varargSetterDocumentation**: "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely."

- **variable**: 
  - variableDeclarationType: "java.util.Date"
  - variableName: "validFrom"
  - variableType: "java.util.Date"
  - documentation: "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely."

- **simpleType**: "Date"
- **variableSetterType**: "java.util.Date"
"documentation" : ":<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>\n@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>\n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withValidUntil",
"getterDocumentation" : "/*<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>\n@return The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>*/",
"getterMethodName" : "getValidUntil",
"getterModel" : {
   "returnType" : "java.util.Date",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ValidUntil",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "validUntil",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidUntil",
"setterDocumentation" : "/*<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>\n@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>*/"
active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. &lt;/p&gt; &lt;p&gt;Default: The request is effective indefinitely. */

"setterMethodName" : "setValidUntil",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/** The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. &lt;/p&gt; &lt;p&gt;Default: The request is effective indefinitely. &lt;/p&gt;\n@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. &lt;/p&gt; &lt;p&gt;Default: The request is effective indefinitely. \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. &lt;/p&gt; &lt;p&gt;Default: The request is effective indefinitely. */",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotPrice" ],
"shapeName" : "RequestSpotInstancesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "RequestSpotInstancesRequest",
  "variableName" : "requestSpotInstancesRequest",
  "variableType" : "RequestSpotInstancesRequest",
  "documentation" : null,
  "simpleType" : "RequestSpotInstancesRequest",
  "variableSetterType" : "RequestSpotInstancesRequest"
},
"wrapper" : false
},
"RequestSpotInstancesResult" : {
"c2jName" : "RequestSpotInstancesResult",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of RequestSpotInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
    {
        "c2jName" : "SpotInstanceRequests",
        "c2jShape" : "SpotInstanceRequestList",
        "deprecated" : false,
        "documentation" : "<p>One or more Spot instance requests.</p>",
        "enumType" : null,
        "getterDocumentation" : "/*<p>One or more Spot instance requests.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
        "getterMethodName" : "getSpotInstanceRequests",
        "hasAdditionalMarshallingPath" : false,
        "hasAdditionalUnmarshallingPath" : false,
        "getterModel" : {
            "returnType" : "java.util.List<SpotInstanceRequest>",
            "documentation" : null
        },
        "http" : {
            "marshallingPath" : null,
            "additionalMarshallingPath" : null,
            "httpMethodName" : "SpotInstanceRequestSet",
            "isHttp" : false,
            "isQuery" : false,
            "isHeader" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallingLocationName" : "SpotInstanceRequestSet",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallingLocationName" : "SpotInstanceRequestSet",
            "uri" : false
        }
    }
],
"enums" : null,
"hasAdditionalMarshallingPath" : false,
"hasAdditionalUnmarshallingPath" : false,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false}
"simpleType": "SpotInstanceRequest",
"variableSetterType": "SpotInstanceRequest"
],
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
 "variableDeclarationType": "SpotInstanceRequest",
 "variableName": "member",
 "variableType": "SpotInstanceRequest",
 "documentation": "",
 "simpleType": "SpotInstanceRequest",
 "variableSetterType": "SpotInstanceRequest"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "SpotInstanceRequest",
"map": false,
"marshallNonAuto ConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "SpotInstanceRequest",
"templateImplType": "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType": "java.util.List<SpotInstanceRequest>"
],
"map": false,
"mapModel": null,
"name": "SpotInstanceRequests",
"setterDocumentation": "/*\p>One or more Spot instance requests.\p>@param spotInstanceRequests One or more Spot instance requests.*\p*/",
"setterMethodName": "setSpotInstanceRequests",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
 "variableName": "spotInstanceRequests",
 "variableType": "java.util.List<SpotInstanceRequest>",
 "documentation": "",
 "simpleType": "List<SpotInstanceRequest>",
 "variableSetterType": "java.util.Collection<SpotInstanceRequest>"
},
"simple": false,
"varargSetterDocumentation": "/*\p>One or more Spot instance requests.\p>@\b>NOTE: \b This method appends the values to the existing list (if any). Use [ @link #setSpotInstanceRequests(java.util.Collection)] or [ @link #withSpotInstanceRequests(java.util.Collection)] if you want to override the existing values.\p>@param spotInstanceRequests One or more Spot instance requests.\p>@return Returns a reference to this object so that method calls can be chained together.*\p*/",

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"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
    "variableName" : "spotInstanceRequests",
    "variableType" : "java.util.List<SpotInstanceRequest>",
    "documentation" : "<p>One or more Spot instance requests.</p>",
    "simpleType" : "List<SpotInstanceRequest>",
    "variableSetterType" : "java.util.Collection<SpotInstanceRequest>"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
    "SpotInstanceRequests" : {
        "c2jName" : "SpotInstanceRequests",
        "c2jShape" : "SpotInstanceRequestList",
        "deprecated" : false,
        "documentation" : "<p>One or more Spot instance requests.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@蓊@param
spotInstanceRequests One or more Spot instance requests.
@蓊@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withSpotInstanceRequests",
        "getterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@蓊@return One or more Spot
instance requests.*/",
        "getterMethodName" : "getSpotInstanceRequests",
        "getterModel" : {
            "returnType" : "java.util.List<SpotInstanceRequest>",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "SpotInstanceRequestSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "spotInstanceRequestSet",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List"}
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "SpotInstanceRequest",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "SpotInstanceRequest",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "SpotInstanceRequest",
    "variableName" : "member",
    "variableType" : "SpotInstanceRequest",
    "documentation" : "",
    "simpleType" : "SpotInstanceRequest",
    "variableSetterType" : "SpotInstanceRequest"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/"}
method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "SpotInstanceRequest",
        "variableName" : "member",
        "variableType" : "SpotInstanceRequest",
        "documentation" : "",
        "simpleType" : "SpotInstanceRequest",
        "variableSetterType" : "SpotInstanceRequest"
    },
    "xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotInstanceRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotInstanceRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType" : "java.util.List<SpotInstanceRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequests",
"setterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@param spotInstanceRequests One or more Spot instance requests.*/

@link #setSpotInstanceRequests(<java.util.Collection>) One or more Spot instance requests.

@link #withSpotInstanceRequests(<java.util.Collection>) One or more Spot instance requests.

@return Returns a reference to this object so that method calls can be chained together.*/

    "setterMethodName" : "setSpotInstanceRequests",
    "setterModel" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
        "variableName" : "spotInstanceRequests",
        "variableType" : "java.util.List<SpotInstanceRequest>",
        "documentation" : "",
        "simpleType" : "List<SpotInstanceRequest>",
        "variableSetterType" : "java.util.Collection<SpotInstanceRequest>"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>

@link #setSpotInstanceRequests(<java.util.Collection>) or @link #withSpotInstanceRequests(<java.util.Collection>) if you want to override the existing values.</p>

@link #return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
        "variableName" : "spotInstanceRequests",
        "variableType" : "java.util.List<SpotInstanceRequest>",
        "documentation" : "<p>One or more Spot instance requests.</p>

"param" : null,
"paramClassName" : null,
"paramLocationName" : "item",
"paramType" : null,
"marshalNonAutoConstructedEmptyLists" : false,
"marshallPath" : null,
"marshallPathLocationName" : "item",
"marshallPathLocationType" : null,
"marshallValuePath" : null,
"marshallValuePathLocationName" : "item",
"marshallValuePathLocationType" : null,
"marshallValueSetterPath" : null,
"marshallValueSetterPathLocationName" : "item",
"marshallValueSetterPathLocationType" : null,
"unmarshallNonAutoConstructedEmptyLists" : false,
"unmarshallPath" : null,
"unmarshallPathLocationName" : "item",
"unmarshallPathLocationType" : null,
"unmarshallValuePath" : null,
"unmarshallValuePathLocationName" : "item",
"unmarshallValuePathLocationType" : null,
"unmarshallValueSetterPath" : null,
"unmarshallValueSetterPathLocationName" : "item",
"unmarshallValueSetterPathLocationType" : null,
"sendEmptyQueryString" : false,
"simpleType" : "List<SpotInstanceRequest>",
"variableSetterType" : "java.util.Collection<SpotInstanceRequest>"
},
"xmlNameSpaceUri" : null
|
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "RequestSpotInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RequestSpotInstancesResult",
  "variableName" : "requestSpotInstancesResult",
  "variableType" : "RequestSpotInstancesResult",
  "documentation" : null,
  "simpleType" : "RequestSpotInstancesResult",
  "variableSetterType" : "RequestSpotInstancesResult"
},
"wrapper" : false
|
"Reservation" : {
  "c2jName" : "Reservation",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a reservation.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : {
    "c2jName" : "ReservationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the reservation.</p>",
    "enumType" : null,
    "FluentSetterDocumentation" : "/**<p>The ID of the reservation.</p>\n@param reservationId The ID of the
reservation.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withReservationId",
"getterDocumentation" : "/**<p>The ID of the reservation.</p>

@return The ID of the reservation.*/",
"getterMethodName" : "getReservationId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ReservationId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "reservationId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservationId",
"setterDocumentation" : "/**<p>The ID of the reservation.</p>

@param reservationId The ID of the reservation.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservationId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "reservationId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the reservation.</p>

@param reservationId The ID of the reservation.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "reservationId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the reservation.</p>
"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"c2jName": "OwnerId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the AWS account that owns the reservation.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the AWS account that owns the reservation.</p>
@param ownerId The ID of the AWS account that owns the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withOwnerId",
"getterDocumentation": "/**<p>The ID of the AWS account that owns the reservation.</p>
*/

"getterMethodName": "getOwnerId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "OwnerId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ownerId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",
"setterDocumentation": "/**<p>The ID of the AWS account that owns the reservation.</p>
*/

"setterMethodName": "setOwnerId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "ownerId",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "requesterId",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RequesterId",
"setterDocumentation": "/**
<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).

@param requesterId The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setRequesterId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "requesterId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).

@param groups [EC2-Classic only] One or more security groups.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"varargSetterMethodName": "withGroups",
"c2jName": "Groups",
"c2jShape": "GroupIdentifierList",
"deprecated": false,
"documentation": "/<p>[EC2-Classic only] One or more security groups.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
<p>[EC2-Classic only] One or more security groups.</p>

@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withGroups",...
"getterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>*/
@return [EC2-Classic only] One or more security groups.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
  "returnType" : "java.util.List<GroupIdentifier>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
    "deprecated" : false,
    "documentation" : "/**
     *\n     *\n    */",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n    *\n    *\n     *\n    *\n    */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     *\n     *\n    */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "GroupIdentifier",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "GroupIdentifier",
 "variableName" : "member",
 "variableType" : "GroupIdentifier",
 "documentation" : "",
 "simpleType" : "GroupIdentifier",
 "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "GroupIdentifier",
 "variableName" : "member",
 "variableType" : "GroupIdentifier",
 "documentation" : "",
 "simpleType" : "GroupIdentifier",
 "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>"
"templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
@param groups [EC2-Classic only] One or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
@param groups [EC2-Classic only] One or more security groups.

NOTE: This method appends the values to the existing list (if any). Use [{@link #setGroups(java.util.Collection)} or [{@link #withGroups(java.util.Collection)} if you want to override the existing values.</p>
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
],
"
c2jName" : "Instances",
"c2jShape" : "InstanceList",
"deprecated" : false,
"documentation" : "One or more instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "One or more instances.</p>@n@param instances One or more instances:
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstances",
"getterDocumentation" : "One or more instances.</p>@n@return One or more instances.*/",
"getterMethodName" : "getInstances",
"getterModel" : {
"returnType" : "java.util.List<Instance>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstancesSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instancesSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Instance",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**@return */",
"getMethodName": "getMember",
"getModel": {
"returnType": "Instance",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"uri": false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Instance",
"variableName" : "member",
"variableType" : "Instance",
"documentation" : "",
"simpleType" : "Instance",
"variableSetterType" : "Instance"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Instance",
"variableName" : "member",
"variableType" : "Instance",
"documentation" : "",
"simpleType" : "Instance",
"variableSetterType" : "Instance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Instance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Instance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Instance>",
"templateType" : "java.util.List<Instance>"
},
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**
One or more instances.</p>
@param instances One or more instances.*/",
"setterMethodName" : "setInstances",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
"variable" : {
"variableDeclarationType" : "Instance",
"variableName" : "instances",
"variableType" : "Instance",
"documentation" : "",
"simpleType" : "Instance",
"variableSetterType" : "Instance"
},
"simple" : false,
"simpleType" : "Instance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Instance>",
"templateType" : "java.util.List<Instance>"
"variableName" : "instances",
"variableType" : "java.util.List<Instance>",
"documentation" : "",
"simpleType" : "List<Instance>",
"variableSetterType" : "java.util.Collection<Instance>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instances.<p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInstances(java.util.Collection)} or { @link #withInstances(java.util.Collection)} if you want to override the existing values.<p>
@returns Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
"variableName" : "instances",
"variableType" : "java.util.List<Instance>",
"documentation" : "<p>One or more instances.</p>",
"simpleType" : "List<Instance>",
"variableSetterType" : "java.util.Collection<Instance>
",
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupNames",
"c2jShape" : "GroupNameStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group names.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security group names.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupNames",
"getterDocumentation" : "/**<p>One or more security group names.</p>
@returns One or more security group names.
",
"getterMethodName" : "getGroupNames",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : { 
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "",
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : { 
      "returnType" : "String",
      "documentation" : null
    },
  }},
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "GroupName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member \n@return */",
  "setterMethodName" : "setMember",
  "setterModel" : { 

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
",
"memberLocationName" : "GroupName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>One or more security group names.</p>
@param groupNames One or more security group names.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group names.</p>
\bNOTE: This..."
method appends the values to the existing list (if any). Use [@link #setGroupNames(java.util.Collection) or  
[@link #withGroupNames(java.util.Collection)] if you want to override the existing values.

@returns

One or more security group names.

**If you want to override the existing values.**

*Param

One or more security group names.

*Return

Returns a reference to this object so that method calls can be chained together.*"*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groupNames",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more security group names.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "GroupNames" : {
    "c2jName" : "GroupNames",
    "c2jShape" : "GroupNameStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more security group names.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more security group names.</p>
    @param
    One or more security group names.
    @return
    Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupNames",
    "getterDocumentation" : "/**<p>One or more security group names.</p>
    @return
    One or more security group names.*/",
    "getterMethodName" : "getGroupNames",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupName",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupName",
      "uri" : false
    },
    "idempotencyToken" : false,
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "GroupName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**\n* One or more security group names.
* @param groupNames One or more security group names.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* One or more security group names.
* NOTE: This method appends the values to the existing list (if any). Use {{@link #setGroupNames(java.util.Collection)}} or {{@link #withGroupNames(java.util.Collection)}} if you want to override the existing values.
* @param groupNames One or more security group names.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more security group names.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null,
"Groups" : {
  "c2jName" : "Groups",
  "c2jShape" : "GroupIdentifierList",
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
  * @param groups
  * [EC2-Classic only] One or more security groups.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
  * @return [EC2-Classic only] One or more security groups.
  */",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<GroupIdentifier>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groupSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  " returnType" : "GroupIdentifier",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
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  "unmarshallLocationName" : "item",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/*<p>[EC2-Classic only] One or more security groups.</p>
@param groups [EC2-Classic only] One or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>[EC2-Classic only] One or more security groups.

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values.*/

@param groups [EC2-Classic only] One or more security groups.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "Instance",
    "documentation" : null
},

"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Member",

"setterDocumentation" : "/**
@param member */",

"setterMethodName" : "setMember",

"setterModel" : {
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    "variableName" : "member",
    "variableType" : "Instance",
    "documentation" : "",
    "simpleType" : "Instance",
    "variableSetterType" : "Instance"
},

"simple" : false,

"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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    "variableName" : "member",
    "variableType" : "Instance",
    "documentation" : "",
    "simpleType" : "Instance",
    "variableSetterType" : "Instance"
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"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "Instance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Instance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Instance>",
"templateType" : "java.util.List<Instance>"
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"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>One or more instances.</p>
@param instances One or more instances.*"",
"setterMethodName" : "setInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<Instance>",
  "documentation" : "",
  "simpleType" : "List<Instance>",
  "variableSetterType" : "java.util.Collection<Instance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instances.</p>
@param instances One or more instances.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<Instance>",
  "documentation" : "One or more instances.",
  "simpleType" : "List<Instance>",
  "variableSetterType" : "java.util.Collection<Instance>"
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"xmlnsNamespaceUri" : null
},
"OwnerId" : {
  "c2jName" : "OwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the AWS account that owns the reservation.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the AWS account that owns the reservation.</p>
@param instances One or more instances.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
    "variableName" : "instances",
    "variableType" : "java.util.List<Instance>",
    "documentation" : "One or more instances.",
    "simpleType" : "List<Instance>",
    "variableSetterType" : "java.util.Collection<Instance>"
  },
  "xmlnsNamespaceUri" : null
},
"OwnerIds" : {
  "c2jName" : "OwnerIds",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the AWS account that owns the reservation.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the AWS account that owns the reservation.</p>
@param instances One or more instances.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
    "variableName" : "instances",
    "variableType" : "java.util.List<Instance>",
    "documentation" : "One or more instances.",
    "simpleType" : "List<Instance>",
    "variableSetterType" : "java.util.Collection<Instance>"
  },
  "xmlnsNamespaceUri" : null
}
"variableName": "ownerId",
"variableType": "String",
"documentation": "<p>The ID of the AWS account that owns the reservation.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri" : null
},
"RequesterId" : {
 "c2jName": "RequesterId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).<br>
@param requesterId The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).<br>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withRequesterId",
"getterDocumentation": "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@return The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).*/",
"getterMethodName": "getRequesterId",
"getterModel": {
 "returnType": "String",
"documentation": null
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 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "RequesterId",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "requesterId",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name" : "RequesterId",
"setterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for
example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the requester that
launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).
*/",
"setterMethodName" : "setRequesterId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "requesterId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for
example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the requester that
launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "requesterId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the requester that launched the instances on your behalf (for example,
AWS Management Console or Auto Scaling).</p>
", "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservationId" : {
  "c2jName" : "ReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the reservation.</p>
", "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the reservation.</p>
@param reservationId The ID of the
reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservationId",
  "getterDocumentation" : "/**<p>The ID of the reservation.</p>
@return The ID of the reservation.
*/",
  "getterMethodName" : "getReservationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
/*
 * The ID of the reservation.
 */

/**
 * The ID of the reservation.
 * @param reservationId The ID of the reservation.
 * @return Returns a reference to this object so that method calls can be chained together.
 */


"flattened" : false,
"resultWrapper" : null
},
"variable" : {
 "variableDeclarationType" : "ReservationState",
 "variableName" : "reservationState",
 "variableType" : "ReservationState",
 "documentation" : null,
 "simpleType" : "ReservationState",
 "variableSetterType" : "ReservationState"
},
"wrapper" : false
},
"ReservationValue" : {
 "c2jName" : "ReservationValue",
 "customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>The cost associated with the Reserved Instance.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
  "c2jName" : "RemainingTotalValue",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining)</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining)</p>
  @param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
  @return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withRemainingTotalValue",
  "getterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining)</p>
  @return The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
  */",
  "getterMethodName" : "getRemainingTotalValue",
  "getterModel" : {
   "returnType" : "String",
   "variableDeclarationType" : "RemainingTotalValue",
   "variableName" : "remainingTotalValue",
   "variableType" : "RemainingTotalValue",
   "documentation" : null,
   "simpleType" : "RemainingTotalValue",
   "variableSetterType" : "RemainingTotalValue"
  }
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"wrapper" : false
}
"documentation" : null },
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RemainingTotalValue",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "remainingTotalValue",
"uri" : false },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**
<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRemainingTotalValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "remainingTotalValue",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "remainingTotalValue",
"variableType" : "String",
"documentation" : "<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The remaining upfront cost of the reservation.</p>
@param remainingUpfrontValue The remaining upfront cost of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "remainingUpfrontValue",
  "variableType" : "String",
  "documentation" : "<p>The remaining upfront cost of the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "HourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The hourly rate of the reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@param hourlyPrice The hourly rate of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHourlyPrice",
"getterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@return The hourly rate of the reservation.*/",
"getterMethodName" : "getHourlyPrice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HourlyPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hourlyPrice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**\n@param hourlyPrice The hourly rate of the reservation.*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : ": ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param hourlyPrice The hourly rate of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "The hourly rate of the reservation.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "HourlyPrice" : {
    "c2jName" : "HourlyPrice",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The hourly rate of the reservation.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param hourlyPrice The hourly rate of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withHourlyPrice",
    "getterDocumentation" : "/**\n@param hourlyPrice The hourly rate of the reservation.\n@return The hourly rate of the reservation.*/",
    "getterMethodName" : "getHourlyPrice",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hourlyPrice",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@param hourlyPrice The hourly rate of the reservation.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
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  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@param hourlyPrice The hourly rate of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>The hourly rate of the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RemainingTotalValue" : {
"c2jName" : "RemainingTotalValue",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemainingTotalValue",
"getterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@return The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).*/",
"getterMethodName" : "getRemainingTotalValue",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"isPayload" : false,
"isStreaming" : false,
"location" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "remainingTotalValue",
"uri" : false
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"map" : false,
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@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
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"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
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"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "remainingTotalValue",
"variableType" : "String",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "remainingTotalValue",
"variableType" : "String",
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String"}
The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).

@returns Returns a reference to this object so that method calls can be chained together.

The remaining upfront cost of the reservation.

@returns The remaining upfront cost of the reservation.

The remaining upfront cost of the reservation.

@returns The remaining upfront cost of the reservation.

The remaining upfront cost of the reservation.

@returns The remaining upfront cost of the reservation.
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"mapModel" : null,
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"setterMethodName" : "setRemainingUpfrontValue",
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  "variableName" : "remainingUpfrontValue",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The remaining upfront cost of the reservation.\n * @param remainingUpfrontValue The remaining upfront cost of the reservation.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
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  "variableName" : "reservationValue",
  "variableType" : "ReservationValue"
"documentation" : null,
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"variableSetterType" : "ReservationValue"
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"c2jName" : "ReservedInstanceLimitPrice",
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"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
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"hasStatusCodemember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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    "documentation" : "<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withAmount",
    "getterDocumentation" : "/**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>@return Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).*/",
    "getterMethodName" : "getAmount",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
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"uri": false,
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"listModel": null,
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"mapModel": null,
"name": "Amount",
"setterDocumentation": "/**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>
@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setAmount",
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  "simpleType": "Double",
  "variableSetterType": "Double"
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"simple": true,
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@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>",
  "simpleType": "Double",
  "variableSetterType": "Double"
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"xmlNameSpaceUri": null
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"c2jShape": "CurrencyCodeValues",
"deprecated": false,
"documentation": "<p>The currency in which the <code>limitPrice</code> amount is specified. At this time,
the only supported currency is `<code>USD</code>`,

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"fluentSetterDocumentation" : "/**
   * The currency in which the `<code>limitPrice</code>` amount is specified. At this time, the only supported currency is `<code>USD</code>`. *param currencyCode* The currency in which the `<code>limitPrice</code>` amount is specified. At this time, the only supported currency is `<code>USD</code>`.
   *return* Returns a reference to this object so that method calls can be chained together.
   *see CurrencyCodeValues*/",

"fluentSetterMethodName" : "withCurrencyCode",

"getterDocumentation" : "/**
   * The currency in which the `<code>limitPrice</code>` amount is specified. At this time, the only supported currency is `<code>USD</code>`. *return* The currency in which the `<code>limitPrice</code>` amount is specified. At this time, the only supported currency is `<code>USD</code>`.
   *see CurrencyCodeValues*/",

"getterMethodName" : "getCurrencyCode",

"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "currencyCode",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "CurrencyCode",

"setterDocumentation" : "/**
   * The currency in which the `<code>limitPrice</code>` amount is specified. At this time, the only supported currency is `<code>USD</code>`. *param currencyCode* The currency in which the `<code>limitPrice</code>` amount is specified. At this time, the only supported currency is `<code>USD</code>`.
   *see CurrencyCodeValues*/",

"setterMethodName" : "setCurrencyCode",

"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
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  "list" : false,
  "listModel" : null,
  "map" : false,
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.\n * @param currencyCode The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.\n * @return Returns a reference to this object so that method calls can be chained together.\n * @see CurrencyCodeValues*/",
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  "documentation" : "The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.",
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  "variableSetterType" : "String"
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    "c2jShape" : "Double",
    "deprecated" : false,
    "documentation" : "Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).\n * @param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).\n * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAmount",
    "getterDocumentation" : "/**\n * Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).\n * @return Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).\n * @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getAmount",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "xmlNameSpaceUri" : null
    }
  }
}
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"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amount",
"uri" : false
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"list" : false,
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"map" : false,
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@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).*/",
"setterMethodName" : "setAmount",
"setterModel" : {
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  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "variableType" : "Double",
  "documentation" : "<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
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"xmlNameSpaceUri" : null
},
"CurrencyCode" : {
  "c2jName" : "CurrencyCode",
  "c2jShape" : "CurrencyCodeValues",
  "deprecated" : false,
  "documentation" : "<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.</p>"}
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**<p>The currency in which the <code>limitPrice</code> amount is
specified. At this time, the only supported currency is <code>USD</code>.</p>
@param currencyCode The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.<br/>
@return Returns a reference to this object so that method calls can be chained
together.<br/>
@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.</p>
@return The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.<br/>
@see CurrencyCodeValues*/",
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"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "currencyCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.<br/>
@param currencyCode The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.<br/>
@return Returns a reference to this object so that method calls can be chained
together.<br/>
@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.</p>
@param currencyCode The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
"variable" : {
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"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.

```
@returns {string} Returns a reference to this object so that method calls can be chained together.
```",
"simpleType" : "String",
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedInstanceLimitPrice",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "ReservedInstanceLimitPrice",
"variableName" : "reservedInstanceLimitPrice",
"variableType" : "ReservedInstanceLimitPrice",
"documentation" : "The total value of the Convertible Reserved Instance.

```
The total value of the Convertible Reserved Instance.
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"variableSetterType" : "ReservedInstanceLimitPrice"},
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"ReservedInstanceReservationValue" : {
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"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "The total value of the Convertible Reserved Instance."},
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"errorCode": null,
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"marshaller": null,
"members": [
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>",
    "enumType": null,
    "fluentSetterDocumentation": /**<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
@<p>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "getterDocumentation": /**<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
@return The ID of the Convertible Reserved Instance that you are exchanging.*/",
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "ReservedInstanceId",
    "setterDocumentation": /**<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
@<p>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ReservedInstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "reservedInstanceId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReservedInstanceId",
"setterDocumentation": /**<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
@<p>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/
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"setterModel": {  
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  "variableName": "reservedInstanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Convertible Reserved Instance that you are exchanging.<p/>
@param reservedInstanceId The ID of the Convertible Reserved Instance that you are exchanging.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": <p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},

"c2jName": "ReservationValue",
"c2jShape": "ReservationValue",
"deprecated": false,
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  "enumType": null,
"fluentSetterDocumentation": "/**<p>The total value of the Convertible Reserved Instance that you are exchanging.<p/>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The total value of the Convertible Reserved Instance that you are exchanging.*/",
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"getModel": {  
  "returnType": "ReservationValue",
  "documentation": null
},
"http": {  
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  "isStreaming": false,
  "location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "reservationValue",
"uri": false}
},
"idempotencyToken": false,
"list": false,
"listModel": null,
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"setterDocumentation": "/**\n\n@param reservationValue The total value of the Convertible Reserved Instance that you are
exchanging.\n*/",
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"documentation": "",
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"variableSetterType": "ReservationValue"
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"simple": false,
"varargSetterDocumentation": "/**\n\n@param reservationValue The total value of the Convertible Reserved Instance that you are
exchanging.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ReservationValue",
"variableName": "reservationValue",
"variableType": "ReservationValue",
"documentation": "<p>The total value of the Convertible Reserved Instance that you are
exchanging.</p>",
"simpleType": "ReservationValue",
"variableSetterType": "ReservationValue"
},
"xmlnsNameSpaceUri": null
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],
"membersAsMap": {
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"c2jShape": "ReservationValue",
"deprecated": false,
"documentation": "<p>The total value of the Convertible Reserved Instance that you are
exchanging.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n\n@param reservationValue The total value of the Convertible Reserved Instance that you are
exchanging.\n@return Returns a reference to this object so that method calls can be chained together.*/"}
"fluentSetterMethodName" : "withReservationValue",
"getterDocumentation" : "/**\n<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>\n@return The total value of the Convertible Reserved Instance that you are exchanging.*/",
"getterMethodName" : "getReservationValue",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
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  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationValue",
  "uri" : false
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"map" : false,
"mapModel" : null,
"name" : "ReservationValue",
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"setterModel" : {
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  "variableName" : "reservationValue",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
},
"simple" : false,
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"documentation": "<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>",
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"deprecated": false,
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"enumType": null,
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@returns Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return The ID of the Convertible Reserved Instance that you are exchanging.</p>*/",
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"documentation": null
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"listModel": null,
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"mapModel": null,
"name": "ReservedInstanceId",
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@return The ID of the Convertible Reserved Instance that you are exchanging.</p>*/"}
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
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@param reservedInstanceId The ID of the Convertible Reserved Instance that you are exchanging.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "ReservedInstanceReservationValue",
    "variableSetterType" : "ReservedInstanceReservationValue"
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"xmlNameSpaceUri" : null
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"required" : null,
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"unmarshaller" : {
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    "variableType" : "ReservedInstanceReservationValue",
    "documentation" : null,
    "simpleType" : "ReservedInstanceReservationValue",
    "variableSetterType" : "ReservedInstanceReservationValue"
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"wrapper" : false
},

"ReservedInstanceState" : {
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        "skipGeneratingModelClass" : false,
    }
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"deprecated" : false,
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}, {
"name" : "Active",
"value" : "active"
}, {
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"value" : "payment-failed"
}, {
"name" : "Retired",
"value" : "retired"
} ],
"errorCode" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
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"resultWrapper" : null
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"variableType" : "ReservedInstanceState",
"documentation" : null,
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"variableSetterType" : "ReservedInstanceState"
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"wrapper" : false
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"ReservedInstances" : {
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"skipGeneratingUnmarshaller" : false
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"hasStreamingMember" : false,
"marshaller" : null,
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
*\t@param reservedInstancesId
*\t@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
*\t@return The ID of the Reserved Instance.*/",
"getterMethodName" : "getReservedInstancesId",
"getterModel" : {  
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"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
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"map" : false,
"mapModel" : null,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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@param reservedInstancesId The ID of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the Reserved Instance.</p>",
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  "variableSetterType" : "String"
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"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
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@return Returns a reference to this object so that method calls can be chained together.</p>
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"getterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@return The instance type on which the Reserved Instance can be used.</p>
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"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "instanceType",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceType",
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@see InstanceType*/",
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The instance type on which the Reserved Instance can be
used.</p>
@param instancetype The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
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  "variableType": "String",
  "documentation": "<p>The instance type on which the Reserved Instance can be used.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
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@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZone*/",
"enumType": null,
Returns a reference to this object so that method calls can be chained together."/",
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"getterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>@return The Availability Zone in which the Reserved Instance can be used.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>@param availabilityZone The Availability Zone in which the Reserved Instance can be used.@return
Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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used.</p>@param availabilityZone The Availability Zone in which the Reserved Instance can be used.@return
Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Start",
"c2jShape" : "DateTime",
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"documentation" : "<p>The date and time the Reserved Instance started.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@param start The date and time the Reserved Instance started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStart",
"getterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@return The date and time the Reserved Instance started.*/",
"getterMethodName" : "getStart",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "start",
  "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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@param start The date and time the Reserved Instance started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStart",
"setterModel" : {

The date and time the Reserved Instance started. \n@returns Returns a reference to this object so that method calls can be chained together.

```java
variable := {
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    "variableName" : "start",
    "variableType" : "java.util.Date",
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    @param start The date and time the Reserved Instance started.
    @return Returns a reference to this object so that method calls can be chained together."
},
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    \n    @param start The date and time the Reserved Instance started.
    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "java.util.Date",
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    @param start The date and time the Reserved Instance started.
    @return Returns a reference to this object so that method calls can be chained together."
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"xmlNameSpaceUri" : null
},
"c2jName" : "End",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time when the Reserved Instance expires.\n\n    @param end The time when the Reserved Instance expires.
    @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEnd",
"getterModel" : {
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    "documentation" : null
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "end",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "End",
"setterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@param end The time when the Reserved Instance expires.*/",
"setterMethodName" : "setEnd",
"setterModel" : {
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  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@param end The time when the Reserved Instance expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
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"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDuration",
"getterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.
@return The duration of the Reserved Instance, in seconds.*/",
"getterMethodName" : "getDuration",
"getterModel" : {

"returnType" : "Long",  
"documentation" : null 
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"http" : {  
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"header" : false,  
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"isStreaming" : false,  
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"uri" : false 
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"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "Duration",  
"setterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.</p>< Atl will return a reference to this object so that method calls can be chained together." */",  
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"setterModel" : {  
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"variableName" : "duration",  
"variableType" : "Long",  
"documentation" : "",
  "simpleType" : "Long",  
  "variableSetterType" : "Long" 
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"simple" : true,  
"varargSetterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.<\p>\n@return Returns a reference to this object so that method calls can be chained together." */",  
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"variableDeclarationType" : "Long",  
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"variableType" : "Long",  
"documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>
  
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  "variableSetterType" : "Long" 
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"c2jShape" : "Float",
"deprecated" : false,
"documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUsagePrice",
"getterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
@return The usage price of the Reserved Instance, per hour.*/",
"getterMethodName" : "getUsagePrice",
"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "UsagePrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "usagePrice",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UsagePrice",
"setterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.*/",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
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  "variableName" : "usagePrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
"simple": true,
"varargSetterDocumentation": "/**<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "Float",
  "documentation": "<p>The usage price of the Reserved Instance, per hour.</p>",
  "simpleType": "Float",
  "variableSetterType": "Float"
},
"variableNameSpaceUri": null,
"c2jName": "FixedPrice",
"c2jShape": "Float",
"deprecated": false,
"documentation": "<p>The purchase price of the Reserved Instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withFixedPrice",
"getterDocumentation": "/**<p>The purchase price of the Reserved Instance.</p>
@return The purchase price of the Reserved Instance.*/",
"getterMethodName": "getFixedPrice",
"getterModel": {
  "returnType": "Float",
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"http": {
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  "isStreaming": false,
  "location": null,
  "marshallLocationName": "FixedPrice",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "fixedPrice",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FixedPrice",
"setterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@para... price The purchase price of the Reserved Instance.*/",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Float",
  "variableName" : "fixedPrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@para fixedPrice The purchase price of the Reserved Instance.\n@return Returns a reference to this object so that method calls can be chained together.*"",
  "variable" : {
    "variableDeclarationType" : "Float",
    "variableName" : "fixedPrice",
    "variableType" : "Float",
    "documentation" : "The purchase price of the Reserved Instance.\n"return Returns a reference to this object so that method calls can be chained together.*"",
    "xmlNameSpaceUri" : null
  }, {
    "c2jName" : "InstanceCount",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The number of reservations purchased.\n\n@return Returns a reference to this object so that method calls can be chained together.*"",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of reservations purchased.</p>
@para instanceCount The number of reservations purchased.\n@return Returns a reference to this object so that method calls can be chained together.*"",
    "fluentSetterMethodName" : "withInstanceCount",
    "getterDocumentation" : "/**<p>The number of reservations purchased.</p>
@para instanceCount The number of reservations purchased.\n@return The number of reservations purchased.*/",
    "getterMethodName" : "getInstanceCount",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**\n@param instanceCount The number of reservations purchased.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
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  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param instanceCount The number of reservations purchased.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "The number of reservations purchased.\n\<p>The number of reservations purchased.\n\<p>\n\<p>The number of reservations purchased.\n\<p>\n\<p>\n\<p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"enumType" : "RIProductDescription",

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"fluentSetterDocumentation":"/**\pnThe Reserved Instance product platform description.\n@param productDescription The Reserved Instance product platform description.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/","fluentSetterMethodName":"withProductDescription","getterDocumentation":"/**\pnThe Reserved Instance product platform description.\n@return The Reserved Instance product platform description.\n@see RIProductDescription*/","getterMethodName":"getProductDescription","getterModel":null,"http":null,"idempotencyToken":false,"list":false,"listModel":null,"map":false,"mapModel":null,"name":"ProductDescription","setterDocumentation":"/**\pnThe Reserved Instance product platform description.\n@param productDescription The Reserved Instance product platform description.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/","setterMethodName":"setProductDescription","setterModel":null,"simple":true,"varargSetterDocumentation":"/**\pnThe Reserved Instance product platform description.\n@param productDescription The Reserved Instance product platform description.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/","variable":null"
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
}
"c2jName" : "State",
"c2jShape" : "ReservedInstanceState",
"deprecated" : false,
"documentation" : "<p>The state of the Reserved Instance purchase.</p>",
"enumType" : "ReservedInstanceState",
"fluentSetterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@param state The state of the Reserved Instance purchase.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedInstanceState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@return The state of the Reserved Instance purchase.
@see ReservedInstanceState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
",
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
}
",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@param state The state of the Reserved Instance purchase.
@see ReservedInstanceState*/",  

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"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@param state The state of the Reserved Instance purchase.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedInstanceState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : 
  "<p>The state of the Reserved Instance purchase.</p>
  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : 
  "Any tags assigned to the resource.
  
  "fluentSetterDocumentation" : 
  
  "@param tags Any tags assigned to the resource.
  
  "return Returns a reference to this object so that method calls can be chained together.
  
  "getterDocumentation" : 
  "@return Any tags assigned to the resource.
  
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\nAny tags assigned to the resource.</p><\n@param tags Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setTags(java.util.Collection) ] or [ @link #withTags(java.util.Collection) ] if you want to override the existing values.*/
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*\*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "<p>The tenancy of the instance.</p>
@return The tenancy of the instance.*\*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceTenancy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceTenancy",
  "uri" : false
},
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"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "InstanceTenancy",
"setterDocumentation": "/**\n@param instanceTenancy The tenancy of the instance.\n@see Tenancy*/",
"setterMethodName": "setInstanceTenancy",
"setterModel": {
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  "variableName": "instanceTenancy",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param instanceTenancy The tenancy of the instance.\n@see Tenancy*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceTenancy",
  "variableType": "String",
  "documentation": "The tenancy of the instance.\n@see Tenancy*/",
  "simple": true,
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
"c2jName": "CurrencyCode",
"c2jShape": "CurrencyCodeValues",
"deprecated": false,
"documentation": "The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n@see CurrencyCodeValues*/",
"enumType": "CurrencyCodeValues",
"fluentSetterDocumentation": "/*\n@param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n@see CurrencyCodeValues*/",
"fluentSetterMethodName": "withCurrencyCode",
"getterDocumentation": "/*\n@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"getterMethodName": "getCurrencyCode",
"getterModel": {
  "returnType": "String",
  "documentation": null
}
**CurrencyCode**

The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is **USD**.

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return currencyCode;
}
```

```java
public void setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null,
}, {
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"c2jShape" : "OfferingTypeValues",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance offering type.</p>",
"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type.@return Returns a reference to this object so that method calls can be chained together.@see OfferingTypeValues*/",
"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "/**<p>The Reserved Instance offering type.</p>@return The Reserved Instance offering type.@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type.@return Returns a reference to this object so that method calls can be chained together.@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The Reserved Instance offering type.
* @param offeringType The Reserved Instance offering type.
* @return Returns a reference to this object so that method calls can be chained together.
* @see OfferingTypeValues*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargesList",
"deprecated" : false,
"documentation" : "<p>The recurring charge tag assigned to the resource.</p>
@param recurringCharges The recurring charge tag assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.
@see RecurringChargeTags*/",
"getRecurringCharges" : 
"getterDocumentation" : "/**\n* The recurring charge tag assigned to the resource.
* @param recurringCharges The recurring charge tag assigned to the resource.
* @return The recurring charge tag assigned to the resource.
* @see RecurringChargeTags*/",
"getterMethodModel" : {
"returnType" : "java.util.List<RecurringCharge>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RecurringCharges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "recurringCharges",
"uri" : false
idempotencyToken: false,
list: true,
listModel: {
  implType: "com.amazonaws.internal.SdkInternalList",
  interfaceType: "java.util.List",
  listMemberModel: {
    c2jName: "member",
    c2jShape: "RecurringCharge",
    deprecated: false,
    documentation: "",
    enumType: null,
    fluentSetterDocumentation: "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
    fluentSetterMethodName: "withMember",
    getterDocumentation: "/**\n@return */",
    getterMethodName: "getMember",
    getterModel: {
      returnType: "RecurringCharge",
      documentation: null
    },
    http: {
      additionalMarshallingPath: null,
      additionalUnmarshallingPath: null,
      flattened: false,
      greedy: false,
      header: false,
      isPayload: false,
      isStreaming: false,
      location: null,
      marshallLocationName: "Item",
      queryString: false,
      statusCode: false,
      unmarshallLocationName: "item",
      uri: false
    },
    idempotencyToken: false,
    list: false,
    listModel: null,
    map: false,
    mapModel: null,
    name: "Member",
    setterDocumentation: "/**\n@param member */",
    setterMethodName: "setMember",
    setterModel: {
      variableDeclarationType: "RecurringCharge",
      variableName: "member",
      variableType: "RecurringCharge",
    }
  }
}

http: {
  additionalMarshallingPath: null,
  additionalUnmarshallingPath: null,
  flattened: false,
  greedy: false,
  header: false,
  isPayload: false,
  isStreaming: false,
  location: null,
  marshallLocationName: "Item",
  queryString: false,
  statusCode: false,
  unmarshallLocationName: "item",
  uri: false
}

idempotencyToken: false,
list: false,
listModel: null,
map: false,
mapModel: null,
name: "Member",
setterDocumentation: "/**\n@param member */",
setterMethodName: "setMember",
setterModel: {
  variableDeclarationType: "RecurringCharge",
  variableName: "member",
  variableType: "RecurringCharge",
}
"documentation" : ",",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
}
,"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
}.,
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "RecurringCharge",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"name" : "RecurringCharges",
"setterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
@param recurringCharges The recurring charge tag assigned to the resource.</p>\n*/",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The recurring charge tag assigned to the
resource.</p>
\n*NOTE:* This method appends the values to the existing list (if any). Use {@link #setRecurringCharges(java.util.Collection)} or {@link #withRecurringCharges(java.util.Collection)} if you want to
override the existing values.</p>\n*/",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
null

```
resource.

@returns a reference to this object so that method calls can be chained together.

variable: {
  variableDeclarationType: "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
  variableName: "recurringCharges",
  variableType: "java.util.List<RecurringCharge>",
  documentation: "<p>The recurring charge tag assigned to the resource.</p>",
  simpleType: "List<RecurringCharge>",
  variableSetterType: "java.util.Collection<RecurringCharge>"
},

xmlNameSpaceUri: null

"c2jName": "OfferingClass",
"c2jShape": "OfferingClassType",
"deprecated": false,
"documentation": "<p>The offering class of the Reserved Instance.</p>",
"enumType": "OfferingClassType",
"fluentSetterDocumentation": "/**<p>The offering class of the Reserved Instance.</p>
@see OfferingClassType*/",
"fluentSetterMethodName": "withOfferingClass",
"getterDocumentation": "/**<p>The offering class of the Reserved Instance.</p>
@see OfferingClassType*/",
"getterMethodName": "getOfferingClass",
"getterModel": {
  returnType: "String",
  documentation: null
},

http: {
  additionalMarshallingPath: null,
  additionalUnmarshallingPath: null,
  flattened: false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OfferingClass",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "offeringClass",
  "uri": false
},

idempotencyToken: false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OfferingClass",
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"setterDocumentation" : "/**\n@\n\p+**\nThe offering class of the Reserved Instance.\n\n\p+**\n@\n\p+*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\p+**\nThe offering class of the Reserved Instance.\n\n\p+**\n@\n\p+*/",
"varargSetterMethodName" : "setOfferingClass",
"varargSetterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "Scope",
"c2jShape" : "scope",
"deprecated" : false,
"documentation" : "The scope of the Reserved Instance.",
"enumType" : "Scope",
"fluentSetterDocumentation" : "/**\n\p+**\nThe scope of the Reserved Instance.\n\n\p+**\n@\n\p+*/",
"fluentSetterMethodName" : "withScope",
"getterDocumentation" : "/**\n\p+**\nThe scope of the Reserved Instance.\n\n\p+**\n@\n\p+*/",
"getterMethodName" : "getScope",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Scope",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "scope",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Scope",
"setterDocumentation" : "/**<p>The scope of the Reserved Instance.</p>
@param scope The scope of the Reserved Instance.
@see Scope*/",
"setterMethodName" : "setScope",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The scope of the Reserved Instance.</p>
@param scope The scope of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "The scope of the Reserved Instance."
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AvailabilityZone" : {"c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The Availability Zone in which the Reserved Instance can be used.
    @param availabilityZone The Availability Zone in which the Reserved Instance can be used."
  }
}}
Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@return The Availability Zone in which the Reserved Instance can be used.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CurrencyCode" : {
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**
The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.

@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**
The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.

@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "currencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel":null,
"name":"CurrencyCode",
"setterDocumentation":"/**\nThe currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n@param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n@see CurrencyCodeValues*/",
"setterMethodName":"setCurrencyCode",
"setterModel":{
"variableDeclarationType":"String",
"variableName":"currencyCode",
"variableType":"String",
"documentation":"",
"simpleType":"String",
"variableSetterType":"String"
},
"simple":true,
"varargSetterDocumentation":"/**\nThe currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n@param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"variable":{
"variableDeclarationType":"String",
"variableName":"currencyCode",
"variableType":"String",
"documentation":"\nThe currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n",
"simpleType":"String",
"variableSetterType":"String"
},
"xmlNameSpaceUri":null
},
"Duration":{
"c2jName":"Duration",
"c2jShape":"Long",
"deprecated":false,
"documentation":"\nThe duration of the Reserved Instance, in seconds.\n",
"enumType":null,
"fluentSetterDocumentation":"/**\nThe duration of the Reserved Instance, in seconds.\n@param duration The duration of the Reserved Instance, in seconds.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withDuration",
"getterDocumentation":"/**\nThe duration of the Reserved Instance, in seconds.\n",
"getMethodName":"getDuration",
"getterModel":{
"returnType":"Long",
"documentation":null
}
The duration of the Reserved Instance, in seconds.</p>
@param duration
The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.

"variable": {"variableDeclarationType": "Long",
"variableName": "duration",
"variableType": "Long",
"documentation": "<p>The duration of the Reserved Instance, in seconds.</p>",
"simpleType": "Long",
"variableSetterType": "Long"
},
"xmlNameSpaceUri": null}
,"End" : {
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Duration",
"setterDocumentation": "/*\n<p>The duration of the Reserved Instance, in seconds.</p>
@param duration
The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setDuration",
"setterModel": {
"variableDeclarationType": "Long",
"variableName": "duration",
"variableType": "Long",
"documentation": "",
"simpleType": "Long",
"variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation": "/*\n<p>The duration of the Reserved Instance, in seconds.</p>
@param duration
The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "Long",
"variableName": "duration",
"variableType": "Long",
"documentation": "<p>The duration of the Reserved Instance, in seconds.</p>",
"simpleType": "Long",
"variableSetterType": "Long"
},
"xmlNameSpaceUri": null
},
"End" : {
"c2jName" : "End",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when the Reserved Instance expires.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@param end The time when the Reserved Instance expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnd",
"getterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@return The time when the Reserved Instance expires.*/",
"getterMethodName" : "getEnd",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "End",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "end",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "End",
"setterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@param end The time when the Reserved Instance expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnd",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "end",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
}.
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "end",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time when the Reserved Instance expires.</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"FixedPrice" : {
  "c2jName" : "FixedPrice",
  "c2jShape" : "Float",
  "deprecated" : false,
  "documentation" : "<p>The purchase price of the Reserved Instance.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
  @param fixedPrice
  The purchase price of the Reserved Instance.</p>
  @return The purchase price of the Reserved Instance.*"/",
  "fluentSetterMethodName" : "withFixedPrice",
  "getterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
  @return The purchase price of the Reserved Instance.*"/",
  "getterMethodName" : "getFixedPrice",
  "getterModel" : {
    "returnType" : "Float",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FixedPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "fixedPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FixedPrice",
"setterDocumentation" : "/**\n@param fixedPrice The purchase price of the Reserved Instance.*/",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Float",
  "variableName" : "fixedPrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param fixedPrice The purchase price of the Reserved Instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Float",
  "variableName" : "fixedPrice",
  "variableType" : "Float",
  "documentation" : "<p>The purchase price of the Reserved Instance.</p>",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"xmlNameSpaceUri" : null
},
"InstanceCount" : {
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of reservations purchased.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer",
  "xmlNameSpaceUri" : null,
  "fluentSetterDocumentation" : "/**\n@param instanceCount The number of reservations purchased.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceCount",
  "getterDocumentation" : "/**\n@return The number of reservations purchased.*/",
  "getterMethodName" : "getInstanceCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCount",
"uri" : false
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**\n<p>The number of reservations purchased.</p>
@param instanceCount The number of reservations purchased.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The number of reservations purchased.</p>\n@param instanceCount The number of reservations purchased.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : "<p>The number of reservations purchased.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"InstanceTenancy" : {
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/*<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.*/\n@return Returns a reference to this object so that method calls can be chained together.\n@see Tenancy*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/*<p>The tenancy of the instance.</p>
@return The tenancy of the instance.*/\n@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceTenancy",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "instanceTenancy",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/*<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.*/\n@return Returns a reference to this object so that method calls can be chained together.\n@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceTenancy",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.*/\n@return Returns a reference to this object so that method calls can be chained
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The tenancy of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
  "enumType" : "InstanceType",
  "fluentSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@return The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
  "getterMethodName" : "getInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name": "InstanceType",
"setterDocumentation": "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"setterMethodName": "setInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "<p>The instance type on which the Reserved Instance can be used.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"OfferingClass": {
  "c2jName": "OfferingClass",
  "c2jShape": "OfferingClassType",
  "deprecated": false,
  "documentation": "<p>The offering class of the Reserved Instance.</p>",
  "enumType": "OfferingClassType",
  "fluentSetterDocumentation": "/*<p>The offering class of the Reserved Instance.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/",
  "fluentSetterMethodName": "withOfferingClass",
  "getterDocumentation": "/*<p>The offering class of the Reserved Instance.</p>
@return The offering class of the Reserved Instance.
@see OfferingClassType*/",
  "getterMethodName": "getOfferingClass",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingClass",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringClass",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : }/**<p>The offering class of the Reserved Instance.</p>
@param offeringClass The offering class of the Reserved Instance.<@see OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : }/**<p>The offering class of the Reserved Instance.</p>
@param offeringClass The offering class of the Reserved Instance.<@return Returns a reference to this object so that method calls can be chained together.<@see OfferingClassType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : }<p>The offering class of the Reserved Instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingType" : {
  "c2jName" : "OfferingType",
  "c2jShape" : "OfferingTypeValues",
  "deprecated" : false,
  "documentation" : }<p>The Reserved Instance offering type.</p>
"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : }/**<p>The Reserved Instance offering type.</p>"
Reserved Instance offering type

@see OfferingTypeValues*/

"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "/**<p>The Reserved Instance offering type.</p>@return The Reserved Instance offering type.\n@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "offeringType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type.\n@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type.\n@see OfferingTypeValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName": "offeringType"
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance offering type.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ProductDescription" : {
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "<!--[/*<p>The Reserved Instance product platform description.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/]*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "<!--[/*<p>The Reserved Instance product platform description.\n@return The Reserved Instance product platform description.\n@see RIProductDescription*/]*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productDescription",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "<!--[/*<p>The Reserved Instance product platform description.\n@param productDescription The Reserved Instance product platform description.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/]*/",}
"setterMethodName" : "setProductDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * @param productDescription The Reserved Instance product platform description.\n * @return Returns a reference to this object so that method calls can be chained together.\n * see RIProductDescription*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "<p>The Reserved Instance product platform description.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargesList",
  "deprecated" : false,
  "documentation" : "<p>The recurring charge tag assigned to the resource.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"setterDocumentation" : "/**
@param member */", "setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "RecurringCharge",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"name" : "RecurringCharges",
"setterDocumentation" : "/**\pnThe recurring charge tag assigned to the resource.\p*\n@param recurringCharges The recurring charge tag assigned to the resource.*"",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
**varargSetterDocumentation**: 

```
/**
 * The recurring charge tag assigned to the resource.
 */
```

**NOTE:** This method appends the values to the existing list (if any). Use [link #setRecurringCharges(java.util.Collection)] or [link #withRecurringCharges(java.util.Collection)] if you want to override the existing values.

```
@returns
```

Returns a reference to this object so that method calls can be chained together.

**variable**: 

```
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"variableName": "recurringCharges",
"variableType": "java.util.List<RecurringCharge>",
"documentation": "The recurring charge tag assigned to the resource.",
"simpleType": "List<RecurringCharge>",
"variableSetterType": "java.util.Collection<RecurringCharge>"
```

**ReservedInstancesId**: 

```
"c2jName": "ReservedInstancesId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the Reserved Instance.",
"enumType": null,
"fluentSetterDocumentation": "The ID of the Reserved Instance.",
"fluentSetterMethodName": "withReservedInstancesId",
"getterDocumentation": "The ID of the Reserved Instance.",
"getterMethodName": "getReservedInstancesId",
"getterModel": {
  "returnType": "String",
  "documentation": null
}
```

**http**: 

```
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "reservedInstancesId",
"uri": false
```

---

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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>*/
@param reservedInstancesId The ID of the Reserved Instance.
setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>*/
@param reservedInstancesId The ID of the Reserved Instance
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Reserved Instance.</p>
@see Scope",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Scope" : {
  "c2jName" : "Scope",
  "c2jShape" : "scope",
  "deprecated" : false,
  "documentation" : "<p>The scope of the Reserved Instance.</p>
@see Scope",
  "enumType" : "Scope",
  "fluentSetterDocumentation" : "/**<p>The scope of the Reserved Instance.</p>*/
@param scope The scope of the Reserved Instance
@return Returns a reference to this object so that method calls can be chained together.
@see Scope",
  "fluentSetterMethodName" : "withScope",
  "getterDocumentation" : "/**<p>The scope of the Reserved Instance.</p>*/
@return The scope of the Reserved Instance
@see Scope",
  "getterMethodName" : "getScope",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Scope",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "scope",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Scope",
"setterDocumentation": "/**<p>The scope of the Reserved Instance.</p>
@param scope The scope of the
Reserved Instance.
@see Scope*/",
"setterMethodName": "setScope",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "scope",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The scope of the Reserved Instance.</p>
@param scope The scope of the
Reserved Instance.
@return Returns a reference to this object so that method calls can be chained
together.\n@see Scope*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "scope",
    "variableType": "String",
    "documentation": "<p>The scope of the Reserved Instance.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Start": {
"c2jName" : "Start",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date and time the Reserved Instance started.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@param start The date and time the Reserved Instance started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStart",
"getterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@return The date and time the Reserved Instance started..*/",
"getterMethodName" : "getStart",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Start",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "start",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Start",
"setterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@param start The date and time the Reserved Instance started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStart",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "start",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
}"}
The date and time the Reserved Instance started.

```javascript
function start()
{
    // param start
    return
}
```

**simple**: true,

**varargSetterDocumentation**: 

```
**<p>The date and time the Reserved Instance started.</p>

@param start
The date and time the Reserved Instance started.

@return Returns a reference to this object so that method calls can be chained together.*"*/
```

**variable**: 

```javascript
{
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "start",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The date and time the Reserved Instance started.</p>
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
```

**xmlNameSpaceUri**: null

```
"State" : {
    "c2jName" : "State",
    "c2jShape" : "ReservedInstanceState",
    "deprecated" : false,
    "documentation" : "<p>The state of the Reserved Instance purchase.</p>
    "enumType" : "ReservedInstanceState",
    "fluentSetterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
     * @param state The state of the Reserved Instance purchase.
     * @return Returns a reference to this object so that method calls can be chained together.
     * @see ReservedInstanceState*/",
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
     * @return The state of the Reserved Instance purchase.
     * @see ReservedInstanceState*/",
    "getterMethodName" : "getState",
    "getterModel" : {
        "returnType" : "String",
        "documentation": null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "State",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "state",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
}
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\n* The state of the Reserved Instance purchase.\n* @param state The state of the Reserved Instance purchase.\n* @see ReservedInstanceState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The state of the Reserved Instance purchase.\n* @param state The state of the Reserved Instance purchase.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see ReservedInstanceState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the Reserved Instance purchase.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* Any tags assigned to the resource.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**\n* Any tags assigned to the resource.\n* @return Any tags assigned to the resource.*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that 
 * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variable SetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**
Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag">
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p>@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the resource.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>",
"xmlNameSpaceUri" : null
},
"UsagePrice" : {
 "c2jName" : "UsagePrice",
 "c2jShape" : "Float",
 "deprecated" : false,
 "documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withUsagePrice",
 "getterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>@return The usage price of the Reserved Instance, per hour.*/",
 "getterMethodName" : "getUsagePrice",
 "getterModel" : {
 "returnType" : "Float",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "usagePrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UsagePrice",
"setterDocumentation" : "/**\n<p>The usage price of the Reserved Instance, per hour.</p>\n@param usagePrice The usage price of the Reserved Instance, per hour.</param*/",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Float",
  "variableName" : "usagePrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The usage price of the Reserved Instance, per hour.</p>\n@param usagePrice The usage price of the Reserved Instance, per hour.\n@return Returns a reference to this object so that method calls can be chained together.</param*/",
"variable" : {
  "variableDeclarationType" : "Float",
  "variableName" : "usagePrice",
  "variableType" : "Float",
  "documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ReservedInstances",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReservedInstances",
  "variableName" : "usagePrice",
  "variableType" : "ReservedInstances",
  "documentation" : "<p>The usage price of the Reserved Instance, per hour.\n@return Returns a reference to this object so that method calls can be chained together.</p>"
"variableName" : "reservedInstances",
"variableType" : "ReservedInstances",
"documentation" : null,
"simpleType" : "ReservedInstances",
"variableSetterType" : "ReservedInstances"
},
"wrapper" : false
},
"ReservedInstancesConfiguration" : {
"c2jName" : "ReservedInstancesConfiguration",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
}
},
"deprecated" : false,
"documentation" : "<p>Describes the configuration settings for the modified Reserved Instances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
{
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone for the modified Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone for the modified Reserved
Instances.</p>@param availabilityZone The Availability Zone for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>@return The Availability Zone for the modified Reserved Instances.*/",
"getterMethodName" : "getAvailabilityZone",
"getModel" : {
 "returnType" : "String",
 "documentation" : null
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"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**
<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.
*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the modified Reserved Instances.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Platforms",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.

**
<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>

*returns* A reference to this object so that method calls can be chained together.
*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>

*/

"xmlNameSpaceUri" : null
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{ "c2jName" : "Platform",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.

**
<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>

*returns* A reference to this object so that method calls can be chained together.
*/

"xmlNameSpaceUri" : null
},
{ "c2jName" : "Usage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The usage data for the modified Reserved Instances.

**
<p>The usage data for the modified Reserved Instances.</p>

*returns* A reference to this object so that method calls can be chained together.
*/

"xmlNameSpaceUri" : null
},
which is either EC2-Classic or EC2-VPC.

@Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>*/

@return The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.*"/

"getterMethodName" : "getPlatform",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>*/

@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.*"/

"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>*/

@var param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.*"/

@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>*/

@return The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.*"/
chained together.*$/, "variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "platform",
   "variableType" : "String",
   "documentation" : "<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
}, {
   "c2jName" : "InstanceCount",
   "c2jShape" : "Integer",
   "deprecated" : false,
   "documentation" : "<p>The number of modified Reserved Instances.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : /**<p>The number of modified Reserved Instances.</p>
   * @param instanceCount The number of modified Reserved Instances.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withInstanceCount",
   "getterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
   * @return The number of modified Reserved Instances.</p>",
   "getterMethodName" : "getInstanceCount",
   "getterModel" : {
       "returnType" : "Integer",
       "documentation" : null
   },
   "http" : {
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       "additionalUnmarshallingPath" : null,
       "flattened" : false,
       "greedy" : false,
       "header" : false,
       "isPayload" : false,
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       "queryString" : false,
       "statusCode" : false,
       "unmarshallLocationName" : "instanceCount",
       "uri" : false
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   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of modified Reserved Instances.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type for the modified Reserved Instances.</p>",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type for the modified Reserved Instances.</p>
@param instanceType The instance type for the modified Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type for the modified Reserved Instances.</p>
\n@return The instance type for the modified Reserved Instances.\n@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**\n\n@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "The instance type for the modified Reserved Instances.
@param instanceType The instance type for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
  "varargSetterDocumentation" : "/**\n\n@see InstanceType*/",
  "xmlNameSpaceUri" : null
},
"c2jName" : "Scope",
"c2jShape" : "scope",
"deprecated" : false,
"documentation" : "Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.
\n@see Scope"
"fluentSetterDocumentation" : "/**\n\n@see Scope"
in a region or instances in a specific Availability Zone.\n@Getter\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);\n
@java.lang.String\n
public String getScope();\n
@java.lang.String\n
public String setScope(String scope);
calls can be chained together.\n\n@see Scope*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "AvailabilityZone" : {
    "c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone for the modified Reserved Instances.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAvailabilityZone",
    "getterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>
@return The Availability Zone for the modified Reserved Instances.*/",
    "getterMethodName" : "getAvailabilityZone",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
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      "marshallLocationName" : "AvailabilityZone",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "availabilityZone",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.<*/"",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the modified Reserved
Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.<*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the modified Reserved Instances.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceCount" : {
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of modified Reserved Instances.</p>",
  "simpleType" : "String",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceCount",
    "variableType" : "String",
    "documentation" : null
  },
  "xmlNameSpaceUri" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.</param>*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of modified Reserved Instances.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "<p>The instance type for the modified Reserved Instances.</p>"}
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type for the modified Reserved Instances.</p>
@param instanceType The instance type for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type for the modified Reserved Instances.</p>
@return The instance type for the modified Reserved Instances.
@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type for the modified Reserved Instances.</p>
@param instanceType The instance type for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type for the modified Reserved Instances.</p>
@param instanceType The instance type for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type for the modified Reserved Instances.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Platform" : {
    "c2jName" : "Platform",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>
@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPlatform",
    "getterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>
@return The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.*/",
    "getterMethodName" : "getPlatform",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "location" : null,
        "marshallLocationName" : "Platform",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "platform",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
}
"setterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>
@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>
@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : ""<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "deprecated" : false,
  "documentation" : "Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.<p></p>",
  "enumType" : "Scope",
  "fluentSetterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>
@param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.<p></p>*/",
  "fluentSetterMethodName" : "withScope",
  "getterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>
@return Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.<p></p>*/",
  "getterMethodName" : "getScope",
  "getterModel" : {

"returnType" : "String",
"documentation" : null
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"http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Scope",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "scope",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Scope",
"setterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>
@param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.
@see Scope*/",
"setterMethodName" : "setScope",
"setterModel" : {
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    "variableName" : "scope",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>
@param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/",
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    "variableType" : "String",
    "documentation" : "<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>",
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"documentation": null,
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"deprecated": false,
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"documentation": "<p>The ID of the Reserved Instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the Reserved Instance.</p>\n@param reservedInstancesId
The ID of the Reserved Instance.\n@return Returns a reference to this object so that method calls can be chained
together.*/

"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**<p>The ID of the Reserved Instance.&lt;/p&gt;&lt;param name="reservedInstancesId" type="String"&gt;The ID of the Reserved Instance.&lt;/p&gt;&lt;/param&gt;*/",
"getterMethodName" : "getReservedInstancesId",
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   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ReservedInstancesId",
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   "statusCode" : false,
   "unmarshallLocationName" : "reservedInstancesId",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance.&lt;/p&gt;&lt;param name="reservedInstancesId" type="String"&gt;The ID of the Reserved Instance.&lt;/p&gt;&lt;/param&gt;*/",
"setterMethodName" : "setReservedInstancesId",
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   "variableName" : "reservedInstancesId",
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   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance.&lt;/p&gt;&lt;param name="reservedInstancesId" type="String"&gt;The ID of the Reserved Instance.&lt;/p&gt;&lt;/param&gt; Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The ID of the Reserved Instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "ReservedInstancesId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Reserved Instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
@return The ID of the Reserved Instance.
*/",
"getterMethodName" : "getReservedInstancesId",
"getterModel" : {
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"documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesId",
  "uri" : false
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"list" : false,
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"map" : false,
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@param reservedInstancesId The ID of the Reserved Instance.
*/"}
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   "variableName" : "reservedInstancesId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId
The ID of the Reserved Instance
@return Returns a reference to this object so that method calls can be chained
together.*/",
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   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedInstancesId",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
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"variable" : {
   "variableDeclarationType" : "ReservedInstancesId",
   "variableName" : "reservedInstancesId",
   "variableType" : "ReservedInstancesId",
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"wrapper" : false
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"ReservedInstancesListing" : {
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      "skipGeneratingMarshaller" : false,
"skipGeneratingUnmarshaller" : false,
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"documentation" : "<p>Describes a Reserved Instance listing.</p>",
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"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ReservedInstancesListingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
  @param reservedInstancesListingId The ID of the Reserved Instance listing.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstancesListingId",
  "getterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
  @return The ID of the Reserved Instance listing.*/",
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    "statusCode" : false,
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  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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@param reservedInstancesListingId The ID of the Reserved Instance listing.
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  "variableSetterType" : "String"
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@param reservedInstancesListingId The ID of the Reserved Instance listing
@returns Returns a reference to this object so that method calls can be chained together.
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  "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance.
@returns Returns a reference to this object so that method calls can be chained together.
*/",
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@returns The ID of the Reserved Instance.
*/",
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    "greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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@param reservedInstancesId The ID of
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  "variableName" : "reservedInstancesId",
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  "variableSetterType" : "String"
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@param reservedInstancesId The ID of
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together.*\*/",
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  "variableSetterType" : "String"
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"c2jShape" : "DateTime",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time the listing was created.</p>
@param createDate The time the
listing was created\n@return Returns a reference to this object so that method calls can be chained
together.*\*/",
"fluentSetterMethodName" : "withCreateDate",}
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@return The time the listing was created.*/",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "statusCode" : false,
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"mapModel" : null,
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"setterDocumentation" : "/**<p>The time the listing was created.</p>
@param createDate The time the listing was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The time the listing was created.</p>
@param createDate The time the listing was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"xmlNameSpaceUri" : null
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"documentation" : "<p>The last modified timestamp of the listing.<p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The last modified timestamp of the listing.<p>/**<p>\n@param updateDate
The last modified timestamp of the listing.<p>/n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUpdateDate",
"getterDocumentation" : "/**<p>The last modified timestamp of the listing.<p>/n@return The last modified timestamp of the listing.<p>/n*/",
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"documentation" : null
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The last modified timestamp of the listing.<p>/n*/",
"setterMethodName" : "setUpdateDate",
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"documentation" : "",  
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"variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "/**<p>The last modified timestamp of the listing.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The last modified timestamp of the listing.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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  "documentation" : "<p>The status of the Reserved Instance listing.</p>",
  "enumType" : "ListingStatus",
  "fluentSetterDocumentation" : "/**<p>The status of the Reserved Instance listing.</p>
@param status  
The status of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.  
@see ListingStatus*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**<p>The status of the Reserved Instance listing.</p>
@return The status of the Reserved Instance listing.  
@see ListingStatus*/",
  "getterMethodName" : "getStatus",
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    "header" : false,
    "isPayload" : false,
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    "uri" : false
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "StatusMessage",
"setterDocumentation" : "/**\n<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>\n@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>\n@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>",
  "simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "InstanceCounts",
"c2jShape" : "InstanceCountList",
"deprecated" : false,
"documentation" : "&lt;p&gt;The number of instances in this state.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The number of instances in this state.&lt;/p&gt;&lt;param name="instanceCounts" The number of instances in this state.&lt;br&gt;&lt;return&gt;Returns a reference to this object so that method calls can be chained together.*\*/

"fluentSetterMethodName" : "withInstanceCounts",
"getterDocumentation" : "/**&lt;p&gt;The number of instances in this state.&lt;/p&gt;&lt;return&gt;The number of instances in this state.*\*/

"getterMethodName" : "getInstanceCounts",
"getterModel" : {
 "returnType" : "java.util.List<InstanceCount>",
 "documentation" : null

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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
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 "uri" : false

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 "listMemberModel" : {
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 "c2jShape" : "InstanceCount",
 "deprecated" : false,
 "documentation" : ",",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n @param member 
 @return Returns a reference to this object so that method calls can be chained together.*\*/

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"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@\n@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "InstanceCount",
  "documentation": null
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  "greedy": false,
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  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InstanceCount",
  "variableName": "member",
  "variableType": "InstanceCount",
  "documentation": "",
  "simpleType": "InstanceCount",
  "variableSetterType": "InstanceCount"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceCount",
  "variableName": "member",
  "variableType": "InstanceCount",
  "documentation": "",
  "simpleType": "InstanceCount",
  "variableSetterType": "InstanceCount"
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "InstanceCount",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceCount",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceCount>",
"templateType" : "java.util.List<InstanceCount>",
"map" : false,
"mapModel" : null,
"name" : "InstanceCounts",
"setterDocumentation" : "/**<p>The number of instances in this state.</p>
@param instanceCounts The number of instances in this state.*/",
"setterMethodName" : "setInstanceCounts",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceCount>",
  "variableName" : "instanceCounts",
  "variableType" : "java.util.List<InstanceCount>",
  "documentation" : "",
  "simpleType" : "List<InstanceCount>",
  "variableSetterType" : "java.util.Collection<InstanceCount>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The number of instances in this state.</p>
NOTE: This method appends the values to the existing list (if any). Use {@link #setInstanceCounts(java.util.Collection)} or
{@link #withInstanceCounts(java.util.Collection)} if you want to override the existing values.</p>
@param instanceCounts The number of instances in this state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceCount>",
  "variableName" : "instanceCounts",
  "variableType" : "java.util.List<InstanceCount>",
  "documentation" : "<p>The number of instances in this state.</p>",
  "simpleType" : "List<InstanceCount>",
  "variableSetterType" : "java.util.Collection<InstanceCount>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "PriceSchedules",
"c2jShape" : "PriceScheduleList",
"deprecated" : false,
"c2jMethod" : {"name" : "PriceSchedules"}
"documentation" : "<p>The price of the Reserved Instance listing.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The price of the Reserved Instance listing.</p>
@\n@param priceSchedules The price of the Reserved Instance listing.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPriceSchedules",
"getterDocumentation" : "/**<p>The price of the Reserved Instance listing.</p>
@\n@return The price of the Reserved Instance listing.*/",
"getterMethodName" : "getPriceSchedules",
"getterModel" : {
  "returnType" : "java.util.List<PriceSchedule>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PriceSchedules",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "priceSchedules",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PriceSchedule",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PriceSchedule",
      "documentation" : null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "PriceSchedule",
  "variableName": "member",
  "variableType": "PriceSchedule",
  "documentation": "",
  "simpleType": "PriceSchedule",
  "variableSetterType": "PriceSchedule"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
  "variableDeclarationType": "PriceSchedule",
  "variableName": "member",
  "variableType": "PriceSchedule",
  "documentation": "",
  "simpleType": "PriceSchedule",
  "variableSetterType": "PriceSchedule"
},
"xmlnsSpaceUri": null
},
"memberLocationName": "item",
"memberType": "PriceSchedule",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PriceSchedule",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
"templateType" : "java.util.List<PriceSchedule>",
},
"map" : false,
"mapModel" : null,
"name" : "PriceSchedules",
"setterDocumentation" : "/**<p>The price of the Reserved Instance listing.</p>
@param priceSchedules The price of the Reserved Instance listing.*/",
"setterMethodName" : "setPriceSchedules",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
  "variableName" : "priceSchedules",
  "variableType" : "java.util.List<PriceSchedule>",
  "documentation" : "",
  "simpleType" : "List<PriceSchedule>",
  "variableSetterType" : "java.util.Collection<PriceSchedule>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The price of the Reserved Instance listing.</p>
@param priceSchedules The price of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
  "variableName" : "priceSchedules",
  "variableType" : "java.util.List<PriceSchedule>",
  "documentation" : "<p>The price of the Reserved Instance listing.</p>",
  "simpleType" : "List<PriceSchedule>",
  "variableSetterType" : "java.util.Collection<PriceSchedule>",
},
"xmlNameSpaceUri" : null,
}
,"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the resource.
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@return Any tags assigned to the resource.*/"
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@returns Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "TagSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "tagSet",
      "uri" : false
    }
  }
}
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**
 * Any tags assigned to the resource.
 */",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * Any tags assigned to the resource.
 */
 <b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link
 #withTags(java.util.Collection)] if you want to override the existing values.

 "variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see
 */",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**
 * A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see
 */"
Idempotency

**return** A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see [Ensuring Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html).

**getterMethodName** : "getClientToken",

**getterModel** : {
    "returnType" : "String",
    "documentation" : null
}

**http** : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ClientToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "clientToken",
    "uri" : false
}

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "ClientToken",

**setterDocumentation** : "/**
A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see [Ensuring Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html).

**setterMethodName** : "setClientToken",

**setterModel** : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}

**simple** : true,

**varargSetterDocumentation** : "/**
A unique, case-sensitive key supplied by the client to ensure that the
request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. 

@returns a reference to this object so that method calls can be chained together. */

```
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>."
    },
```

```
    "membersAsMap" : {
        "ClientToken" : {
            "c2jName" : "ClientToken",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>."
        },
```

```
    "enumType" : null,
    "fluentSetterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
    "getterMethodName" : "getClientToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>/**",
"setterMethodName" : "setClientToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ClientToken",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "clientToken",
 "uri" : false
 },
 "idempotencyToken" : false,
"variableName": "clientToken",
"variableType": "String",
"documentation": "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html" Ensuring Idempotency<a>.
</p>
"simpleType": "String",
"variableSetterType": "String"
,
"xmlNameSpaceUri": null
,
"CreateDate": {
"c2jName": "CreateDate",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The time the listing was created.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The time the listing was created.</p>
@param createDate The time the listing was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCreateDate",
"getterDocumentation": "/**<p>The time the listing was created.</p>
@return The time the listing was created.
*/",
"getterMethodName": "getCreateDate",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CreateDate",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "createDate",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CreateDate"
"setterDocumentation" : "/**<p>The time the listing was created.</p>
@param createDate The time the listing was created.*/",
"setterMethodName" : "setCreateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time the listing was created.</p>
@param createDate The time the listing was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time the listing was created.</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"InstanceCounts" : {
  "c2jName" : "InstanceCounts",
  "c2jShape" : "InstanceCountList",
  "deprecated" : false,
  "documentation" : "<p>The number of instances in this state.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of instances in this state.</p>
  @param instanceCounts The number of instances in this state.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceCounts",
  "getterDocumentation" : "/**<p>The number of instances in this state.</p>
  @return The number of instances in this state.*/",
  "getterMethodName" : "getInstanceCounts",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceCount>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceCounts",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCounts",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : { 
    "c2jName" : "member",
    "c2jShape" : "InstanceCount",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*@param member @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "@return ",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceCount",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceCount",
  "variableName" : "member",
  "variableType" : "InstanceCount",
  "documentation" : "",
  "simpleType" : "InstanceCount",
  "variableSetterType" : "InstanceCount"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceCount",
  "variableName" : "member",
  "variableType" : "InstanceCount",
  "documentation" : "",
  "simpleType" : "InstanceCount",
  "variableSetterType" : "InstanceCount"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceCount",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceCount",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceCount>",
"templateType" : "java.util.List<InstanceCount>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceCounts",
"setterDocumentation" : "/**\n<p>The number of instances in this state.</p>
@param instanceCounts The number of instances in this state.*/",
"setterMethodName" : "setInstanceCounts",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceCount>",
  "variableName" : "instanceCounts",
  "variableType" : "java.util.List<InstanceCount>",
  "documentation" : "",
  "simpleType" : "List<InstanceCount>"
"variableSetterType" : "java.util.Collection<InstanceCount>",
},
"simple" : false,
"varargSetterDocumentation" : "<p>The number of instances in this state.

NOTE: This method appends the values to the existing list (if any). Use [@link #setInstanceCounts(java.util.Collection)] or [@link #withInstanceCounts(java.util.Collection)] if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceCount>",
"variableName" : "instanceCounts",
"variableType" : "java.util.List<InstanceCount>",
"documentation" : "The number of instances in this state.

@returns The number of instances in this state.

@returns Returns a reference to this object so that method calls can be chained together.
",
"PriceSchedules" : {
"c2jName" : "PriceSchedules",
"c2jShape" : "PriceScheduleList",
"deprecated" : false,
"documentation" : "The price of the Reserved Instance listing.

@returns The price of the Reserved Instance listing.

@returns Returns a reference to this object so that method calls can be chained together.
",
"getterMethodName" : "getPriceSchedules",
"getterModel" : {
"returnType" : "java.util.List<PriceSchedule>",
"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PriceSchedules",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "priceSchedules"}
"uri" : false,
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PriceSchedule",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "PriceSchedule",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "PriceSchedule",
"variableName" : "member",
"variableType" : "PriceSchedule"
},
"variableType" : null
}
"variableType" : "PriceSchedule",
"documentation" : "",
"simpleType" : "PriceSchedule",
"variableSetterType" : "PriceSchedule"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "PriceSchedule",
"documentation" : "",
"simpleType" : "PriceSchedule",
"variableSetterType" : "PriceSchedule"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PriceSchedule",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PriceSchedule",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
"templateType" : "java.util.List<PriceSchedule>
},
"map" : false,
"mapModel" : null,
"name" : "PriceSchedules",
"setterDocumentation" : "/**
@param priceSchedules The price of the Reserved Instance listing.
*/

@param priceSchedules The price of the Reserved Instance listing.*/
"setterMethodName" : "setPriceSchedules",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
"variableName" : "priceSchedules",
"variableType" : "java.util.List<PriceSchedule>",
"documentation" : "",
"simpleType" : "List<PriceSchedule>",
"variableSetterType" : "java.util.Collection<PriceSchedule>
"},
"simple" : false,
"varargSetterDocumentation" : "/**
@param priceSchedules The price of the Reserved Instance listing.
*/

NOTE:
This method appends the values to the existing list (if any). Use { @link #setPriceSchedules(java.util.Collection) } or { @link #withPriceSchedules(java.util.Collection) } if you want to override the existing values."
priceSchedules The price of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*

"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
    "variableName": "priceSchedules",
    "variableType": "java.util.List<PriceSchedule>",
    "documentation": "<p>The price of the Reserved Instance listing.</p>",
    "simpleType": "List<PriceSchedule>",
    "variableSetterType": "java.util.Collection<PriceSchedule>"
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"xmlNameSpaceUri": null
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"ReservedInstancesId": {
    "c2jName": "ReservedInstancesId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the Reserved Instance.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the Reserved Instance.</p>\n@param reservedInstancesId
The ID of the Reserved Instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withReservedInstancesId",
    "getterDocumentation": "/**<p>The ID of the Reserved Instance.</p>\n@return The ID of the Reserved Instance.*/",
    "getterMethodName": "getReservedInstancesId",
    "getterModel": {
        "returnType": "String",
        "documentation": null
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    "http": {
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        "location": null,
        "marshallLocationName": "ReservedInstancesId",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "reservedInstancesId",
        "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
"mapModel": null,
"name": "ReservedInstancesId",
"setterDocumentation": "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.*/",
"setterMethodName": "setReservedInstancesId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The ID of the Reserved Instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null

"ReservedInstancesListingId": {
  "c2jName": "ReservedInstancesListingId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the Reserved Instance listing.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "deprecated": false,
  "documentation": null,
  "simple": true,
  "varargSetterDocumentation": "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "reservedInstancesListingId",
    "variableType": "String",
    "documentation": "<p>The ID of the Reserved Instance listing.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
"fluentSetterDocumentation": "<p>The status of the Reserved Instance listing.</p>
@param status The status of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.
@see ListingStatus*/",
"fluentSetterMethodName": "withStatus",
"getterDocumentation": "<p>The status of the Reserved Instance listing.</p>
@return The status of the Reserved Instance listing.
@see ListingStatus*/",
"getterMethodName": "getStatus",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "status",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Status",
"setterDocumentation": "<p>The status of the Reserved Instance listing.</p>
@param status The status of the Reserved Instance listing.
@see ListingStatus*/",
"setterMethodName": "setStatus",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "status",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "<p>The status of the Reserved Instance listing.</p>
@param status The status of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.
@see ListingStatus*/",
"variable": {

"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>The status of the Reserved Instance listing.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
 "c2jName" : "StatusMessage",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>
@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withStatusMessage",
 "getterDocumentation" : "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>
@return The reason for the current status of the Reserved Instance listing. The response can be blank.
*/",
 "getterMethodName" : "getStatusMessage",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "StatusMessage",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "statusMessage",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank."*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "statusMessage",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.
@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "statusMessage",
   "variableType" : "String",
   "documentation" : "<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"Tags" : {
   "c2jName" : "Tags",
   "c2jShape" : "TagList",
   "deprecated" : false,
   "documentation" : "<p>Any tags assigned to the resource.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together."*/",
   "fluentSetterMethodName" : "withTags",
   "getterDocumentation" : "/**<p>Any tags assigned to the resource.</p>@return Any tags assigned to the resource.
"",
   "getterMethodName" : "getTags",
   "getterModel" : {
      "returnType" : "java.util.List<Tag>",
      "documentation" : null
   },
   "http" : {
      "method" : "GET",
      "requestURI" : "/reservation/""
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
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"setterModel": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
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Tag>",
"templateType": "java.util.List<
Tag>"
},
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>Any tags assigned to the resource.</p>\n@param tags Any tags assigned to
the resource.*/",
"setterMethodName": "setTags",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**
* Any tags assigned to the resource.
* <br>NOTE: This method appends the values to the existing list (if any). Use
[@link #setTags(java.util.Collection)] or
[@link #withTags(java.util.Collection)] if you want to override the existing values.
* @param tags Any tags assigned to the resource.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "<p>Any tags assigned to the resource.</p>",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
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"xmlNameSpaceUri": null
},
"UpdateDate": {
"c2jName": "UpdateDate",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The last modified timestamp of the listing.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
* The last modified timestamp of the listing.
* @param updateDate The last modified timestamp of the listing.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUpdateDate",
"getterDocumentation": "/**
* The last modified timestamp of the listing.
* @return The last modified timestamp of the listing.
*"",
"getterMethodName": "getUpdateDate",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location" : null,
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "updateDate",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpdateDate",
"setterDocumentation" : "/**\n\@param updateDate The last modified timestamp of the listing.*/",
"setterMethodName" : "setUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\@param updateDate The last modified timestamp of the listing.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateDate",
  "variableType" : "java.util.Date",
  "documentation" : "The last modified timestamp of the listing."
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedInstancesListing",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "ReservedInstancesListing",
"variableName" : "reservedInstancesListing",
"variableType" : "ReservedInstancesListing",
"documentation" : null,
"simpleType" : "ReservedInstancesListing",
"variableSetterType" : "ReservedInstancesListing"
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"wrapper" : false
},
"ReservedInstancesModification" : {
"c2jName" : "ReservedInstancesModification",
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  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a Reserved Instance modification.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {"c2jName" : "ReservedInstancesModificationId",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>A unique ID for the Reserved Instance modification.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p>*/
  @param
  reservedInstancesModificationId A unique ID for the Reserved Instance modification.
  @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withReservedInstancesModificationId",
   "getterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p>*/
   @return A unique ID for the Reserved Instance modification.*/",
   "getterMethodName" : "getReservedInstancesModificationId",
   "getterModel" : {
     "returnType" : "String",
     "documentation" : null
   }
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesModificationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesModificationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationId",
"setterDocumentation" : "/**\n<p>A unique ID for the Reserved Instance modification.</p>\n@param reservedInstancesModificationId A unique ID for the Reserved Instance modification.*/",
"setterMethodName" : "setReservedInstancesModificationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>A unique ID for the Reserved Instance modification.</p>\n@param reservedInstancesModificationId A unique ID for the Reserved Instance modification.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "<p>A unique ID for the Reserved Instance modification.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ReservedInstancesIds",
"c2jShape" : "ReservedInstancesIds",
"deprecated" : false,
"documentation" : "<p>The IDs of one or more Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The IDs of one or more Reserved Instances.</p>\n@param reservedInstancesIds The IDs of one or more Reserved Instances.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesIds",
    "getterDocumentation" : "/**
     * The IDs of one or more Reserved Instances.
     * @return The IDs of one or more Reserved Instances.*/",
    "getterMethodName" : "getReservedInstancesIds",
    "getterModel" : {
      "returnType" : "java.util.List<ReservedInstancesId>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservedInstancesSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "ReservedInstancesId",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
         * @param member
         * @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
          "returnType" : "ReservedInstancesId",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
"simpleType" : "ReservedInstancesId",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
"templateType" : "java.util.List<ReservedInstancesId>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>The IDs of one or more Reserved Instances.</p>
@param
reservedInstancesIds The IDs of one or more Reserved Instances.</p>
*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "java.util.List<ReservedInstancesId>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesId>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesId>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
The IDs of one or more Reserved Instances.

NOTE: This method appends the values to the existing list (if any). Use {
#setReservedInstancesIds(java.util.Collection)} or {
#withReservedInstancesIds(java.util.Collection)} if you
want to override the existing values.

@defaultValue
The IDs of one or more Reserved Instances.

@return
Returns a reference to this object so that method calls can be chained together."",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "java.util.List<ReservedInstancesId>",
  "documentation" : "The IDs of one or more Reserved Instances.
",
  "simpleType" : "List<ReservedInstancesId>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesId>"
},
"xmlnsNameSpaceUri" : null
},
  "c2jName" : "ModificationResults",
  "c2jShape" : "ReservedInstancesModificationResultList",
  "deprecated" : false,
  "documentation" : "Contains target configurations along with their corresponding new Reserved Instance
IDs.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
Contains target configurations along with their corresponding new Reserved Instance
IDs.

@defaultValue
Contains target configurations along with their corresponding new
Reserved Instance IDs.

@return
Returns a reference to this object so that method calls can be chained together."",
  "fluentSetterMethodName" : "withModificationResults",
  "getterDocumentation" : "/**
Contains target configurations along with their corresponding new Reserved Instance
IDs.

@return
Contains target configurations along with their corresponding new Reserved Instance
IDs.
"
"getterMethodName" : "getModificationResults",
"getterModel" : {
  "returnType" : "java.util.List<ReservedInstancesModificationResult>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ModificationResultSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "modificationResultSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesModificationResult",
    "deprecated" : false,
    "documentation" : ""
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
  * @param member \n  *\n  * Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n  *\n  *\n  *\n  */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "ReservedInstancesModificationResult",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ModificationResultSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "modificationResultSet",
    "uri" : false
  }
}
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedInstancesModificationResult",
"variableName" : "member",
"variableType" : "ReservedInstancesModificationResult",
"documentation" : "",
"simpleType" : "ReservedInstancesModificationResult",
"variableSetterType" : "ReservedInstancesModificationResult"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "ReservedInstancesModificationResult",
"variableName" : "member",
"variableType" : "ReservedInstancesModificationResult",
"documentation" : "",
"simpleType" : "ReservedInstancesModificationResult",
"variableSetterType" : "ReservedInstancesModificationResult"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesModificationResult",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesModificationResult",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
"templateType" : "java.util.List<ReservedInstancesModificationResult>"
"map" : false,
"mapModel" : null,
"name" : "ModificationResults",
"setterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.*/",
"setterMethodName" : "setModificationResults",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
  "variableName" : "modificationResults",
  "variableType" : "java.util.List<ReservedInstancesModificationResult>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesModificationResult>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesModificationResult>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.\n\n@NOTE: This method appends the values to the existing list (if any). Use \{@link #setModificationResults(java.util.Collection)\} or \{@link #withModificationResults(java.util.Collection)\}\ if you want to override the existing values.\n\n@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
  "variableName" : "modificationResults",
  "variableType" : "java.util.List<ReservedInstancesModificationResult>",
  "documentation" : "p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
  "variableSetterType" : "java.util.Collection<ReservedInstancesModificationResult>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CreateDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "p>The time when the modification request was created.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\nThe time when the modification request was created.\n
@param createDate The time when the modification request was created.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateDate",
"getterDocumentation" : "/**\nThe time when the modification request was created.\n
@return The time when the modification request was created.*/",
"getterMethodName" : "getCreateDate",
"getterModel" : {}
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CreateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "createDate",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateDate",
"setterDocumentation" : "/**<p>The time when the modification request was created.</p>
@param createDate
"setterMethodName" : "setCreateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the modification request was created.</p>
@n@param createDate
"varargSetterMethodName" : "setCreateDate",
"varargSetterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
"c2jName" : "UpdateDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when the modification request was last updated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@param updateDate The time when the modification request was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUpdateDate",
"getterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@return The time when the modification request was last updated.*/",
"getterMethodName" : "getUpdateDate",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "updateDate",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpdateDate",
"setterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@param updateDate The time when the modification request was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUpdateDate",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "updateDate",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
"simple" : true,
"varargSetterDocumentation" : "/** <p>The time when the modification request was last updated.</p>
@param updateDate The time when the modification request was last updated.<br/>
@returns A reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "updateDate",
"variableType" : "java.util.Date",
"documentation" : "<p>The time when the modification request was last updated.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "EffectiveDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time for the modification to become effective.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The time for the modification to become effective.</p>
@returns A reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withEffectiveDate",
"getterDocumentation" : "/** <p>The time for the modification to become effective.</p>
@return The time for the modification to become effective. */",
"getterMethodName" : "getEffectiveDate",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EffectiveDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "effectiveDate",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EffectiveDate",
"setterDocumentation": "/**\n\n@param effectiveDate The time for the modification to become effective.*/",
"setterMethodName": "setEffectiveDate",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "effectiveDate",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**\n\n@param effectiveDate The time for the modification to become effective.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "effectiveDate",
  "variableType": "java.util.Date",
  "documentation": "<p>The time for the modification to become effective.</p>
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
],

"c2jName": "Status",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The status of the Reserved Instances modification request.</p>
  "enumType": null,
  "fluentSetterDocumentation": "/**\n\n@param status The status of the Reserved Instances modification request.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withStatus",
  "getterDocumentation": "/**\n\n@return The status of the Reserved Instances modification request.*/",
  "getterMethodName": "getStatus",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "status",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Status",
"setterDocumentation": "/**<p>The status of the Reserved Instances modification request.</p>
@param status The status of the Reserved Instances modification request.</param>
*/",
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "status",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The status of the Reserved Instances modification request.</p>
@param status The status of the Reserved Instances modification request.
@return Returns a reference to this object so that method calls can be chained together.</param>
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "status",
  "variableType": "String",
  "documentation": "<p>The status of the Reserved Instances modification request.</p>
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
},
"c2jName": "StatusMessage",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The reason for the status.</p>
",
"enumType": null,
"fluentSetterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for
the status.</p>@return Returns a reference to this object so that method calls can be chained together.*"/
,"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>The reason for the status.</p>
@return The reason for the status.*"/
,"getterMethodName" : "getStatusMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StatusMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "statusMessage",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for
the status.</p>@return Returns a reference to this object so that method calls can be chained together.*"/
,"setterMethodName" : "setStatusMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for
the status.</p>@return Returns a reference to this object so that method calls can be chained together.*"/
,"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String"}
"documentation" : "The reason for the status."},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>

"enumType" : null,
"fluentSetterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"fluentSetterMethodName" : "withClientToken",
"setterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"setterMethodName" : "getClientToken",
"setterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "/**
* A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setClientToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
* A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

return"
},
"xmlnsSpaceUri": null
}],
"deprecated" : false,
"documentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"enumType" : null,
"fluentSetterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"getterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request
is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

### @param clientToken
A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```java
setterMethodName" : "setClientToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>."
```

### CreateDate

```java
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "The time when the modification request was created."
},
"xmlNameSpaceUri" : null
},
"CreateDate" : {
    "c2jName" : "CreateDate",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "The time when the modification request was created."
},
"fluentSetterDocumentation" : "The time when the modification request was created."
```

### @return

Returns a reference to this object so that method calls can be chained together.

```java
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CreateDate" : {
    "c2jName" : "CreateDate",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "The time when the modification request was created."
},
"fluentSetterDocumentation" : "The time when the modification request was created."
```
"getterMethodName" : "getCreateDate",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CreateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "createDate",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateDate",
"setterDocumentation" : "/**<p>The time when the modification request was created.</p>
@param createDate The time when the modification request was created.*/",
"setterMethodName" : "setCreateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the modification request was created.</p>
@param createDate The time when the modification request was created.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time when the modification request was created.</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
"xmlNameSpaceUri" : null
},
"EffectiveDate" : {
  "c2jName" : "EffectiveDate",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "The time for the modification to become effective."",
  "enumType" : null,
  "fluentSetterDocumentation" : "The time for the modification to become effective.
  \n  @param effectiveDate The time for the modification to become effective.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  ",
  "fluentSetterMethodName" : "withEffectiveDate",
  "getterDocumentation" : "The time for the modification to become effective.
  \n  @return The time for the modification to become effective.
  ",
  "getterMethodName" : "getEffectiveDate",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EffectiveDate",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "effectiveDate",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "EffectiveDate",
  "setterDocumentation" : "The time for the modification to become effective.
  \n  @param effectiveDate The time for the modification to become effective.
  ",
  "setterMethodName" : "setEffectiveDate",
  "setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "effectiveDate",
    "variableType" : "java.util.Date",
    "xmlNameSpaceUri" : null
  }
}
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time for the modification to become effective.
@param effectiveDate The time for the modification to become effective.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "effectiveDate",
"variableType" : "java.util.Date",
"documentation" : "<p>The time for the modification to become effective.</p>
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"ModificationResults" : {
"c2jName" : "ModificationResults",
"c2jShape" : "ReservedInstancesModificationResultList",
"deprecated" : false,
"documentation" : "<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withModificationResults",
"getterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
@return Contains target configurations along with their corresponding new Reserved Instance IDs.</p>*/",
"getterMethodName" : "getModificationResults",
"getterModel" : {
"returnType" : "java.util.List<ReservedInstancesModificationResult>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ModificationResultSet",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "modificationResult",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesModificationResult",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
d method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstancesModificationResult",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
"uri" : false}
"setterModel": {  
"variableDeclarationType": "ReservedInstancesModificationResult",  
"variableName": "member",  
"variableType": "ReservedInstancesModificationResult",  
"documentation": "",  
"simpleType": "ReservedInstancesModificationResult",  
"variableSetterType": "ReservedInstancesModificationResult" 
},  
"simple": false,  
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {  
"variableDeclarationType": "ReservedInstancesModificationResult",  
"variableName": "member",  
"variableType": "ReservedInstancesModificationResult",  
"documentation": "",  
"simpleType": "ReservedInstancesModificationResult",  
"variableSetterType": "ReservedInstancesModificationResult"  
},  
"xmlNameSpaceUri": null 
},  
"memberLocationName": "item",  
"memberType": "ReservedInstancesModificationResult",  
"map": false,  
"marshallNonAutoConstructedEmptyLists": false,  
"memberAdditionalMarshallingPath": null,  
"memberAdditionalUnmarshallingPath": null,  
"sendEmptyQueryString": false,  
"simple": false,  
"simpleType": "ReservedInstancesModificationResult",  
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",  
"templateType": "java.util.List<ReservedInstancesModificationResult>" 
},  
"map": false,  
"mapModel": null,  
"name": "ModificationResults",  
"setterDocumentation": "/**
Contains target configurations along with their corresponding new Reserved Instance IDs.
*/
@param modificationResults
Contains target configurations along with their corresponding new Reserved Instance IDs."/
"setterMethodName": "setModificationResults",  
"setterModel": {  
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",  
"variableName": "modificationResults",  
"variableType": "java.util.List<ReservedInstancesModificationResult>",  
"documentation": "",  
"simpleType": "List<ReservedInstancesModificationResult>",  
"variableSetterType": "java.util.Collection<ReservedInstancesModificationResult>"  
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use
{@link #setModificationResults(java.util.Collection)} or
{@link #withModificationResults(java.util.Collection)} if you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.*"/
"variable" : {
"variableDeclarationType" :
"com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
"variableName" : "modificationResults",
"variableType" : "java.util.List<ReservedInstancesModificationResult>",
"documentation" : "<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>",
"simpleType" : "List<ReservedInstancesModificationResult>",
"variableSetterType" : "java.util.Collection<ReservedInstancesModificationResult>",
"xmlNameSpaceUri" : null
},
"ReservedInstancesIds" : {
"c2jName" : "ReservedInstancesIds",
"c2jShape" : "ReservedIntancesIds",
"deprecated" : false,
"documentation" : "<p>The IDs of one or more Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of one or more Reserved Instances.</p>
@returns Returns a reference to this object so that method calls can be chained together.*"/
"fluentSetterMethodName" : "withReservedInstancesIds",
"getterDocumentation" : "/**<p>The IDs of one or more Reserved Instances.</p>
@returns The IDs of one or more Reserved Instances.*"/
"getterMethodName" : "getReservedInstancesIds",
"getterModel" : {
"returnType" : "java.util.List<ReservedInstancesId>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "ReservedInstancesId",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**
 * @return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "ReservedInstancesId",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Member",
 "setterDocumentation" : "/**
 * @param member
 * @return */",
 "setterMethodName" : "setMember",
 "setterModel" : {
}
"variableDeclarationType": "ReservedInstancesId",
"variableName": "member",
"variableType": "ReservedInstancesId",
"documentation": "",
"simpleType": "ReservedInstancesId",
"variableSetterType": "ReservedInstancesId"
}
,"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable": {

"variableDeclarationType": "ReservedInstancesId",
"variableName": "member",
"variableType": "ReservedInstancesId",
"documentation": "",
"simpleType": "ReservedInstancesId",
"variableSetterType": "ReservedInstancesId"
}
,"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstancesId",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstancesId",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
"templateType": "java.util.List<ReservedInstancesId>"
},
"map": false,
"mapModel": null,
"name": "ReservedInstancesIds",
"setterDocumentation": "/**<p>The IDs of one or more Reserved Instances.</p>
@param reservedInstancesIds The IDs of one or more Reserved Instances.*/",

"setterMethodName": "setReservedInstancesIds",
"setterModel": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
"variableName": "reservedInstancesIds",
"variableType": "java.util.List<ReservedInstancesId>",
"documentation": "",
"simpleType": "List<ReservedInstancesId>",
"variableSetterType": "java.util.Collection<ReservedInstancesId>"
}
,"simple": false,
"varargSetterDocumentation": "/**<p>The IDs of one or more Reserved Instances.</p>\n\b\bNOTE:</b>
This method appends the values to the existing list (if any). Use `{@link #setReservedInstancesIds(java.util.Collection)} or `{@link #withReservedInstancesIds(java.util.Collection)} if you want to override the existing values.</p>

@returns {} A reference to this object so that method calls can be chained together.

```java
public ReservedInstancesModificationId withReservedInstancesModificationId(String reservedInstancesModificationId) {
    setReservedInstancesModificationId(reservedInstancesModificationId);
    return this;
}
```

@returns {java.util.List<ReservedInstancesId>} The IDs of one or more Reserved Instances.

@returns {null} returns a reference to this object so that method calls can be chained together.

```java
public ReservedInstancesModificationId getReservedInstancesModificationId() {
    return reservedInstancesModificationId;
}
```

@returns {null} A unique ID for the Reserved Instance modification.

@returns {com.amazonaws.internal.SdkInternalList<ReservedInstancesId>} A unique ID for the Reserved Instance modification.

@returns {null} a reference to this object so that method calls can be chained together.

```java
public ReservedInstancesModificationId withReservedInstancesIds(java.util.Collection<ReservedInstancesId> reservedInstancesIds) {
    setReservedInstancesIds(reservedInstancesIds);
    return this;
}
```

@returns {List<ReservedInstancesId>} The IDs of one or more Reserved Instances.

@returns {null} returns a reference to this object so that method calls can be chained together.

```java
public void setReservedInstancesIds(java.util.Collection<ReservedInstancesId> reservedInstancesIds) {
    this.reservedInstancesIds = new com.amazonaws.internal.SdkInternalList<ReservedInstancesId>(null);
    this.reservedInstancesIds.addAll(reservedInstancesIds);
}
```

@returns {com.amazonaws.internal.SdkInternalList<ReservedInstancesId>} returns a reference to this object so that method calls can be chained together.
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationId",
"setterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p>
@param reservedInstancesModificationId A unique ID for the Reserved Instance modification. */",
"setterMethodName" : "setReservedInstancesModificationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p>
@param reservedInstancesModificationId A unique ID for the Reserved Instance modification.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "<p>A unique ID for the Reserved Instance modification.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The status of the Reserved Instances modification request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@param status The status of the Reserved Instances modification request.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@return The status of the Reserved Instances modification request. */",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unnmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@param status The status of the Reserved Instances modification request.</p>*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@param status The status of the Reserved Instances modification request.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>The status of the Reserved Instances modification request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The reason for the status.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for the status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>The reason for the status.</p>
@return The reason for the status.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StatusMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for the status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "statusMessage",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for the status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "statusMessage",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"variableName" : "statusMessage",
"variableType" : "String",
"documentation" : "<p>The reason for the status.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpdateDate" : {
 "c2jName" : "UpdateDate",
 "c2jShape" : "DateTime",
 "deprecated" : false,
 "documentation" : "<p>The time when the modification request was last updated.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
*param updateDate The time when the modification request was last updated.*
*return Returns a reference to this object so that method calls can be chained together.*
*/",
 "getterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
*return The time when the modification request was last updated.*
*/",
 "getterMethodName" : "getUpdateDate",
 "getterModel" : {
 "returnType" : "java.util.Date",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "UpdateDate",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "updateDate",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "UpdateDate",
 "setterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
*param updateDate The time when the modification request was last updated.*
*/"
"setterMethodName" : "setUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@param updateDate The time when the modification request was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesModification",
  "variableName" : "reservedInstancesModification",
  "variableType" : "ReservedInstancesModification",
  "documentation" : null,
  "simpleType" : "ReservedInstancesModification",
  "variableSetterType" : "ReservedInstancesModification"
},
"wrapper" : false
},
"ReservedInstancesModificationResult" : {
  "c2jName" : "ReservedInstancesModificationResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "xmlNameSpaceUri" : null
  },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ReservedInstancesModification",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "ReservedInstancesModification",
    "variableName" : "reservedInstancesModification",
    "variableType" : "ReservedInstancesModification",
    "documentation" : null,
    "simpleType" : "ReservedInstancesModification",
    "variableSetterType" : "ReservedInstancesModification"
  },
  "wrapper" : false
},
"ReservedInstancesModificationResult" : {
  "c2jName" : "ReservedInstancesModificationResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "xmlNameSpaceUri" : null
  },
  "requestSignerAware" : false,
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  "required" : null,
  "shapeName" : "ReservedInstancesModification",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "reservedInstancesModification",
    "variableType" : "ReservedInstancesModification",
    "documentation" : null,
    "simpleType" : "ReservedInstancesModification",
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  },
  "wrapper" : false
},
"ReservedInstancesModificationResult" : {
  "c2jName" : "ReservedInstancesModificationResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "xmlNameSpaceUri" : null
  },
  "requestSignerAware" : false,
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  "shapeName" : "ReservedInstancesModification",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "reservedInstancesModification",
    "variableType" : "ReservedInstancesModification",
    "documentation" : null,
    "simpleType" : "ReservedInstancesModification",
    "variableSetterType" : "ReservedInstancesModification"
  },
  "wrapper" : false
},
"ReservedInstancesModificationResult" : {
  "c2jName" : "ReservedInstancesModificationResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "xmlNameSpaceUri" : null
  },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ReservedInstancesModification",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "ReservedInstancesModification",
    "variableName" : "reservedInstancesModification",
    "variableType" : "ReservedInstancesModification",
    "documentation" : null,
    "simpleType" : "ReservedInstancesModification",
    "variableSetterType" : "ReservedInstancesModification"
  },
  "wrapper" : false
}
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "&lt;p&gt;Describes the modification request/s.&lt;/p&gt;",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "ReservedInstancesId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The ID for the Reserved Instances that were created as part of the modification request.
This field is only available when the modification is fulfilled.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*&lt;p&gt;The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.&lt;/p&gt;\n@param
reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesId",
    "getterDocumentation" : "/*&lt;p&gt;The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.&lt;/p&gt;\n@return
The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.*/",
    "getterMethodName" : "getReservedInstancesId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ReservedInstancesId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "reservedInstancesId",
        "uri" : false
    }
}]}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "\/*\p The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n@\param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.*/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\/*\p The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n@\param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n@\param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TargetConfiguration",
"c2jShape" : "ReservedInstancesConfiguration",
"deprecated" : false,
"documentation" : "The target Reserved Instances configurations supplied as part of the modification request.\n@\param targetConfiguration The target Reserved Instances configurations supplied as part of the modification request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "The target Reserved Instances configurations supplied as part of the modification request.\n@\param targetConfiguration The target Reserved Instances configurations supplied as part of the modification request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetConfiguration",
"getterDocumentation" : "The target Reserved Instances configurations supplied as part of the
modification request.</p>
@return The target Reserved Instances configurations supplied as part of the
modification request.*/
,"getterMethodName" : "getTargetConfiguration",
"getterModel" : {
 "returnType" : "ReservedInstancesConfiguration",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "TargetConfiguration",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "targetConfiguration",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetConfiguration",
"setterDocumentation" : "/**<p>The target Reserved Instances configurations supplied as part of the
modification request.</p>
@param targetConfiguration The target Reserved Instances configurations supplied as
part of the modification request.*/",
"setterMethodName" : "setTargetConfiguration",
"setterModel" : {
 "variableDeclarationType" : "ReservedInstancesConfiguration",
 "variableName" : "targetConfiguration",
 "variableType" : "ReservedInstancesConfiguration",
 "documentation" : "",
 "simpleType" : "ReservedInstancesConfiguration",
 "variableSetterType" : "ReservedInstancesConfiguration"
 },
"simple" : false,
"varargSetterDocumentation" : "/**<p>The target Reserved Instances configurations supplied as part of the
modification request.</p>
@returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
 "variableDeclarationType" : "ReservedInstancesConfiguration",
 "variableName" : "targetConfiguration",
}
"variableType" : "ReservedInstancesConfiguration",
"documentation" : "<p>The target Reserved Instances configurations supplied as part of the modification request.</p>",
"simpleType" : "ReservedInstancesConfiguration",
"variableSetterType" : "ReservedInstancesConfiguration"
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"ReservedInstancesId" : {
"c2jName" : "ReservedInstancesId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\t\t\tThe ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\t\n\t@param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\t\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**\n\t\t\tThe ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\t\n\t@return The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.*/",
"getterMethodName" : "getReservedInstancesId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p>
@param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled. */",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "(variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p>
@param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.
@return The target Reserved Instances configurations supplied as part of the modification request. */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetConfiguration" : {
  "c2jName" : "TargetConfiguration",
  "c2jShape" : "ReservedInstancesConfiguration",
  "deprecated" : false,
  "documentation" : "The target Reserved Instances configurations supplied as part of the modification request. */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The target Reserved Instances configurations supplied as part of the modification request. */",
  "fluentSetterMethodName" : "withTargetConfiguration",
  "getterDocumentation" : "/**<p>The target Reserved Instances configurations supplied as part of the modification request. */",
  "map" : false,
  "mapModel" : null,
  "name" : "ReservedInstancesId"
}
modification request.*/

  "getterMethodName" : "getTargetConfiguration",
  "getterModel" : {
    "returnType" : "ReservedInstancesConfiguration",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TargetConfiguration",
    "queryString" : null,
    "statusCode" : null,
    "unmarshallLocationName" : "targetConfiguration",
    "uri" : false
  },
  "idempotencyToken" : null,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "TargetConfiguration",
  "setterDocumentation" : "/@*\n@param targetConfiguration The target Reserved Instances configurations supplied as part of the
modification request.*/\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setTargetConfiguration",
  "setterModel" : {
    "variableDeclarationType" : "ReservedInstancesConfiguration",
    "variableName" : "targetConfiguration",
    "variableType" : "ReservedInstancesConfiguration",
    "documentation" : null,
    "simpleType" : "ReservedInstancesConfiguration",
    "variableSetterType" : "ReservedInstancesConfiguration"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/@*\n@param targetConfiguration The target Reserved Instances configurations supplied as part of the
modification request.*/\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "ReservedInstancesConfiguration",
    "variableName" : "targetConfiguration",
    "variableType" : "ReservedInstancesConfiguration",
The target Reserved Instances configurations supplied as part of the modification request.

Describes a Reserved Instance offering.

The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.<p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>\n@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.\n@return Returns a reference to this object so that method calls can be chained together.*///",
"fluentSetterMethodName" : "withReservedInstancesOfferingId",
"getterDocumentation" : "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@return The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.*///",
"getterMethodName" : "getReservedInstancesOfferingId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesOfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesOfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>\n@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.*///",
"setterMethodName" : "setReservedInstancesOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesOfferingId",
  "variableType" : "String",
  "documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"},
"simple" : true,
"vargargSetterDocumentation" : "/**\n*p The ID of the Reserved Instance offering. This is the offering ID used in\nGetReservedInstancesExchangeQuote to confirm that an exchange can be made.\n\n@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in\nGetReservedInstancesExchangeQuote to confirm that an exchange can be made.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesOfferingId",
"variableType" : "String",
"documentation" : "The ID of the Reserved Instance offering. This is the offering ID used in\nGetReservedInstancesExchangeQuote to confirm that an exchange can be made.\n\n@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in\nGetReservedInstancesExchangeQuote to confirm that an exchange can be made.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "The instance type on which the Reserved Instance can be used.\n\n@param instanceType The instance type on which the Reserved Instance can be used.\n\n@return The instance type on which the Reserved Instance can be used.\n\n@see InstanceType*",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "The instance type on which the Reserved Instance can be used.\n\n@return The instance type on which the Reserved Instance can be used.\n\n@see InstanceType*",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.</param> returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "The Availability Zone in which the Reserved Instance can be used.
<br>
<param availabilityZone The Availability Zone in which the Reserved Instance can be used.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>
<enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String"}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "The Availability Zone in which the Reserved Instance can be used.
\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.\n\n@return Returns a reference to this object so that method calls can be chained together.
\n@returns A JSON object containing the following fields:"
},
"xmlNameSpaceUri" : null
},

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"c2jName" : "Duration",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "&lt;p&gt;The duration of the Reserved Instance, in seconds.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The duration of the Reserved Instance, in seconds.&lt;/p&gt;&lt;returns&gt; Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDuration",
"getterDocumentation" : "/**&lt;p&gt;The duration of the Reserved Instance, in seconds.&lt;/p&gt;&lt;returns&gt; The duration of the Reserved Instance, in seconds.&lt;/returns&gt;&lt;/p&gt;",
"getterMethodName" : "getDuration",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Duration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "duration",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Duration",
"setterDocumentation" : "/**&lt;p&gt;The duration of the Reserved Instance, in seconds.&lt;/p&gt;&lt;returns&gt; The duration of the Reserved Instance, in seconds.&lt;/returns&gt;&lt;/p&gt;",
"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "duration",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
}
"simple": true,
"varargSetterDocumentation": "/**<p>The duration of the Reserved Instance, in seconds.<p>
@para param duration The duration of the Reserved Instance, in seconds.<p>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "Long",
  "variableName": "duration",
  "variableType": "Long",
  "documentation": "<p>The duration of the Reserved Instance, in seconds.</p>
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"xmlNameSpaceUri": null
},
  "c2jName": "UsagePrice",
  "c2jShape": "Float",
  "deprecated": false,
  "documentation": "<p>The usage price of the Reserved Instance, per hour.</p>
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The usage price of the Reserved Instance, per hour.</p>
@para param usagePrice The usage price of the Reserved Instance, per hour.<p>
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName": "withUsagePrice",
  "getterDocumentation": "/**<p>The usage price of the Reserved Instance, per hour.</p>
@para param usagePrice The usage price of the Reserved Instance, per hour.<p>
@return The usage price of the Reserved Instance, per hour.*",
  "getterMethodName": "getUsagePrice",
  "getterModel": {
    "returnType": "Float",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "UsagePrice",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "usagePrice",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
The usage price of the Reserved Instance, per hour.

```java
@param usagePrice
```

```

@return
```

```

method calls can be chained together.*/
```

```

The purchase price of the Reserved Instance.
```

```

method calls can be chained together.*/
```

```

The purchase price of the Reserved Instance.
```

```

The purchase price of the Reserved Instance.
```

```

The purchase price of the Reserved Instance.
```

```

The purchase price of the Reserved Instance.
```

```

The purchase price of the Reserved Instance.
```

"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fixedPrice",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FixedPrice",
"setterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.*/",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
    "variableDeclarationType" : "Float",
    "variableName" : "fixedPrice",
    "variableType" : "Float",
    "documentation" : "",
    "simpleType" : "Float",
    "variableSetterType" : "Float"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "fixedPrice",
    "variableType" : "Float",
    "documentation" : "<p>The purchase price of the Reserved Instance.</p>",
    "simpleType" : "Float",
    "variableSetterType" : "Float"
},
"xmlNameSpaceUri" : null,
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance product platform description.*/",
"name" : "FixedPrice",
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallLocationName" : "FixedPrice",
"ors" : false,
"queryString" : false,
"pragma" : false,
"pragmas" : false,
productDescription The Reserved Instance product platform description.

@return Returns a reference to this object so that method calls can be chained together.

@see RIProductDescription*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/**<p>The Reserved Instance product platform description.</p><p>@return The Reserved Instance product platform description.</p>@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productDescription",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The Reserved Instance product platform description.</p><p>@param productDescription The Reserved Instance product platform description.</p>@see RIProductDescription*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description.</p><p>@param productDescription The Reserved Instance product platform description.</p>@return Returns a reference to this object so that method calls can be chained together.</p>@see RIProductDescription*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription"}
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/**<p>The tenancy of the instance.</p>
@return The tenancy of the instance.
@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n   * The tenancy of the instance.
   * @param instanceTenancy The tenancy of the instance.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "The tenancy of the instance.
   * @param instanceTenancy The tenancy of the instance.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see Tenancy*/",
  "simple" : true,
  "varargSetterDocumentation" : "/**\n   * The tenancy of the instance.
   * @param instanceTenancy The tenancy of the instance.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see Tenancy*/",
  "xmlNameSpaceUri" : null,
},
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
   * @param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see CurrencyCodeValues*/",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**\n   * The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
   * @param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**\n   * The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
   * @return The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
   * @see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"marshallLocationName": "CurrencyCode",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "currencyCode",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CurrencyCode",
"setterDocumentation": "/**\n * The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n *
 * @param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n * @see CurrencyCodeValues*/",
"setterMethodName": "setCurrencyCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n *
 * @param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n * @return Returns a reference to this object so that method calls can be chained together.\n * @see CurrencyCodeValues*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri" : null
}, 
"c2jName" : "OfferingType",
"c2jShape" : "OfferingTypeValues",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance offering type.</p>",
"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@return The Reserved Instance offering type.
@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance offering type.<p>
@\@param offeringType The Reserved Instance offering type.<\p>
\@return Returns a reference to this object so that method calls can be chained
        together.<p>
\@see OfferingTypeValues*/",
"variable" : {
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    "variableName" : "offeringType",
    "variableType" : "String",
    "documentation" : "<p>The Reserved Instance offering type.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
    "c2jName" : "RecurringCharges",
    "c2jShape" : "RecurringChargesList",
    "deprecated" : false,
    "documentation" : "<p>The recurring charge tag assigned to the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
\@param recurringCharges The recurring charge tag assigned to the resource.<p>
\@return Returns a reference to this object so that method calls can be chained
        together.*\*/",
    "fluentSetterMethodName" : "withRecurringCharges",
    "getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
\@return The recurring charge tag assigned to the resource.*\*/",
    "getterMethodName" : "getRecurringCharges",
    "getterModel" : {
        "returnType" : "java.util.List<RecurringCharge>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "RecurringCharges",
        "queryString" : null,
        "statusCode" : false,
        "unmarshallLocationName" : "recurringCharges",
        "uri" : false
    },
    "idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "RecurringCharge",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**
@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "RecurringCharge",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "RecurringCharge",
            "variableName" : "member",
            "variableType" : "RecurringCharge",
            "documentation" : "",
            "simpleType" : "RecurringCharge",
        },
"map" : false,
"mapModel" : null,
"name" : "Marketplace",
"setterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved Instance
Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is
<br><code>true</code>.\n</p><p>@param marketplace Indicates whether the offering is available through the Reserved
Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is
<br><code>true</code>.</p>*/",
"setterMethodName" : "setMarketplace",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace
(resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved
Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is
<br><code>true</code>.\n</p><p>@param marketplace Indicates whether the offering is available through the Reserved
Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is
<br><code>true</code>.
<br>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "The pricing details of the Reserved Instance offering.<p>
<br>@param pricingDetails The pricing details of the Reserved Instance offering.<br>@return Returns a reference to this object so that method calls can be chained together.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PricingDetails",
"c2jShape" : "PricingDetailsList",
"deprecated" : false,
"documentation" : "The pricing details of the Reserved Instance offering.<p>
<br>@param pricingDetails The pricing details of the Reserved Instance offering.<br>@return Returns a reference to this object so that method calls can be chained together.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The pricing details of the Reserved Instance offering.<p>
<br>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterDocumentation" : "<p>The pricing details of the Reserved Instance offering.<p>
<br>@return The pricing details of the Reserved Instance offering.</p>*/",
"getterMethodName" : "getPricingDetails",
"getterModel" : {
  "returnType" : "java.util.List<PricingDetail>",
  "variableDeclarationType" : "List<java.util.List<PricingDetail>>",
  "variableName" : "pricingDetails",
  "variableType" : "List<java.util.List<PricingDetail>>",
  "documentation" : "The pricing details of the Reserved Instance offering.<p>
<br>@param pricingDetails The pricing details of the Reserved Instance offering.<br>@return The pricing details of the Reserved Instance offering.</p>*/",
  "simpleType" : "List<java.util.List<PricingDetail>>",
  "variableSetterType" : "List<java.util.List<PricingDetail>>"
}
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "PricingDetail",
  "variableName": "member",
  "variableType": "PricingDetail",
  "documentation": "",
  "simpleType": "PricingDetail",
  "variableSetterType": "PricingDetail"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "PricingDetail",
  "variableName": "member",
  "variableType": "PricingDetail",
  "documentation": "",
  "simpleType": "PricingDetail",
  "variableSetterType": "PricingDetail"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "PricingDetail",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "PricingDetail",
"templateImplType": "com.amazonaws.internal.SdkInternalList<PricingDetail>",
"templateType": "java.util.List<PricingDetail>"
**setterDocumentation** : "The pricing details of the Reserved Instance offering.\n@param pricingDetails The pricing details of the Reserved Instance offering.\n\*/",
**setterMethodName** : "setPricingDetails",
**setterModel** : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "",
  "simpleType" : "List<PricingDetail>",
  "variableSetterType" : "java.util.Collection<PricingDetail>"
},
"simple" : false,
"varargSetterDocumentation" : "The pricing details of the Reserved Instance offering.\n\b\NOTE:\b This method appends the values to the existing list (if any). Use \link \#setPricingDetails(java.util.Collection) or \link \#withPricingDetails(java.util.Collection) if you want to override the existing values.\n@param pricingDetails The pricing details of the Reserved Instance offering.\n@return Returns a reference to this object so that method calls can be chained together.\n\*/",
**variable** : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "The pricing details of the Reserved Instance offering."
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "If \code<convertible> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If \code<standard> it is not possible to perform an exchange.\n\returns Returns a reference to this object so that method calls can be chained together.\n\*/",
"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "The pricing details of the Reserved Instance offering.\n\b\NOTE:\b This method appends the values to the existing list (if any). Use \link \#setPricingDetails(java.util.Collection) or \link \#withPricingDetails(java.util.Collection) if you want to override the existing values.\n\b\return Returns a reference to this object so that method calls can be chained together.\n\*/",
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "If \code<convertible> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If \code<standard> it is not possible to perform an exchange.\n\b\return Returns a reference to this object so that method calls can be chained together.\n\*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {

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"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingClass",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringClass",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : '/**
 *<p>If &lt;code&gt;convertible&lt;/code&gt; it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If &lt;code&gt;standard&lt;/code&gt;, it is not possible to perform an exchange.&lt;/p&gt;&lt;p&gt;\@param offeringClass If &lt;code&gt;convertible&lt;/code&gt; it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If &lt;code&gt;standard&lt;/code&gt;, it is not possible to perform an exchange.&lt;/p&gt;\@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;&lt;code&gt;OfferingClassType*\*/
 */

 "setterMethodName" : "setOfferingClass",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "offeringClass",
 "variableType" : "String",
 "documentation" : "/",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : '/**
 *<p>If &lt;code&gt;convertible&lt;/code&gt; it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If &lt;code&gt;standard&lt;/code&gt;, it is not possible to perform an exchange.&lt;/p&gt;&lt;p&gt;\@param offeringClass If &lt;code&gt;convertible&lt;/code&gt; it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If &lt;code&gt;standard&lt;/code&gt;, it is not possible to perform an exchange.&lt;/p&gt;\@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;&lt;code&gt;OfferingClassType*\*/
 */

 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "offeringClass",
}
"variableType" : "String",
"documentation" : "<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Scope",
"c2jShape" : "scope",
"deprecated" : false,
"documentation" : "<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>",
"enumType" : "Scope",
"fluentSetterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>
@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.</p>
@see Scope*/",
"fluentSetterMethodName" : "withScope",
"getterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>
@return Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@see Scope*/",
"getterMethodName" : "getScope",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Scope",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "scope",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Scope",
"setterDocumentation" : "/**
 * Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
 */
@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@see Scope*/",
"setterMethodName" : "setScope",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
 */
@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
 */
simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
],
"membersAsMap" : {
  "AvailabilityZone" : {
    "c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The Availability Zone in which the Reserved Instance can be used.
 */",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
 * The Availability Zone in which the Reserved Instance can be used.
 */
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
 */",
    "fluentSetterMethodName" : "withAvailabilityZone",
    "getterDocumentation" : "/**
 * The Availability Zone in which the Reserved Instance can be used.
 */
@return The Availability Zone in which the Reserved Instance can be used.
 */",
    "getterMethodName" : "getAvailabilityZone",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"marshallLocationName" : "AvailabilityZone",
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallLocationName" : "AvailabilityZone",
"map" : false,
"mapModel" : null,

"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "serviceNameType" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "serviceNameType" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"CurrencyCode" : {
  "c2jName" : "CurrencyCode",
  "c2jShape" : "CurrencyCodeValues",
  "xmlNameSpaceUri" : null
}
The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is USD.

@see CurrencyCodeValues
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>
@param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Duration": {
  "c2jName": "Duration",
  "c2jShape": "Long",
  "deprecated": false,
  "documentation": "The duration of the Reserved Instance, in seconds.",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDuration",
  "getterDocumentation": "/**<p>The duration of the Reserved Instance, in seconds.</p>
@return The duration of the Reserved Instance, in seconds.
@see Duration*/",
  "getterMethodName": "getDuration",
  "getterModel": {
    "returnType": "Long",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
The duration of the Reserved Instance, in seconds.

Method calls can be chained together.

The purchase price of the Reserved Instance.
The purchase price of the Reserved Instance.

`@return` Returns a reference to this object so that method calls can be chained together.

```
"fluentSetterMethodName" : "withFixedPrice",
"getterDocumentation" : "**<p>The purchase price of the Reserved Instance.</p>\n@returns The purchase price of the Reserved Instance.**",
"getterMethodName" : "getFixedPrice",
"getterModel" : {
  "returnType" : "Float",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FixedPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "fixedPrice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FixedPrice",
"setterDocumentation" : "**<p>The purchase price of the Reserved Instance.</p>\n@returns The purchase price of the Reserved Instance.**",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Float",
  "variableName" : "fixedPrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"simple" : true,
"varargSetterDocumentation" : "**<p>The purchase price of the Reserved Instance.</p>\n@returns The purchase price of the Reserved Instance.**",
"variable" : {
  "variableDeclarationType" : "Float",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"}
"variableName" : "fixedPrice",
"variableType" : "Float",
"documentation" : "<p>The purchase price of the Reserved Instance.</p>",
"simpleType" : "Float",
"variableSetterType" : "Float"
},
"xmlNameSpaceUri" : null
},
"InstanceTenancy" : {
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/*<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/*<p>The tenancy of the instance.</p>
@return The tenancy of the instance.
@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceTenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/*<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/"
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceTenancy",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n\n**<param instanceTenancy The tenancy of the instance.\n\n**<param instanceTenancy The tenancy of the instance.\n\n**<return Returns a reference to this object so that method calls can be chained together.\n\n**<see 'Tenancy'/>*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceTenancy",
    "variableType" : "String",
    "documentation" : "The tenancy of the instance.\n\n**<param instanceTenancy The tenancy of the instance.\n\n**<return Returns a reference to this object so that method calls can be chained together.\n\n**<see 'Tenancy'/>*/",
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
    "c2jName" : "InstanceType",
    "c2jShape" : "InstanceType",
    "deprecated" : false,
    "documentation" : "The instance type on which the Reserved Instance can be used.\n\n**<param instanceType The instance type on which the Reserved Instance can be used.\n\n**<param instanceType The instance type on which the Reserved Instance can be used.\n\n**<return Returns a reference to this object so that method calls can be chained together.\n\n**<see 'InstanceType'/>*/",
    "fluentSetterMethodName" : "withInstanceType",
    "getterDocumentation" : "/*\n\n**<return The instance type on which the Reserved Instance can be used.\n\n**<param instanceType The instance type on which the Reserved Instance can be used.\n\n**<return Returns a reference to this object so that method calls can be chained together.\n\n**<see 'InstanceType'/>*/",
    "getterMethodName" : "getInstanceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Marketplace" : {
    "c2jName" : "Marketplace",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>, otherwise <code>false</code>.\n</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>, otherwise <code>false</code>.\n</p>"
},
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Marketplace" : {
    "c2jName" : "Marketplace",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>, otherwise <code>false</code>.\n</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>, otherwise <code>false</code>.\n</p>"
},
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is

```java
true
```

@Return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMarketplace",

"getterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved Instance
Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is
</p>\n@return Indicates whether the offering is available through the Reserved Instance
Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.*/

"getterMethodName" : "getMarketplace",

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Marketplace",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "marketplace",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Marketplace",

"setterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved Instance
Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is
</p>\n@param marketplace Indicates whether the offering is available through the Reserved Instance
Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.*/

"setterMethodName" : "setMarketplace",

"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

"simple" : true,
**Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is true.**

### varargSetterDocumentation

```java
/**
 * Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is true.
 *
 * @param marketplace Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is true.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

#### variable

```java
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is true."
},
```

### xmlNameSpaceUri

```java
null
```

### OfferingClass

```java
"OfferingClass" : {
  "c2jName" : "OfferingClass",
  "c2jShape" : "OfferingClassType",
  "deprecated" : false,
  "documentation" : "If convertible it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If standard, it is not possible to perform an exchange.
  
  @see OfferingClassType",
  "enumType" : "OfferingClassType",
  "fluentSetterDocumentation" : "If convertible it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If standard, it is not possible to perform an exchange.
  
  @see OfferingClassType",
  "fluentSetterMethodName" : "withOfferingClass",
  "getterDocumentation" : "If convertible it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If standard, it is not possible to perform an exchange.
  
  @see OfferingClassType",
  "getterMethodName" : "getOfferingClass",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
  }
},
```

---

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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingClass",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringClass",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : /**<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>*/
@param offeringClass If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.
@see OfferingClassType*/
,"setterMethodName" : "setOfferingClass",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringClass",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>*/
@param offeringClass If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/
,"variable" : {
"variableDeclarationType" : "String",
"variableName" : "offeringClass",
"variableType" : "String",
"documentation" : "<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingType" : {
"c2jName" : "OfferingType",
"c2jShape" : "OfferingTypeValues",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance offering type.</p>",
"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : "/*<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type. */
@see OfferingTypeValues*/",
"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "<p>The Reserved Instance offering type.</p>
@return The Reserved Instance offering type. */
@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/*<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type. */
@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},

---

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"simple" : true,
"varargSetterDocumentation" : "/**\n * The Reserved Instance offering type.
 * @param offeringType The Reserved Instance offering type.
 * @return Returns a reference to this object so that method calls can be chained
together.\n * @see OfferingTypeValues*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringType",
    "variableType" : "String",
    "documentation" : "<p>The Reserved Instance offering type.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"PricingDetails" : {
    "c2jName" : "PricingDetails",
    "c2jShape" : "PricingDetailsList",
    "deprecated" : false,
    "documentation" : "<p>The pricing details of the Reserved Instance offering.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * The pricing details of the Reserved Instance offering.
 * @param pricingDetails The pricing details of the Reserved Instance offering.
 * @return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withPricingDetails",
    "getterDocumentation" : "/**\n * The pricing details of the Reserved Instance offering.
 * @return The pricing details of the Reserved Instance offering.*/",
    "getterMethodName" : "getPricingDetails",
    "getterModel" : {
        "returnType" : "java.util.List<PricingDetail>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLLocationName" : "PricingDetailsSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLLocationName" : "pricingDetailsSet",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PricingDetail",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n        \n        \n        @param member \n        \n        @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n        \n        \n        @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PricingDetail",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n        \n        \n        @param member \n        \n        */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "PricingDetail",
      "variableName" : "member",
      "variableType" : "PricingDetail",
      "documentation" : "",
      "simpleType" : "PricingDetail",
      "variableSetterType" : "PricingDetail"
    }
  }
}
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "PricingDetail",
"variableName": "member",
"variableType": "PricingDetail",
"documentation": "",
"simpleType": "PricingDetail",
"variableSetterType": "PricingDetail"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "PricingDetail",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "PricingDetail",
"templateImplType": "com.amazonaws.internal.SdkInternalList<PricingDetail>",
"templateType": "java.util.List<PricingDetail>
},
"map": false,
"mapModel": null,
"name": "PricingDetails",
"setterDocumentation": "<p>The pricing details of the Reserved Instance offering.</p>
@param pricingDetails The pricing details of the Reserved Instance offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setPricingDetails",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PricingDetail>",
"variableName": "pricingDetails",
"variableType": "java.util.List<PricingDetail>",
"documentation": "",
"simpleType": "List<PricingDetail>",
"variableSetterType": "java.util.Collection<PricingDetail>"
},
"simple": false,
"varargSetterDocumentation": "<p>The pricing details of the Reserved Instance offering.</p>
@param pricingDetails The pricing details of the Reserved Instance offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PricingDetail>",
"variableName": "pricingDetails",
"variableType": "java.util.List<PricingDetail>",
"documentation": "",
"simpleType": "List<PricingDetail>",
"variableSetterType": "java.util.Collection<PricingDetail>"
"variableName" : "pricingDetails",
"variableType" : "java.util.List<PricingDetail>",
"documentation" : "<p>The pricing details of the Reserved Instance offering.</p>",
"simpleType" : "List<PricingDetail>",
"variableSetterType" : "java.util.Collection<PricingDetail>"
},
"xmlNameSpaceUri" : null
},
"ProductDescription" : {
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance product platform description.<p/>
@\param productDescription The Reserved Instance product platform description.<p/>
@\return Returns a reference to this object so that method calls can be chained together.<p/>
@see RIProductDescription*/",
"getterDocumentation" : "/**<p>The Reserved Instance product platform description.<p/>
@\return The Reserved Instance product platform description.<p/>
@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productDescription",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The Reserved Instance product platform description.<p/>
@\param productDescription The Reserved Instance product platform description.<p/>
@see RIProductDescription*/"
"setterMethodName" : "setProductDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>\n@param
productDescription The Reserved Instance product platform description.\n@return Returns a reference to this object
so that method calls can be chained together.\n@see RIProductDescription*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargesList",
"deprecated" : false,
"documentation" : "<p>The recurring charge tag assigned to the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>\n@param
recurringCharges The recurring charge tag assigned to the resource.\n@return Returns a reference to this object so
that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRecurringCharges",
"getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>\n@return The
recurring charge tag assigned to the resource.*/",
"getterMethodName" : "getRecurringCharges",
"getterModel" : {
"returnType" : "java.util.List<RecurringCharge>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,

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"location": null,
"marshallLocationName": "RecurringCharges",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "recurringCharges",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "RecurringCharge",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "RecurringCharge",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member"}
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "RecurringCharge",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>",
"map" : false,
"mapModel" : null,
"name" : "RecurringCharges",
"setterDocumentation" : "The recurring charge tag assigned to the resource.\n@param recurringCharges The recurring charge tag assigned to the resource. */",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
The recurring charge tag assigned to the resource. **NOTE:** This method appends the values to the existing list (if any). Use [@link #setRecurringCharges(java.util.Collection)] or [@link #withRecurringCharges(java.util.Collection)] if you want to override the existing values. 

@returns

Returns a reference to this object so that method calls can be chained together.

```java
@variable
{

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",

  "variableName" : "recurringCharges",

  "variableType" : "java.util.List<RecurringCharge>",

  "documentation" : "The recurring charge tag assigned to the resource.",

  "simpleType" : "List<RecurringCharge>",

  "variableSetterType" : "java.util.Collection<RecurringCharge>"
}
```

### ReservedInstancesOfferingId

**c2jName** : "ReservedInstancesOfferingId",

**c2jShape** : "String",

**deprecated** : false,

**documentation** : "The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

@returns

Returns a reference to this object so that method calls can be chained together.

```java
@fluentSetter
{

  "fluentSetterMethodName" : "withReservedInstancesOfferingId",

  "getterDocumentation" : "The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

@returns

The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

@returns

The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

@returns

The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

@returns

The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

@returns

The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

@returns

The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.

```
"marshallLocationName" : "ReservedInstancesOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingId",
"setterDocumentation" : "/*\n<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.*/",
"setterMethodName" : "setReservedInstancesOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesOfferingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesOfferingId",
  "variableType" : "String",
  "documentation" : "The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Scope" : {
  "c2jName" : "Scope",
  "c2jShape" : "scope",
  "deprecated" : false,
  "documentation" : "Whether the Reserved Instance is applied to instances in a region or an Availability Zone."
"enumType" : "Scope",
"fluentSetterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>*/
@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/",
"fluentSetterMethodName" : "withScope",
"getterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>*/
@return Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@see Scope*/",
"getterMethodName" : "getScope",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Scope",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "scope",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Scope",
"setterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>*/
@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/",
"setterMethodName" : "setScope",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "scope",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
/**
 * Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
 * @param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see Scope*/

{ "variable": { "variableDeclarationType": "String", "variableName": "scope", "variableType": "String", "documentation": "Whether the Reserved Instance is applied to instances in a region or an Availability Zone." }, "simpleType": "String", "variableSetterType": "String" },
"xmlNameSpaceUri": null },
"UsagePrice": { "c2jName": "UsagePrice", "c2jShape": "Float", "deprecated": false, "documentation": "The usage price of the Reserved Instance, per hour.

**
 * The usage price of the Reserved Instance, per hour.
 * @param usagePrice The usage price of the Reserved Instance, per hour.
 * @return Returns a reference to this object so that method calls can be chained together.

* */

"fluentSetterDocumentation": "\n * The usage price of the Reserved Instance, per hour.
 * @param usagePrice The usage price of the Reserved Instance, per hour.
 * @return Returns a reference to this object so that method calls can be chained together.

* */

"getterDocumentation": "\n * The usage price of the Reserved Instance, per hour.
 * @return The usage price of the Reserved Instance, per hour.

* */

"getterMethodName": "getUsagePrice",
"getterModel": { "returnType": "Float", "documentation": null },
"http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": false, "isStreaming": false, "location": null, "marshallLocationName": "UsagePrice", "queryString": false, "statusCode": false, "unmarshallLocationName": "usagePrice", "uri": false },
"idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UsagePrice",
"setterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.*/",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Float",
  "variableName" : "usagePrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesOffering",
  "variableName" : "reservedInstancesOffering",
  "variableType" : "ReservedInstancesOffering",
  "documentation" : null,
  "simpleType" : "ReservedInstancesOffering",
  "variableSetterType" : "ReservedInstancesOffering"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ReservedInstancesOffering",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "reservedInstancesOffering",
  "variableType" : "ReservedInstancesOffering",
  "documentation" : null,
  "simpleType" : "ReservedInstancesOffering",
  "variableSetterType" : "ReservedInstancesOffering"
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"wrapper" : false
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  "c2jName" : "ResetImageAttributeName",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "LaunchPermission",
    "value" : "launchPermission"
  } ]
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"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResetImageAttributeName",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "ResetImageAttributeName",
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  "variableType" : "ResetImageAttributeName",
  "documentation" : null,
  "simpleType" : "ResetImageAttributeName",
  "variableSetterType" : "ResetImageAttributeName"
},
"wrapper" : false
},
"ResetImageAttributeRequest" : {
  "c2jName" : "ResetImageAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "LaunchPermission",
    "value" : "launchPermission"
  } ]
},
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResetImageAttributeRequest",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ResetImageAttributeRequest",
  "variableName" : "resetImageAttributeRequest",
  "variableType" : "ResetImageAttributeRequest",
  "documentation" : null,
  "simpleType" : "ResetImageAttributeRequest",
  "variableSetterType" : "ResetImageAttributeRequest"
},
"wrapper" : false
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ResetImageAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "ResetImageAttribute",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
"members" : [ {
 "c2jName" : "ImageId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the AMI.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withImageId",
 "getterDocumentation" : "/**<p>The ID of the AMI.</p>
@return The ID of the AMI.*/",
 "getterMethodName" : "getImageId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "http" : {
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ImageId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ImageId",
 "uri" : false
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 "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Attribute",
"c2jShape" : "ResetImageAttributeName",
"deprecated" : false,
"documentation" : "<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>",
"enumType" : "ResetImageAttributeName",
"fluentSetterDocumentation" : "/**<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>
@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@return Returns a reference to this object so that method calls can be chained together.
@see ResetImageAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>
@return The attribute to reset (currently you can only reset the launch permission attribute).
@see ResetImageAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The attribute to reset (currently you can only reset the launch permission attribute).
@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@see ResetImageAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The attribute to reset (currently you can only reset the launch permission attribute).
@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@return Returns a reference to this object so that method calls can be chained together.
@see ResetImageAttributeName*/",
"variable" : {
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The attribute to reset (currently you can only reset the launch permission attribute).
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}.

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"membersAsMap" : {
    "Attribute" : {
        "c2jName" : "Attribute",
        "c2jShape" : "ResetImageAttributeName",
        "deprecated" : false,
        "documentation" : "The attribute to reset (currently you can only reset the launch permission attribute).",
        "enumType" : "ResetImageAttributeName",
        "fluentSetterDocumentation" : "The attribute to reset (currently you can only reset the launch permission attribute).",
        "getterDocumentation" : "The attribute to reset (currently you can only reset the launch permission attribute).",
        "getterMethodName" : "getAttribute",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Attribute",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "Attribute",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Attribute",
        "setterDocumentation" : "The attribute to reset (currently you can only reset the launch permission attribute).",
        "setterMethodName" : "setAttribute",
        "setterModel" : {
            "variableDeclarationType" : "String",
            "documentation" : null
        }
    }
}
"variableName": "attribute",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\<p>The attribute to reset (currently you can only reset the launch permission attribute).\</p>@param attribute The attribute to reset (currently you can only reset the launch permission attribute).\</param>\@return Returns a reference to this object so that method calls can be chained together.\</param>\@see ResetImageAttributeName*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "attribute",
"variableType": "String",
"documentation": "\<p>The attribute to reset (currently you can only reset the launch permission attribute).\</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"ImageId": {
"c2jName": "ImageId",
"c2jShape": "String",
"deprecated": false,
"documentation": "\<p>The ID of the AMI.\</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\<p>The ID of the AMI.\</p>@param imageId The ID of the AMI.\</param>\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withImageId",
"getterDocumentation": "/**\<p>The ID of the AMI.\</p>@return The ID of the AMI.*/",
"getterMethodName": "getImageId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"ResetImageAttributeResult" : {
  "c2jName" : "ResetImageAttributeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ResetImageAttributeResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "ResetImageAttributeResult",
    "variableName" : "resetImageAttributeResult",
    "variableType" : "ResetImageAttributeResult",
    "documentation" : null,
    "simpleType" : "ResetImageAttributeResult",
    "variableSetterType" : "ResetImageAttributeResult"
  },
  "wrapper" : false
},
"ResetInstanceAttributeRequest" : {
  "c2jName" : "ResetInstanceAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ResetInstanceAttribute.</p>"
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"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "ResetInstanceAttribute",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
 @param instanceId The ID of the instance.
 @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
 @return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
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"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n* The ID of the instance.
* @param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : ",",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n* The ID of the instance.
* @param instanceId The ID of the instance.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a></code></p>.
  "return" : "Returns a reference to this object so that method calls can be chained together."
},
"c2jName" : "Attribute",
"c2jShape" : "InstanceAttributeName",
"deprecated" : false,
"documentation" : "<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a></code></p>.
  "return" : "Returns a reference to this object so that method calls can be chained together."
},
"enumType" : "InstanceAttributeName",
"fluentSetterDocumentation" : "/*\n* The attribute to reset.
* @param attribute The attribute to reset.
* @return Returns a reference to this object so that method calls can be chained together."
},
"getterDocumentation" : "/*\n* The attribute to reset.
* @return The attribute to reset.
* @see InstanceAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attribute",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/** The attribute to reset. */
@see InstanceAttributeName*/
<p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>. To change an instance attribute, use */
@param attribute The attribute to reset.
@see InstanceAttributeName*/
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName */

setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "]",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** The attribute to reset. */
@see InstanceAttributeName*/
<p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>. To change an instance attribute, use */
@param attribute The attribute to reset.
@see InstanceAttributeName*/
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName */

variable" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Attribute" : {
"c2jName" : "Attribute",
"c2jShape" : "InstanceAttributeName",
"deprecated" : false,
"documentation" : "<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>",
"enumType" : "InstanceAttributeName",
"fluentSetterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
@param attribute The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.<a>@see InstanceAttributeName</a>*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
@return The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p>
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"getterMethodName" : "getAttribute",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
@param attribute The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
@param attribute The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
"xmlNameSpaceUri" : null
},
"InstanceId" : {
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
@param attribute The attribute to reset.
@see InstanceAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
@param attribute The attribute to reset.
@see InstanceAttributeName*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>
"xmlNameSpaceUri" : null
},
"InstanceId" : {
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId", "Attribute" ],
"shapeName" : "ResetInstanceAttributeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ResetInstanceAttributeRequest",
  "variableName" : "resetInstanceAttributeRequest",
  "variableType" : "ResetInstanceAttributeRequest",
  "documentation" : null,
  "simpleType" : "ResetInstanceAttributeRequest",
  "variableSetterType" : "ResetInstanceAttributeRequest"
},
"wrapper" : false
},
"ResetInstanceAttributeResult" : {
  "c2jName" : "ResetInstanceAttributeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
"shapeName": "ResetInstanceAttributeResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ResetInstanceAttributeResult",
  "variableName": "resetInstanceAttributeResult",
  "variableType": "ResetInstanceAttributeResult",
  "documentation": null,
  "simpleType": "ResetInstanceAttributeResult",
  "variableSetterType": "ResetInstanceAttributeResult"
},
"wrapper": false
},
"ResetNetworkInterfaceAttributeRequest": {
  "c2jName": "ResetNetworkInterfaceAttributeRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ResetNetworkInterfaceAttribute.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "ResetNetworkInterfaceAttribute",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    "c2jName": "NetworkInterfaceId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the network interface.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the network interface.</p>
@returns Reference to this object so that method calls can be chained together.*/",}
"fluentsetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "<p>The ID of the network interface.</p>
@returns The ID of the network interface.",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargsetterDocumentation" : "<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@returns Returns a reference to this object so that method calls can be chained together.",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String"
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceDestCheck",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The source/destination checking attribute. Resets the value to
<code>true</code>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The source/destination checking attribute. Resets the value to
<code>true</code>.</p>
@param sourceDestCheck The source/destination checking attribute. Resets the value to
<code>true</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "/**<p>The source/destination checking attribute. Resets the value to
<code>true</code>.</p>
@return The source/destination checking attribute. Resets the value to
<code>true</code>.*/",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>The source/destination checking attribute. Resets the value to
<code>true</code>.</p>
@param sourceDestCheck The source/destination checking attribute. Resets the value to
<code>true</code>
@return Returns a reference to this object so that method calls can be chained together.*/"
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceDestCheck",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String" },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The source/destination checking attribute. Resets the value to <code>true</code>.</p>
@<param>sourceDestCheck The source/destination checking attribute. Resets the value to <code>true</code></param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceDestCheck",
  "variableType" : "String",
  "documentation" : "<p>The source/destination checking attribute. Resets the value to <code>true</code>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String" },
" xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "NetworkInterfaceId" : {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@<param>networkInterfaceId The ID of the network interface.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "/**<p>The ID of the network interface.</p>
@<return>The ID of the network interface.</return>*/",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"SourceDestCheck" : {
"c2jName" : "SourceDestCheck",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The source/destination checking attribute. Resets the value to <code>true</code>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The source/destination checking attribute. Resets the value to"
<code>true</code>.<p>
@returns Returns a reference to this object so that method calls can be chained together.</returns>

"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "The source/destination checking attribute. Resets the value to
<code>true</code>.

@param sourceDestCheck The source/destination checking attribute. Resets the value to
<code>true</code>.
</returns>

"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceDestCheck",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceDestCheck",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "The source/destination checking attribute. Resets the value to
<code>true</code>.

@param sourceDestCheck The source/destination checking attribute. Resets the value to
<code>true</code>.
</returns>

"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceDestCheck",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The source/destination checking attribute. Resets the value to
<code>true</code>.

@param sourceDestCheck The source/destination checking attribute. Resets the value to
<code>true</code>.
</returns>
"variable": {
    "variableDeclarationType": "String",
    "variableName": "sourceDestCheck",
    "variableType": "String",
    "documentation": "The source/destination checking attribute. Resets the value to true, <code>true</code>.",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "NetworkInterfaceId" ],
"shapeName": "ResetNetworkInterfaceAttributeRequest",
"unmarshaller": null,
"variable": {
    "variableDeclarationType": "ResetNetworkInterfaceAttributeRequest",
    "variableName": "resetNetworkInterfaceAttributeRequest",
    "variableType": "ResetNetworkInterfaceAttributeRequest",
    "documentation": null,
    "simpleType": "ResetNetworkInterfaceAttributeRequest",
    "variableSetterType": "ResetNetworkInterfaceAttributeRequest"
},
"wrapper": false
},
"ResetNetworkInterfaceAttributeResult": {
    "c2jName": "ResetNetworkInterfaceAttributeResult",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": null,
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
    "hasStreamingMember": false,
    "marshaller": null,
    "members": null,
    "membersAsMap": { },
    "requestSignerAware": false,
    "requestSignerClassFqcn": null,
"required" : null,
"shapeName" : "ResetNetworkInterfaceAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ResetNetworkInterfaceAttributeResult",
  "variableName" : "resetNetworkInterfaceAttributeResult",
  "variableType" : "ResetNetworkInterfaceAttributeResult",
  "documentation" : null,
  "simpleType" : "ResetNetworkInterfaceAttributeResult",
  "variableSetterType" : "ResetNetworkInterfaceAttributeResult"
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"wrapper" : false
},
"ResetSnapshotAttributeRequest" : {
  "c2jName" : "ResetSnapshotAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ResetSnapshotAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ResetSnapshotAttribute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : {
    "c2jName" : "SnapshotId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the snapshot.</p><p>@param snapshotId The ID of the snapshot.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the snapshot.</p>@return The ID of the snapshot.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SnapshotId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/return
@returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "/**",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.
@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "/<p>The ID of the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null,
},
  "c2jName" : "Attribute",
  "c2jShape" : "SnapshotAttributeName",
  "deprecated" : false,
  "documentation" : "<p>The attribute to reset. Currently, only the attribute for permission to create volumes can 
be reset.</p>",
  "enumType" : "SnapshotAttributeName",
  "fluentSetterDocumentation" : "/**<p>The attribute to reset. Currently, only the attribute for permission to 
create volumes can be reset.</p>@param attribute The attribute to reset. Currently, only the attribute for 
permission to create volumes can be reset.
@return Returns a reference to this object so that method calls can be 
chained together.
@see SnapshotAttributeName*/",
  "fluentSetterMethodName" : "withAttribute",
  "getterDocumentation" : "/**<p>The attribute to reset. Currently, only the attribute for permission to create 
volumes can be reset.</p>
@return The attribute to reset. Currently, only the attribute for permission to create 
volumes can be reset.
@see SnapshotAttributeName*/",
  "getterMethodName" : "getAttribute",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Attribute",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Attribute",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Attribute",
  "setterDocumentation" : "/**<p>The attribute to reset. Currently, only the attribute for permission to create 
volumes can be reset.</p>@param attribute The attribute to reset. Currently, only the attribute for permission to 
create volumes can be reset.
@return Returns a reference to this object so that method calls can be 
chained together.
@see SnapshotAttributeName*/",
  "setterMethodName" : "setAttribute",
  "setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "",
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@param attribute The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotAttributeName*/",
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@param attribute The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.
@return Returns a reference to this object so that method calls can be chained together.
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"c2jShape": "String",
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"documentation": "<p>The Elastic IP address.</p>",
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@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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@return The Elastic IP address.*\*/",
"getterMethodName": "getPublicIp",
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"enumType" : "Status",
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\ntogether.\n*\n\n@see Status*/",
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"documentation": null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "String",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The Elastic IP address.*/",
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@param status The move status for the IP address.
@return Returns a reference to this object so that method calls can be chained together.
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  "hasStreamingMember" : false,
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    "enumType" : null,
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 "isStreaming" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupName",
"getterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@return The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
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"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "sourceSecurityGroupName",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.@return Returns a reference to this object so that method calls can be chained together.*/",
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"varargSetterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceSecurityGroupOwnerId",
"uri" : false,
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"list" : false,
"listModel" : null,
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"setterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p><p>@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>*/",
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  "variableSetterType" : "String"
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"c2jShape" : "String",
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''",
"enumType" : null,
"fluenterSetterDocumentation" : "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
''
@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
@param isPayload A reference to this object so that method calls can be chained together.
''
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"getterDocumentation" : "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
''
@return The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
''
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
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''
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@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null,
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"c2jShape" : "Integer",
"deprecated" : false,
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@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
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@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
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"returnType" : "Integer",
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
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"returnType" : "Integer",
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"http" : {
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"header" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "toPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "Integer"
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\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "Integer",
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>
\n@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**\* The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.\*/
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  "documentation" : "",
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  "variableSetterType" : "String"
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@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
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"c2jShape" : "IpPermissionList",
"deprecated" : false,
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"enumType" : null,
"fluentSetterDocumentation" : "/**\* A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.\*/

and a CIDR IP address range. */

/**
@param ipPermissions A set of IP permissions. You can't specify a destination
security group and a CIDR IP address range. */

@return Returns a reference to this object so that method calls can be
chained together. */


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  "documentation" : "",
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  "variableSetterType" : "IpPermission"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"templateType" : "java.util.List<IpPermission>",

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"name" : "IpPermissions",
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CIDR IP address range.</p>
@param ipPermissions A set of IP permissions. You can't specify a destination
security group and a CIDR IP address range.

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"variableType" : "java.util.List<IpPermission>",
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"variableSetterType" : "java.util.Collection<IpPermission>",
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"simple" : false,
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and a CIDR IP address range.</p>

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"documentation" : "",
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"variableSetterType" : "java.util.Collection<IpPermission>",
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"c2jShape" : "String",
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"documentation" : "The CIDR IP address range. We recommend that you specify the CIDR range in a set
of IP permissions instead.

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"fluentSetterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>@<br/>@return The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.*/",
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrIp",
  "uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.<br/>@<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the
CIDR range in a set of IP permissions instead.<p>@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.<p>@return Returns a reference to this object so that method calls can be chained together. */
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FromPort" : {
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  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withFromPort",
  "getterDocumentation" : "/*<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>@return The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
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    "documentation" : null
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    "location" : null,
    "marshallLocationName" : "FromPort",
    "queryString" : false,
    "statusCode" : false,
    "uriElement" : null,
    "usePrefixForOperationName" : false,
    "valueType" : "Integer"
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"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>*/
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "Integer"
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@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "Integer"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>*/
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>*/
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "String",
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the security group.*/",
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   "documentation" : null
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   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "GroupId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "groupId",
   "uri" : false
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"listModel" : null,
"map" : false,
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"name" : "GroupId",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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   "variableSetterType" : "String"
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"simple" : true,
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@n @return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
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"setterModel" : {
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  "variableType" : "IpPermission",
  "documentation" : "",
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  "variableSetterType" : "IpPermission"
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"simple" : false,
"varargSetterDocumentation" : "/**@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "IpPermission"
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"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
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"memberType" : "IpPermission",
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"sendEmptyQueryString" : false,
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"simpleType" : "IpPermission",
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"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a
CIDR IP address range.</p>*/
@param ipPermissions A set of IP permissions. You can't specify a destination
security group and a CIDR IP address range.*/

setterMethodName" : "setIpPermissions",
"setterModel" : {
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  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group
and a CIDR IP address range.</p>*/
@param ipPermissions A set of IP permissions. You can't specify a destination
security group and a CIDR IP address range.*/

return Returns a reference to this object so that method
calls can be chained together.*/

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  "documentation" : "<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP
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  "variableSetterType" : "java.util.Collection<IpPermission>"
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>*/
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    @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>*/
    @return The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.*/",
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ipProtocol",
        "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "IpProtocol",
    "setterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>*/
    @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.*/",
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"variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/** <p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>*/
@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jName" : "SourceSecurityGroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/** <p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>*/
@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupName",
"getterDocumentation" : "/** <p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>*/
@return The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceSecurityGroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a
destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination
security group, we recommend that you use a set of IP permissions instead.*/*/",
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"variableName" : "sourceSecurityGroupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access
to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination
security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/*",
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security group, we recommend that you use a set of IP permissions instead.</p>",
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jName" : "SourceSecurityGroupOwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@returns sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
  "fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
  "getterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
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    "greedy" : false,
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    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceSecurityGroupOwnerId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceSecurityGroupOwnerId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SourceSecurityGroupOwnerId",
  "setterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@returns sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/""}
instead. */
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                    "variableName" : "sourceSecurityGroupOwnerId",
                    "variableType" : "String",
                    "documentation" : "",
                    "simpleType" : "String",
                    "variableSetterType" : "String"
                },
                "simple" : true,
                "varargSetterDocumentation" : "/**\n\nThe AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n\n@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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                "xmlNameSpaceUri" : null
            },
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                "c2jShape" : "Integer",
                "deprecated" : false,
                "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
                "enumType" : null,
                "fluentSetterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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                "getterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n@return The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
                "getterMethodName" : "getToPort",
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                    "documentation" : null
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        }
    }
}
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "ToPort",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "toPort",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
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    "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
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"variableSetterType" : "Integer",
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"unmarshaller" : null,
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  "variableName" : "revokeSecurityGroupEgressRequest",
  "variableType" : "RevokeSecurityGroupEgressRequest",
  "documentation" : null,
  "simpleType" : "RevokeSecurityGroupEgressRequest",
  "variableSetterType" : "RevokeSecurityGroupEgressRequest"
},
"wrapper" : false
],
"RevokeSecurityGroupEgressResult" : {
  "c2jName" : "RevokeSecurityGroupEgressResult",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
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  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
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  "hasStreamingMember" : false,
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  "required" : null,
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  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {


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"variableName" : "revokeSecurityGroupEgressResult",
"variableType" : "RevokeSecurityGroupEgressResult",
"documentation" : null,
"simpleType" : "RevokeSecurityGroupEgressResult",
"variableSetterType" : "RevokeSecurityGroupEgressResult"
},
"wrapper" : false
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"RevokeSecurityGroupIngressRequest" : {
"c2jName" : "RevokeSecurityGroupIngressRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
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 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for RevokeSecurityGroupIngress.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : {
 "action" : "RevokeSecurityGroupIngress",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
 "members" : [
 "c2jName" : "GroupName",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withGroupName",
 "getterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>\n@return The name of the security group.*/",
 "getterMethodName" : "getGroupName",
 "getterModel" : {
 "returnType" : "String",
}
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group. Required for a security group in a nondefault VPC.\</p>\n@\param groupId The ID of the security group. Required for a security group in a nondefault VPC.\n@return Returns a reference to this object so that method calls can be chained together.\n/\n\"getterMethodName\" : "getGroupId",
\"getterModel\" : {
  \"returnType\" : "String",
  \"documentation\" : null
},
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  \"additionalUnmarshallingPath\" : null,
  \"flattened\" : false,
  \"greedy\" : false,
  \"header\" : false,
  \"isPayload\" : false,
  \"isStreaming\" : false,
  \"marshallLocationName\" : "GroupId",
  \"queryString\" : false,
  \"statusCode\" : false,
  \"unmarshallLocationName\" : "GroupId",
  \"uri\" : false
},
\"idempotencyToken\" : false,
\"list\" : false,
\"listModel\" : null,
\"map\" : false,
\"mapModel\" : null,
\"name\" : "GroupId",
\"setterDocumentation\" : "\"setterMethodName\" : "setGroupId",
\"setterModel\" : {
  \"variableDeclarationType\" : "String",
  \"variableName\" : "groupId",
  \"variableType\" : "String",
  \"documentation\" : "",
  \"simpleType\" : "String",
  \"variableSetterType\" : "String"}
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the security group. Required for a security group in a nondefault VPC.\n@\param groupId\nThe ID of the security group. Required for a security group in a nondefault VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/*","variable": {
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 "variableName": "groupId",
 "variableType": "String",
 "documentation": "<p>The ID of the security group. Required for a security group in a nondefault VPC.\n</p>",
 "simpleType": "String",
 "variableSetterType": "String"
 },
 "xmlNameSpaceUri": null
},
{"c2jName": "SourceSecurityGroupName",
 "c2jShape": "String",
 "deprecated": false,
 "documentation": "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>",
 "enumType": null,
 "fluentSetterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.<\p>\n@\param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/*","fluentSetterMethodName": "withSourceSecurityGroupName",
 "getterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>\n@\return [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/*",
 "getterMethodName": "getSourceSecurityGroupName",
 "getterModel": {
 "returnType": "String",
 "documentation": null
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"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SourceSecurityGroupName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SourceSecurityGroupName",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceSecurityGroupName",
"setterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>
@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/",
"setterMethodName": "setSourceSecurityGroupName",
"setterModel": {
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  "variableName": "sourceSecurityGroupName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>
@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType": "String",
  "variableName": "sourceSecurityGroupName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"}
"variableType" : "String",
"documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify
this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range,
the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceSecurityGroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-Classic] The AWS account ID of the source security group, if the source security
group is in a different account. You can't specify this parameter in combination with the following parameters: the
CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a
specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-Classic] The AWS account ID of the source security group, if the
source security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>
@param sourceSecurityGroupId [EC2-Classic] The AWS account ID of the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupId",
"getterDocumentation" : "/**<p>[EC2-Classic] The AWS account ID of the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
@return [EC2-
Classic] The AWS account ID of the source security group, if the source security group is in a different account.
You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP
protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and
port range, use a set of IP permissions instead.*/",
"getterMethodName" : "getSourceSecurityGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceSecurityGroupOwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceSecurityGroupOwnerId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**
<p>
[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
</p>
@param
@n
@SourceSecurityGroupOwnerId

[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSourceSecurityGroupOwnerId",
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  "variableName" : "SourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : 
  "\",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>
[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
</p>
@n
@SourceSecurityGroupOwnerId

[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "SourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : 
  "\",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>
[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
</p>
@n
@SourceSecurityGroupOwnerId

[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return
Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
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  "variableName" : "SourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : 
  "\",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>
[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
</p>
@n
@SourceSecurityGroupOwnerId

[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return
Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "SourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : 
  "\",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>
[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
</p>
@n
@SourceSecurityGroupOwnerId

[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return
Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "SourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : 
  "\",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>
[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
</p>
@n
@SourceSecurityGroupOwnerId

[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a
specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IpProtocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;). Use &lt;code&gt;-1&lt;/code&gt; to specify all.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;). Use &lt;code&gt;-1&lt;/code&gt; to specify all.&lt;/p&gt;\n@param ipProtocol The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;). Use &lt;code&gt;-1&lt;/code&gt; to specify all.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*&lt;/p&gt;",
"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "/**&lt;p&gt;The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;). Use &lt;code&gt;-1&lt;/code&gt; to specify all.&lt;/p&gt;\n@return The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;). Use &lt;code&gt;-1&lt;/code&gt; to specify all.*&lt;/p&gt;",
"getterMethodName" : "getIpProtocol",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IpProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, 
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : ":",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, 
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : ":p\nThe IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FromPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.*/
"fromPort": "Integer",
"deprecated" : false,
"documentation" : ":p\nThe start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n"
"enumType" : null,
start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use "-1" to specify all ICMP types.

```java
@return Returns a reference to this object so that method calls can be chained together.*"",

"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use "-1" to specify all ICMP types.</p>*/
@return The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use "-1" to specify all ICMP types.*/",
"getterMethodName" : "getFromPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FromPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FromPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use "-1" to specify all ICMP types.</p>*/
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use "-1" to specify all ICMP types.*/",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "fromPort",
   "variableType" : "Integer",
   "documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.

"getterMethodName" : "getToPort",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ToPort",
   "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ToPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "CidrIp",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.
@return Returns a reference to this object so that method calls can be chained together.*/"
parameter when specifying a source security group.

```java
@return Returns a reference to this object so that method calls can be chained together.*
    "fluentSetterMethodName" : "withCidrIp",
    "getterDocumentation" : "/**<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>*\n    @return The CIDR IP address range. You can't specify this parameter when specifying a source security group.*\n    "getterMethodName" : "getCidrIp",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "CidrIp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "CidrIp",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "CidrIp",
    "setterDocumentation" : "/**<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>*\n    @param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.*\n    "setterMethodName" : "setCidrIp",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "cidrIp",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>*\n    @param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.*\n    @return Returns a reference to this object so that method calls
can be chained together.*/*

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrIp",
    "variableType" : "String",
    "documentation" : "&lt;p&gt;The CIDR IP address range. You can't specify this parameter when specifying a source security group.&lt;/p&gt;",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IpPermissions",
"c2jShape" : "IpPermissionList",
"deprecated" : false,
"documentation" : "&lt;p&gt;A set of IP permissions. You can't specify a source security group and a CIDR IP address range.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;A set of IP permissions. You can't specify a source security group and a CIDR IP address range.&lt;/p&gt;\n@param ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "/*&lt;p&gt;A set of IP permissions. You can't specify a source security group and a CIDR IP address range.&lt;/p&gt;\n@return A set of IP permissions. You can't specify a source security group and a CIDR IP address range.*/",
"getterMethodName" : "getIpPermissions",
"getterModel" : {
    "returnType" : "java.util.List&lt;IpPermission&gt;",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IpPermissions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "IpPermissions",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IpPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * @param member
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "IpPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member
     */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "IpPermission",
      "variableName" : "member",
      "variableType" : "IpPermission",
      "documentation" : "",
      "simpleType" : "IpPermission",
      "variableSetterType" : "IpPermission"}
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "IpPermission",
  "variableName": "member",
  "variableType": "IpPermission",
  "documentation": "",
  "simpleType": "IpPermission",
  "variableSetterType": "IpPermission"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "IpPermission",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "IpPermission",
"templateImplType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType": "java.util.List<IpPermission>"
},
"map": false,
"mapModel": null,
"name": "IpPermissions",
"setterDocumentation": "/**<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>\n@param ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.*/",
"setterMethodName": "setIpPermissions",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName": "ipPermissions",
  "variableType": "java.util.List<IpPermission>",
  "documentation": "",
  "simpleType": "List<IpPermission>",
  "variableSetterType": "java.util.Collection<IpPermission>"
},
"simple": false,
"varargSetterDocumentation": "/*@param ipPermissions \n@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "A set of IP permissions. You can’t specify a source security group and a CIDR IP address range.",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>
},
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "CidrIp" : {
    "c2jName" : "CidrIp",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The CIDR IP address range. You can’t specify this parameter when specifying a source security group.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The CIDR IP address range. You can’t specify this parameter when specifying a source security group.</p>
@fluentSetter
@return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "withCidrIp",
    "getterDocumentation" : "/**<p>The CIDR IP address range. You can’t specify this parameter when specifying a source security group.</p>
@getter
@return The CIDR IP address range. You can’t specify this parameter when specifying a source security group."",
    "getterMethodName" : "getCidrIp",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "CidrIp",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "CidrIp",
      "uri" : false
    },
    "idempotencyToken" : false,
  }
}
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrIp",
"setterDocumentation": "/*\*\*<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>\n@\param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.*/",
"setterMethodName": "setCidrIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "cidrIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*\*\*<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>\n@\param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "cidrIp",
  "variableType": "String",
  "documentation": "<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"FromPort": {
  "c2jName": "FromPort",
  "c2jShape": "Integer",
  "fluentSetterDocumentation": "/*\*\*<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use &lt;code&gt;-1&lt;/code&gt; to specify all ICMP types.&lt;/p&gt;*/",
  "fluentSetterMethodName": "withFromPort",
  "getterDocumentation": "/*\*\*<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use &lt;code&gt;-1&lt;/code&gt; to specify all ICMP types.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType": null,
  "fluentSetterDocumentation": "/*\*\*<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use &lt;code&gt;-1&lt;/code&gt; to specify all ICMP types.&lt;/p&gt;\n@\param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use &lt;code&gt;-1&lt;/code&gt; to specify all ICMP types.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withFromPort",
  "getterDocumentation": "/*\*\*<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use &lt;code&gt;-1&lt;/code&gt; to specify all ICMP types.&lt;/p&gt;\n@return The start of

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port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types."/

getterMethodName" : "getFromPort",
getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FromPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFromPort",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \<code>-1</code> to specify all ICMP types.\</p",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the security group. Required for a security group in a nondefault VPC.\</p",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the security group. Required for a security group in a nondefault VPC.\</p>\<param name="groupId" \>
@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "The ID of the security group. Required for a security group in a nondefault VPC.\</p>\<param name="groupId" \>
@return The ID of the security group. Required for a security group in a nondefault VPC.\*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>*/
@param groupId The ID of the security group. Required for a security group in a nondefault VPC.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "groupId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>*/
@param groupId The ID of the security group. Required for a security group in a nondefault VPC.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "groupId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
"xmlNameSpaceUri" : null
",
"GroupName" : {
        "c2jName" : "GroupName",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>
        "fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
        @param groupName [EC2-Classic, default VPC] The name of the security group.
        @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withGroupName",
        "getterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
        @return [EC2-Classic, default VPC] The name of the security group.*/",
        "getterMethodName" : "getGroupName",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : '/**
[EC2-Classic, default VPC] The name of the security group.
@param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : '/**
[EC2-Classic, default VPC] The name of the security group.
@param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpPermissions" : {
  "c2jName" : "IpPermissions",
  "c2jShape" : "IpPermissionList",
  "deprecated" : false,
  "documentation" : "<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>",
  "enumType" : null,
"fluentSetterDocumentation" : "/**\n@param ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "/**\n@A set of IP permissions. You can’t specify a source security group and a CIDR IP address range.\n@return A set of IP permissions. You can’t specify a source security group and a CIDR IP address range.*/",
"getterMethodName" : "getIpPermissions",
"getterModel" : {
"returnType" : "java.util.List<IpPermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpPermissions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IpPermissions",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "IpPermission",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "IpPermission",
"documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "IpPermission",
  "variableName": "member",
  "variableType": "IpPermission",
  "documentation": "",
  "simpleType": "IpPermission",
  "variableSetterType": "IpPermission"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "IpPermission",
  "variableName": "member",
  "variableType": "IpPermission",
  "documentation": "",
  "simpleType": "IpPermission",
  "variableSetterType": "IpPermission"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "IpPermission",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**
 * A set of IP permissions. You can't specify a source security group and a
 * CIDR IP address range.
 */
@javadoc
* @param ipPermissions A set of IP permissions. You can't specify a source security
 * group and a CIDR IP address range.
 */

setterMethodName" : "setIpPermissions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * A set of IP permissions. You can't specify a source security group and a
 * CIDR IP address range. This method appends the values to the existing list (if any). Use
 * { @link #setIpPermissions(java.util.Collection)} or { @link #withIpPermissions(java.util.Collection)} if you want to
 * override the existing values.
 */

@javadoc
* @param ipPermissions A set of IP permissions. You can’t specify a source
 * security group and a CIDR IP address range. Returns a reference to this object so that method calls can be
 * chained together.
 */

variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "A set of IP permissions. You can't specify a source security group and a CIDR IP
 * address range.
 */
},
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
},
"xmlNameSpaceUri" : null
},
"IpProtocol" : {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IP protocol name (\code{tcp}, \code{udp}, \code{icmp})
number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol
Numbers</a>). Use \code{-1} to specify all."
},

"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>\n@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "/*<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>
@return The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all. */",
"getterMethodName" : "getIpProtocol",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IpProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/*<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.*/",
"setterMethodName" : "setIpProtocol"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use -1 to specify all.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use -1 to specify all.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use -1 to specify all.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"SourceSecurityGroupName" : {
  "c2jName" : "SourceSecurityGroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>
@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSourceSecurityGroupName",
  "getterDocumentation" : "/*<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return Returns a reference to this object so that method calls can be chained together.*/"}
specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>

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getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSecurityGroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceSecurityGroupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/*[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead."*/",
"setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
```
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/*<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupName",
  "variableType" : "String",
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>
  @param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"SourceSecurityGroupOwnerId" : {
  "c2jName" : "SourceSecurityGroupOwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>
  @param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluuentSetterDocumentation" : "/*<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>*/",
"fluuentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "/*<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>*/
"@return [EC2-
The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/

```
getterMethodName": "getSourceSecurityGroupOwnerId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SourceSecurityGroupOwnerId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SourceSecurityGroupOwnerId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceSecurityGroupOwnerId",
"setterDocumentation": "**<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>\n@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/",
"setterMethodName": "setSourceSecurityGroupOwnerId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "sourceSecurityGroupOwnerId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
```
"varargSetterDocumentation" : "/**
 * The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/

/*"*/,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : "The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead."
},
"ToPort" : {
    "c2jName" : "ToPort",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.*/

/*"*/,
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.*/

/*"*/,
"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "/**
 * The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.*/

/*"*/,
"getterMethodName" : "getToPort",
"returnType" : "Integer",
"documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ToPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ToPort",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**
 * The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.
 */
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.
@return Returns a reference to this object so that method calls can be chained together.
*/

"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.
 */
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.
  
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}.
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RevokeSecurityGroupIngressRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "RevokeSecurityGroupIngressRequest",
  "variableName" : "revokeSecurityGroupIngressRequest",
  "variableType" : "RevokeSecurityGroupIngressRequest",
  "documentation" : null,
  "simpleType" : "RevokeSecurityGroupIngressRequest",
  "variableSetterType" : "RevokeSecurityGroupIngressRequest"
},
"wrapper" : false
},
"RevokeSecurityGroupIngressResult" : {
  "c2jName" : "RevokeSecurityGroupIngressResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RevokeSecurityGroupIngressResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "revokeSecurityGroupIngressResult",
    "variableType" : "RevokeSecurityGroupIngressResult",
    "documentation" : null,
    "simpleType" : "RevokeSecurityGroupIngressResult",
    "variableSetterType" : "RevokeSecurityGroupIngressRequest"
"variableSetterType" : "RevokeSecurityGroupIngressResult",
},
"wrapper" : false
},
"Route" : {
"c2jName" : "Route",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a route in a route table.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR block used for the destination match.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block used for the destination match.</p>
@param
destinationCidrBlock The IPv4 CIDR block used for the destination match.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR block used for the destination match.</p>
@return The IPv4 CIDR block used for the destination match.
*/",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DestinationCidrBlock",
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/**<p>The IPv4 CIDR block used for the destination match.</p>
@param destinationCidrBlock The IPv4 CIDR block used for the destination match.*"",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR block used for the destination match.</p>
@param destinationCidrBlock The IPv4 CIDR block used for the destination match.</p>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block used for the destination match.</p>
  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "DestinationPrefixListId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The prefix of the AWS service.</p>
  "complexType" : "null",
  "fluentSetterDocumentation" : "/**<p>The prefix of the AWS service.</p>
  @param destinationPrefixListId The prefix of the AWS service.</p>
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withDestinationPrefixListId",
  "getterDocumentation" : "/**<p>The prefix of the AWS service.</p>
  @param destinationPrefixListId The prefix of the AWS service.</p>
  @return The prefix of the AWS service.*"",
  "getterMethodName" : "getDestinationPrefixListId"
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DestinationPrefixListId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "destinationPrefixListId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationPrefixListId",
"setterDocumentation" : "/**<p>The prefix of the AWS service.</p>
@param destinationPrefixListId The prefix of the AWS service.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDestinationPrefixListId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "destinationPrefixListId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The prefix of the AWS service.</p>\n@param destinationPrefixListId The prefix of the AWS service.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "destinationPrefixListId",
    "variableType" : "String",
    "documentation" : "<p>The prefix of the AWS service.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
 }, {
 "c2jName" : "GatewayId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of a gateway attached to your VPC.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of a gateway attached to your VPC.</p>
 @param gatewayId The ID of a gateway attached to your VPC.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withGatewayId",
 "getterDocumentation" : "/**<p>The ID of a gateway attached to your VPC.</p>
 @return The ID of a gateway attached to your VPC.
 */",
 "getterMethodName" : "getGatewayId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "GatewayId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "gatewayId",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "GatewayId",
 "setterDocumentation" : "/**<p>The ID of a gateway attached to your VPC.</p>
 @param gatewayId The ID of a gateway attached to your VPC.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "setterMethodName" : "setGatewayId",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "gatewayId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of a gateway attached to your VPC.</p>
@param gatewayId The ID of a gateway attached to your VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a gateway attached to your VPC.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a NAT instance in your VPC.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ID of a NAT instance in your VPC.</p>
  @param instanceId The ID of a NAT instance in your VPC.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/*<p>The ID of a NAT instance in your VPC.</p>
  @return The ID of a NAT instance in your VPC.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>\n@param instanceId The ID of a
NAT instance in your VPC.*/*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>\n@param instanceId The
ID of a NAT instance in your VPC.\n@return Returns a reference to this object so that method calls can be chained
together.*/*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a NAT instance in your VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained
together.*/*/",
"fluentSetterMethodName" : "withInstanceOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>\n@return The AWS account ID of the owner of the instance.*/*/",
"getterMethodName" : "getInstanceOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceOwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceOwnerId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceOwnerId",
"setterDocumentation" : "/**
  * The AWS account ID of the owner of the instance.
  * @param instanceOwnerId The AWS account ID of the owner of the instance.
  * @return Returns a reference to this object so that method calls can be chained together.
  */",
"setterMethodName" : "setInstanceOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
  * The AWS account ID of the owner of the instance.
  *
  * @param instanceOwnerId The AWS account ID of the owner of the instance.
  * @return Returns a reference to this object so that method calls can be chained together.
  */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceOwnerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the network interface.</p>
@\param networkInterfaceId The ID of the network interface.
@\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "/**<p>The ID of the network interface.</p>
@\return The ID of the network interface.*/",
"getterMethodName": "getNetworkInterfaceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>
@\param networkInterfaceId The ID of the network interface.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "networkInterfaceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p>
@\param networkInterfaceId The ID of the network interface.
@\return Returns a reference to this object so that method calls can be chained together.*/";
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "VpcPeeringConnectionId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
  @param vpcPeeringConnectionId The ID of the VPC peering connection.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withVpcPeeringConnectionId",
  "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
  @return The ID of the VPC peering connection. */",
  "getterMethodName" : "getVpcPeeringConnectionId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcPeeringConnectionId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcPeeringConnectionId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcPeeringConnectionId",
  "setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
  @param vpcPeeringConnectionId The ID of the VPC peering connection.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "setterMethodName" : "setVpcPeeringConnectionId",
  "setterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
vpcPeeringConnectionId The ID of the VPC peering connection.*/
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null },
"c2jName" : "NatGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of a NAT gateway.</p>
@param natGatewayId The ID of a NAT gateway.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGatewayId",
"getterDocumentation" : "/**<p>The ID of a NAT gateway.</p>
@return The ID of a NAT gateway.*/",
"getterMethodName" : "getNatGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayId"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>The ID of a NAT gateway.</p>
@param natGatewayId The ID of a NAT gateway.*/",
"setterMethodName" : "setNatGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "natGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a NAT gateway.</p>
@param natGatewayId The ID of a NAT gateway."
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "natGatewayId",
"variableType" : "String",
"documentation" : "<p>The ID of a NAT gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "State",
"c2jShape" : "RouteState",
"deprecated" : false,
"documentation" : "<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>",
"enumType" : "RouteState",
"fluentSetterDocumentation" : "/**<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>
@param state The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
@return Returns a reference to this object so that method calls can be chained together.</p>*/";
"getterSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).<br/>return The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).<br/>see RouteState*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "state",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).<br/>The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).<br/>see RouteState*/",
"setterMethodName" : "setState",
"setterModel" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the route. The `<code>blackhole</code>` state indicates that
the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).<p>
@param state The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).&lt;/p&gt;

```java

"variable": {
  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "&lt;p&gt;The state of the route. The &lt;code&gt;blackhole&lt;/code&gt; state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).&lt;/p&gt;",
  "simpleType": "String",
  "variableSetterType": "String"
},
"packageName": "core",
"c2jName": "Origin",
"c2jShape": "RouteOrigin",
"deprecated": false,
"documentation": "&lt;p&gt;Describes how the route was created.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;CreateRouteTable&lt;/code&gt; - The route was automatically created when the route table was created.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;CreateRoute&lt;/code&gt; - The route was manually added to the route table.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;EnableVgwRoutePropagation&lt;/code&gt; - The route was propagated by route propagation.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

"enumType": "RouteOrigin",
"fluentSetterDocumentation": "/**&lt;p&gt;Describes how the route was created.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;CreateRouteTable&lt;/code&gt; - The route was automatically created when the route table was created.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;CreateRoute&lt;/code&gt; - The route was manually added to the route table.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;EnableVgwRoutePropagation&lt;/code&gt; - The route was propagated by route propagation.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;CreateRouteTable&lt;/code&gt; - The route was automatically created when the route table was created.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;CreateRoute&lt;/code&gt; - The route was manually added to the route table.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;EnableVgwRoutePropagation&lt;/code&gt; - The route was propagated by route propagation.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.\n@see RouteOrigin*/

"fluentSetterMethodName": "withOrigin",
"getMethodDocumentation": "/**&lt;p&gt;Describes how the route was created.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;CreateRouteTable&lt;/code&gt; - The route was automatically created when the route table was created.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;CreateRoute&lt;/code&gt; - The route was manually added to the route table.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;EnableVgwRoutePropagation&lt;/code&gt; - The route was propagated by route propagation.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;\n@returns Describes how the route was created.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;CreateRouteTable&lt;/code&gt; - The route was automatically created when the route table was created.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;\n@returns\n@see RouteOrigin*/

"getMethodName": "getOrigin",
"getModel": {
  "returnType": "String",
  "documentation": null
},
```

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Returns a reference to this object so that method calls can be chained together.

```java
@see RouteOrigin*/
```

```java
variable" : {
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    "documentation" : "<p>Describes how the route was created.</p> "ul" "li" <p>
<code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> "li" <p><code>CreateRoute</code> - The route was manually added to the route table.</p>
<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> "li" "ul">
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    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "DestinationIpv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block used for the destination match.</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The IPv6 CIDR block used for the destination match.</p>
*\n@param
destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationIpv6CidrBlock",
"getterDocumentation" : "/**\n<p>The IPv6 CIDR block used for the destination match.</p>
*\n@return The IPv6 CIDR block used for the destination match.\n"getterMethodName" : "getDestinationIpv6CidrBlock",
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "destinationIpv6CidrBlock",
    "uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationIpv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
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"setterMethodName" : "setDestinationIpv6CidrBlock",
"setterModel" : {
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  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
@param
destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "p>The IPv6 CIDR block used for the destination match.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
}, {
  "c2jName" : "EgressOnlyInternetGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "p>The ID of the egress-only Internet gateway.</p>
  "enumType" : "null",
  "fluentSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
  @param
egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  @return The ID of the egress-only Internet gateway.*/",
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    "documentation" : null
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"statusCode" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@param
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}]
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  "variableDeclarationType" : "String",
  "variableName" : "DestinationCidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block used for the destination match.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
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@param destinationCidrBlock The IPv4 CIDR block used for the destination match.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR block used for the destination match.</p>
@return The IPv4 CIDR block used for the destination match.*/",
"getterMethodName" : "getDestinationCidrBlock",
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 "statusCode" : false,
 "unmarshallLocationName" : "destinationCidrBlock",
 "uri" : false
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"map" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDestinationCidrBlock",
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 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR block used for the destination match.</p>
@param destinationCidrBlock The IPv4 CIDR block used for the destination match.
@return Returns a reference to this object so that method calls can be chained together.*/"
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"DestinationIpv6CidrBlock" : {
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  "documentation" : "<p>The IPv6 CIDR block used for the destination match.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
@param
destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "getterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
@return The IPv6 CIDR block used for the destination match.*/",
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "destinationIpv6CidrBlock",
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block used for the destination match.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"setterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match.</p>*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"variableType" : "String",
"documentation" : "<p>The IPv6 CIDR block used for the destination match.</p>
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"variableSetterType" : "String"
},
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},
"DestinationPrefixListId" : {
"c2jName" : "DestinationPrefixListId",
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"deprecated" : false,
"documentation" : "<p>The prefix of the AWS service.</p>
","enumType" : null,
"fluentSetterDocumentation" : "/**<p>The prefix of the AWS service.</p>
@param destinationPrefixListId The prefix of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withDestinationPrefixListId",
"getterDocumentation" : "/**<p>The prefix of the AWS service.</p>
@return The prefix of the AWS service.</p>*/",
"getterMethodName" : "getDestinationPrefixListId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"isPayload" : false,
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"statusCode" : false,
"unmarshallLocationName" : "destinationPrefixListId",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param destinationPrefixListId The prefix of the AWS service.*/",
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  "variableSetterType" : "String"
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@param destinationPrefixListId The prefix of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>The prefix of the AWS service.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"EgressOnlyInternetGatewayId" : {
  "c2jName" : "EgressOnlyInternetGatewayId",
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  "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The ID of the egress-only Internet gateway.</p>
@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/"}
object so that method calls can be chained together.*/",
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@return The ID of the egress-only Internet gateway.*/",
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  "documentation" : null
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  "statusCode" : false,
  "unmarshallLocationName" : "egressOnlyInternetGatewayId",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
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"documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
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  "documentation" : "<p>The ID of a gateway attached to your VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>The ID of a gateway attached to your VPC.</p> 
  @param gatewayId
  The ID of a gateway attached to your VPC. */",
  "fluentSetterMethodName" : "withGatewayId",
  "getterDocumentation" : "/** <p>The ID of a gateway attached to your VPC.</p> 
  @return The ID of a gateway attached to your VPC. */",
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    "documentation" : null
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  "map" : false,
  "mapModel" : null,
  "name" : "GatewayId",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of a gateway attached to your VPC.</p>
@param gatewayId The ID of a gateway attached to your VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"InstanceId": {
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  "deprecated": false,
  "documentation": "<p>The ID of a NAT instance in your VPC.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of a NAT instance in your VPC.</p>
@param instanceId The ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withInstanceId",
  "getterDocumentation": "/**<p>The ID of a NAT instance in your VPC.</p>
@return The ID of a NAT instance in your VPC.*/",
  "getterMethodName": "getInstanceId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@param instanceId The ID of a NAT instance in your VPC.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
 "variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@param instanceId The ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "/p>The ID of a NAT instance in your VPC.
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceOwnerId" : {
 "c2jName" : "InstanceOwnerId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "/p>The AWS account ID of the owner of the instance.
"enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@param instanceOwnerId The AWS account ID of the owner of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withInstanceOwnerId",
 "getterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@return The AWS account ID of the owner of the instance.*/
"instanceOwnerId" : "InstanceId",
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@param instanceOwnerId The AWS account ID of the owner of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceOwnerId",
"setterModel" : {
 "variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
account ID of the owner of the instance.*"/

"getterMethodName" : "getInstanceOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceOwnerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceOwnerId",
"setterDocumentation" : "/*\n@param
instanceOwnerId The AWS account ID of the owner of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param
instanceOwnerId The AWS account ID of the owner of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceOwnerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"NatGatewayId" : {
  "c2jName" : "NatGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of a NAT gateway.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "*/\p&gt;The ID of a NAT gateway.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNatGatewayId",
  "getterDocumentation" : "*/\p&gt;The ID of a NAT gateway.&lt;/p&gt;\n@return The ID of a NAT gateway.*/",
  "getterMethodName" : "getNatGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NatGatewayId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "natGatewayId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NatGatewayId",
  "setterDocumentation" : "*/\p&gt;The ID of a NAT gateway.&lt;/p&gt;\n@return @param natGatewayId The ID of a NAT gateway.*/",
  "setterMethodName" : "setNatGatewayId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "natGatewayId",
    "variableType" : "String",
    "documentation" : "",}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of a NAT gateway.
 * @param natGatewayId The ID of a NAT gateway.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "natGatewayId",
   "variableType" : "String",
   "documentation" : "The ID of a NAT gateway.
   \n   @param natGatewayId The ID of a NAT gateway.
   \n   @return Returns a reference to this object so that method calls can be chained together.*/",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"NetworkInterfaceId" : {
   "c2jName" : "NetworkInterfaceId",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "The ID of the network interface.
   \n   @param networkInterfaceId The ID of the network interface.
   \n   @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withNetworkInterfaceId",
   "getterDocumentation" : "/**\n * The ID of the network interface.
 * @param networkInterfaceId The ID of the network interface.
 * @return The ID of the network interface.*/",
   "getterMethodName" : "getNetworkInterfaceId",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   }
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "NetworkInterfaceId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "networkInterfaceId",
   "uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.</n>*/",
"setterMethodDirectoryName": "setNetworkInterfaceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "<p>The ID of the network interface.</p>

  <p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri": null
},
"Origin": {
  "c2jName": "Origin",
  "c2jShape": "RouteOrigin",
  "deprecated": false,
  "documentation": "<p>Describes how the route was created.</p>"
},
"xmlNameSpaceUri": null
}
Returns a reference to this object so that method calls can be chained together.

@see RouteOrigin*/

*fluentSetterMethodName* : "withOrigin",

*getterDocumentation* : "/**<p>Describes how the route was created.</p> <ul> <li> <p><code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> </li> <li> <p><code>CreateRoute</code> - The route was manually added to the route table.</p> </li> <li> <p><code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> </li> </ul>
@return Describes how the route was created.

@see RouteOrigin*/

*getterMethodName* : "getOrigin",

*getterModel* : {
  "returnType" : "String",
  "documentation" : null
},

*http* : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Origin",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "origin",
  "uri" : false
},

*idempotencyToken* : false,

*list* : false,

*listModel* : null,

*map* : false,

*mapModel* : null,

*name* : "Origin",

*setterDocumentation* : "/**<p>Describes how the route was created.</p> <ul> <li> <p><code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> </li> <li> <p><code>CreateRoute</code> - The route was manually added to the route table.</p> </li> <li> <p><code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> </li> </ul>
@param origin Describes how the route was created.

@see RouteOrigin*/

*setterMethodName* : "setOrigin",

*setterModel* : {
  "variableDeclarationType" : "String",
  "variableName" : "Origin"
}
"variableName": "origin",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Describes how the route was created.</p> <ul> <li> <p>
<code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> </li> <li> <p>
<code>CreateRoute</code> - The route was manually added to the route table.</p> </li> <li> <p>
<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> </li> </ul>
@param origin Describes how the route was created.*/
@return Returns a reference to this object so that method calls can be chained together.
@see RouteOrigin*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "origin",
  "variableType": "String",
  "documentation": "<p>Describes how the route was created.</p> <ul> <li> <p>
<code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> </li> <li> <p>
<code>CreateRoute</code> - The route was manually added to the route table.</p> </li> <li> <p>
<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> </li> </ul>

"xmlNameSpaceUri": null
},
"State": {
  "c2jName": "State",
  "c2jShape": "RouteState",
  "deprecated": false,
  "documentation": "<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>

"enumType": "RouteState",
"fluentSetterDocumentation": "/**<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p> <ul>
<li> <p>
<code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> </li> <li> <p>
<code>CreateRoute</code> - The route was manually added to the route table.</p> </li> <li> <p>
<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> </li> </ul>

"xmlNameSpaceUri": null
},
"State": {
  "c2jName": "State",
  "c2jShape": "RouteState",
  "deprecated": false,
  "documentation": "<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p> <ul>
<li> <p>
<code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> </li> <li> <p>
<code>CreateRoute</code> - The route was manually added to the route table.</p> </li> <li> <p>
<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> </li> </ul>

"xmlNameSpaceUri": null
}
NAT instance has been terminated).

- **getterMethodName**: `getState`
- **getterModel**: {
  - `returnType`: `String`
  - `documentation`: null
}
- **http**: {
  - `additionalMarshallingPath`: null
  - `additionalUnmarshallingPath`: null
  - `flattened`: false
  - `greedy`: false
  - `header`: false
  - `isPayload`: false
  - `isStreaming`: false
  - `location`: null
  - `marshallLocationName`: "State",
  - `queryString`: false
  - `statusCode`: false
  - `unmarshallLocationName`: "state",
  - `uri`: false
},
- **idempotencyToken**: false
- **list**: false
- **listModel**: null
- **map**: false
- **mapModel**: null
- **name**: "State",
- **setterDocumentation**: "The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).

- **setterMethodName**: `setState`
- **setterModel**: {
  - `variableDeclarationType`: "String",
  - `variableName`: "state",
  - `variableType`: "String",
  - `documentation`: "",
  - `simpleType`: "String",
  - `variableSetterType": "String"
},
- **simple**: true
- **varargSetterDocumentation**: "The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).

@see RouteState*/"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": 
    "<p>The state of the route. The &lt;code&gt;blackhole&lt;/code&gt; state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).&lt;/p&gt;",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"VpcPeeringConnectionId": {
  "c2jName": "VpcPeeringConnectionId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 
    "<p>The ID of the VPC peering connection.&lt;/p&gt;",
  "enumType": null,
  "fluentSetterDocumentation": 
    "/**
    * The ID of the VPC peering connection.
    * @param vpcPeeringConnectionId The ID of the VPC peering connection.
    * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVpcPeeringConnectionId",
  "getterDocumentation": 
    "/**
    * The ID of the VPC peering connection.
    * @return The ID of the VPC peering connection.*/",
  "getterMethodName": "getVpcPeeringConnectionId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpcPeeringConnectionId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpcPeeringConnectionId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
"mapModel": null,
"name": "VpcPeeringConnectionId",
"setterDocumentation": "/**\n  \* The ID of the VPC peering connection.\n  \*/
  \n  @param vpcPeeringConnectionId The ID of the VPC peering connection.\n  \n  @return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName": "setVpcPeeringConnectionId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcPeeringConnectionId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n  \* The ID of the VPC peering connection.\n  \n  @param vpcPeeringConnectionId The ID of the VPC peering connection.\n  \n  @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcPeeringConnectionId",
  "variableType": "String",
  "documentation": "The ID of the VPC peering connection.\n  \n  @return Returns a reference to this object so that method calls can be chained together. */",
  "xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "Route",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "Route",
  "variableName": "route",
  "variableType": "Route",
  "documentation": null,
  "simpleType": "Route",
  "variableSetterType": "Route"
},
"wrapper": false,
"RouteOrigin": {"c2jName": "RouteOrigin"}
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
  {
    "name": "CreateRouteTable",
    "value": "CreateRouteTable"
  },
  {
    "name": "CreateRoute",
    "value": "CreateRoute"
  },
  {
    "name": "EnableVgwRoutePropagation",
    "value": "EnableVgwRoutePropagation"
  }
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "RouteOrigin",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "RouteOrigin",
  "variableName": "routeOrigin",
  "variableType": "RouteOrigin",
  "documentation": null,
  "simpleType": "RouteOrigin",
  "variableSetterType": "RouteOrigin"
},
"wrapper": false
},
"RouteState": {
  "c2jName": "RouteState",
  "customization": {
    "artificialResultWrapper": null,
    "documentation": "",
    "enums": [
      {
        "name": "CreateRouteTable",
        "value": "CreateRouteTable"
      },
      {
        "name": "CreateRoute",
        "value": "CreateRoute"
      },
      {
        "name": "EnableVgwRoutePropagation",
        "value": "EnableVgwRoutePropagation"
      }
    ],
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
    "hasStreamingMember": false,
    "marshaller": null,
    "members": null,
    "membersAsMap": {},
    "requestSignerAware": false,
    "requestSignerClassFqcn": null,
    "required": null,
    "shapeName": "RouteOrigin",
    "unmarshaller": {
      "flattened": false,
      "resultWrapper": null
    },
    "variable": {
      "variableDeclarationType": "RouteOrigin",
      "variableName": "routeOrigin",
      "variableType": "RouteOrigin",
      "documentation": null,
      "simpleType": "RouteOrigin",
      "variableSetterType": "RouteOrigin"
    },
    "wrapper": false
  }
}
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"deprecated": false,
"documentation": "",
"enums": [
{
"name": "Active",
"value": "active"
},
{
"name": "Blackhole",
"value": "blackhole"
}]
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "RouteState",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "RouteState",
"variableName": "routeState",
"variableType": "RouteState",
"documentation": null,
"simpleType": "RouteState",
"variableSetterType": "RouteState"
},
"wrapper": false
],
"RouteTable": {
"c2jName": "RouteTable",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation" : "<p>Describes a route table.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
{
"c2jName" : "RouteTableId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the
route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
"getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
"getterMethodName" : "getRouteTableId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
"event": "change",&…
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RouteSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "routeSet",
"uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
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  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Route",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Route",
      "documentation": null
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    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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    "variableName" : "member",
    "variableType" : "Route",
    "documentation" : "",
    "simpleType" : "Route",
    "variableSetterType" : "Route"
}
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Route",
    "variableName" : "member",
    "variableType" : "Route",
    "documentation" : "",
    "simpleType" : "Route",
    "variableSetterType" : "Route"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Route",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Route",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Route>",
"templateType" : "java.util.List<Route>
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"map" : false,
"mapModel" : null,
"name" : "Routes",
"setterDocumentation" : "/**\n<p>The routes in the route table.</p>
@param routes The routes in the route table.*/",
"setterMethodName" : "setRoutes",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
    "variableName" : "routes",
    "variableType" : "Route",
    "documentation" : "",
    "simpleType" : "Route",
    "variableSetterType" : "Route"
}
"variableType" : "java.util.List<Route>",
"documentation" : "",
"simpleType" : "List<Route>",
"variableSetterType" : "java.util.Collection<Route>"}
,
"simple" : false,
"varargSetterDocumentation" : "/**\n*p> The routes in the route table.\n*b> NOTE: \n*b> This method appends the values to the existing list (if any). Use [@link #setRoutes(java.util.Collection)] or [@link #withRoutes(java.util.Collection)] if you want to override the existing values.\n*b>\n*b>\n*b>@param routes The routes in the route table.\n*b>@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
  "variableName" : "routes",
  "variableType" : "java.util.List<Route>",
  "documentation" : "\<p> The routes in the route table.\</p>",
  "simpleType" : "List<Route>",
  "variableSetterType" : "java.util.Collection<Route>"}
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Associations",
"c2jShape" : "RouteTableAssociationList",
"deprecated" : false,
"documentation" : "\<p> The associations between the route table and one or more subnets.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n*p> The associations between the route table and one or more subnets.\n*b>@param associations The associations between the route table and one or more subnets.\n*b>@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withAssociations",
"getterDocumentation" : "/**\n*p> The associations between the route table and one or more subnets.\</p>\n*b>@return The associations between the route table and one or more subnets.*\n*/",
"getterMethodName" : "getAssociations",
"getterModel" : {
  "returnType" : "java.util.List<RouteTableAssociation>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociationSet",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "associationSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "RouteTableAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "RouteTableAssociation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "RouteTableAssociation",}
"variableName" : "member",
"variableType" : "RouteTableAssociation",
"documentation" : "",
"simpleType" : "RouteTableAssociation",
"variableSetterType" : "RouteTableAssociation"
}
",
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "RouteTableAssociation",
  "variableName" : "member",
  "variableType" : "RouteTableAssociation",
  "documentation" : "",
  "simpleType" : "RouteTableAssociation",
  "variableSetterType" : "RouteTableAssociation"
}
",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "RouteTableAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RouteTableAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"templateType" : "java.util.List<RouteTableAssociation>"
}
,
"map" : false,
"mapModel" : null,

"name" : "Associations",
"setterDocumentation" : "/**<p>The associations between the route table and one or more
subnets.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link

@link #setAssociations(java.util.Collection) or @link #withAssociations(java.util.Collection) if you want to override the existing values.  

```java
@returns Returns a reference to this object so that method calls can be chained together. */
```

```java
/**
 * The associations between the route table and one or more subnets.
 * 
 * @param associations The associations between the route table and one or more subnets.
 * @return Returns a reference to this object so that method calls can be chained together. */
```

```java
/**
 * Any tags assigned to the route table.
 * 
 * @param tags Any tags assigned to the route table.
 * @return Returns a reference to this object so that method calls can be chained together. */
```

```java
/**
 * Any tags assigned to the route table. 
 * 
 * @return Any tags assigned to the route table. */
```
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Tag",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Tag",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "simple" : false,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "PropagatingVgws",
"c2jShape" : "PropagatingVgwList",
"deprecated" : false,
"documentation" : "&lt;p&gt;Any virtual private gateway (VGW) propagating routes.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;Any virtual private gateway (VGW) propagating routes.&lt;/p&gt;&lt;param
propagatingVgws Any virtual private gateway (VGW) propagating routes.&lt;/p&gt;&lt;return Returns a reference to this
object so that method calls can be chained together.&lt;/p&gt;&lt;/param
propagatingVgws Any virtual private gateway (VGW) propagating routes.&lt;/p&gt;&lt;return Any
virtual private gateway (VGW) propagating routes.&lt;/p&gt;&lt;/return
Any virtual private gateway (VGW) propagating routes.&lt;/p&gt;&lt;/getPropagatingVgws
getterDocumentation" : "getPropagatingVgws",
"getterMethodName" : "getPropagatingVgws",
"getterModel" : {
"returnType" : "java.util.List<PropagatingVgw>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "propagatingVgwSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PropagatingVgw",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",}
method calls can be chained together.*/
    "setterDocumentation" : "/**
@param member */
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "PropagatingVgw",
        "variableName" : "member",
        "variableType" : "PropagatingVgw",
        "documentation" : "",
        "simpleType" : "PropagatingVgw",
        "variableSetterType" : "PropagatingVgw"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/
    "variable" : {
        "variableDeclarationType" : "PropagatingVgw",
        "variableName" : "member",
        "variableType" : "PropagatingVgw",
        "documentation" : "",
        "simpleType" : "PropagatingVgw",
        "variableSetterType" : "PropagatingVgw"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/
    "variable" : {
        "variableDeclarationType" : "PropagatingVgw",
        "variableName" : "member",
        "variableType" : "PropagatingVgw",
        "documentation" : "",
        "simpleType" : "PropagatingVgw",
        "variableSetterType" : "PropagatingVgw"
    },
    "simple" : false,
    "vararg SetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/
    "variable" : {
        "variableDeclarationType" : "PropagatingVgw",
        "variableName" : "member",
        "variableType" : "PropagatingVgw",
        "documentation" : "",
        "simpleType" : "PropagatingVgw",
        "variableSetterType" : "PropagatingVgw"
    },
    "simple" : false,
"variableSetterType" : "PropagatingVgw",
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "PropagatingVgw",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PropagatingVgw",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
"templateType" : "java.util.List<PropagatingVgw>"
},
"map" : false,
"mapModel" : null,
"name" : "PropagatingVgws",
"setterDocumentation" : "/**<p>Any virtual private gateway (VGW) propagating routes.</p>
@param propagatingVgws Any virtual private gateway (VGW) propagating routes.*/",
"setterMethodName" : "setPropagatingVgws",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
  "variableName" : "propagatingVgws",
  "variableType" : "java.util.List<PropagatingVgw>",
  "documentation" : "",
  "simpleType" : "List<PropagatingVgw>",
  "variableSetterType" : "java.util.Collection<PropagatingVgw>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any virtual private gateway (VGW) propagating routes.</p>
@param propagatingVgws Any virtual private gateway (VGW) propagating routes.<b>NO</b>T: This method appends the values to the existing list (if any). Use {link #setPropagatingVgws(java.util.Collection)} or {link #withPropagatingVgws(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
  "variableName" : "propagatingVgws",
  "variableType" : "java.util.List<PropagatingVgw>",
  "documentation" : "<p>Any virtual private gateway (VGW) propagating routes.</p>",
  "simpleType" : "List<PropagatingVgw>",
  "variableSetterType" : "java.util.Collection<PropagatingVgw>"
},
"xmlNameSpaceUri" : null
  ]
},
"membersAsMap" : {
  "Associations" : {
  ...
"c2jName" : "Associations",
"c2jShape" : "RouteTableAssociationList",
"deprecated" : false,
"documentation" : "The associations between the route table and one or more subnets."
"enumType" : null,
"fluentSetterDocumentation" : "The associations between the route table and one or more subnets.
@param associations The associations between the route table and one or more subnets.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "withAssociations",
"getterDocumentation" : "The associations between the route table and one or more subnets.
@return The associations between the route table and one or more subnets.
getterMethodName" : "getAssociations",
"getterModel" : {
  "returnType" : "java.util.List<RouteTableAssociation>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociationSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "associationSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "RouteTableAssociation",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "param member \n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "\\n\ngetterMethodName" : "getMember",
  "getterModel" : {
"memberType" : "RouteTableAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RouteTableAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"templateType" : "java.util.List<RouteTableAssociation>" }},
"map" : false,
"mapModel" : null,
"name" : "Associations",
"setterDocumentation" : "/**<p>The associations between the route table and one or more subnets.</p>
@param associations The associations between the route table and one or more subnets.*/",
"setterMethodName" : "setAssociations",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"variableName" : "associations",
"variableType" : "java.util.List<RouteTableAssociation>",
"documentation" : "",
"simpleType" : "List<RouteTableAssociation>",
"variableSetterType" : "java.util.Collection<RouteTableAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The associations between the route table and one or more subnets.</p>
@b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAssociations(java.util.Collection)} or {@link #withAssociations(java.util.Collection)} if you want to override the existing values.

@param associations The associations between the route table and one or more subnets
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"variableName" : "associations",
"variableType" : "java.util.List<RouteTableAssociation>",
"documentation" : "<p>The associations between the route table and one or more subnets.</p>",
"simpleType" : "List<RouteTableAssociation>",
"variableSetterType" : "java.util.Collection<RouteTableAssociation>"
},
"xmlNameSpaceUri" : null
},
"PropagatingVgws" : {
"c2jName" : "PropagatingVgws",
"c2jShape" : "PropagatingVgwList",
"deprecated" : false,
"documentation" : "<p>Any virtual private gateway (VGW) propagating routes.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any virtual private gateway (VGW) propagating routes.</p>
@b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPropagatingVgws(java.util.Collection)} or {@link #withPropagatingVgws(java.util.Collection)} if you want to override the existing values.

@param propagatingVgws Any virtual private gateway (VGW) propagating routes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
"variableName" : "propagatingVgws",
"variableType" : "java.util.List<PropagatingVgw>",
"documentation" : "<p>The virtual private gateways (VGWs) propagating routes for a VPC.</p>",
"simpleType" : "List<PropagatingVgw>",
"variableSetterType" : "java.util.Collection<PropagatingVgw>"
},
"xmlNameSpaceUri" : null
}
propagatingVgws Any virtual private gateway (VGW) propagating routes.
@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withPropagatingVgws",
"getterDocumentation" : "/**
*p>Any virtual private gateway (VGW) propagating routes.
*/

getterMethodName" : "getPropagatingVgws",
getterModel" : {
  "returnType" : "java.util.List<PropagatingVgw>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PropagatingVgwSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "propagatingVgwSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PropagatingVgw",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return *

getterMethodName" : "getMember",
getterModel" : {
  "returnType" : "PropagatingVgw",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "PropagatingVgw",
  "documentation" : "",
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  "variableSetterType" : "PropagatingVgw"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "PropagatingVgw",
  "documentation" : "",
  "simpleType" : "PropagatingVgw",
  "variableSetterType" : "PropagatingVgw"
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"xmlNamespaceUri" : null
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"memberLocationName" : "item",
"memberType" : "PropagatingVgw",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": false,
"simpleType": "PropagatingVgw",
"templateImplType": "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
"templateType": "java.util.List<PropagatingVgw>",
"map": false,
"mapModel": null,
"name": "PropagatingVgws",
"setterDocumentation": "/**\nAny virtual private gateway (VGW) propagating routes.*/",
"setterMethodName": "setPropagatingVgws",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
  "variableName": "propagatingVgws",
  "variableType": "java.util.List<PropagatingVgw>",
  "documentation": "",
  "simpleType": "List<PropagatingVgw>",
  "variableSetterType": "java.util.Collection<PropagatingVgw>"
},
"simple": false,
"varargSetterDocumentation": "/**\nAny virtual private gateway (VGW) propagating routes.*/",
"setterMethodName": "setPropagatingVgws",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
  "variableName": "propagatingVgws",
  "variableType": "java.util.List<PropagatingVgw>",
  "documentation": "",
  "simpleType": "List<PropagatingVgw>",
  "variableSetterType": "java.util.Collection<PropagatingVgw>"
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"xmlNameSpaceUri": null,
"RouteTableId": {
  "c2jName": "RouteTableId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the route table.</p>",
  "enumType": null,
  "setterDocumentation": "/**\nThe ID of the route table.*/",
  "setterMethodName": "withRouteTableId",
  "getterDocumentation": "/**\nThe ID of the route table.*/",
  "getterMethodName": "getRouteTableId",
  "getterModel": {
    "returnType": "String",
  }
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"documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteTableId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeTableId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**\n<p>The ID of the route table.</p>\n@<p>param routeTableId The ID of the route table.</p>\n*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the route table.</p>\n@<p>param routeTableId The ID of the route table.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Routes" : {
"c2jName" : "Routes",
"c2jShape" : "RouteList",
"deprecated" : false,
"documentation" : "<p>The routes in the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The routes in the route table.</p>
@param routes The routes in the route table.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withRoutes",
"getterDocumentation" : "/**<p>The routes in the route table.</p>
@return The routes in the route table. */",
"getterMethodName" : "getRoutes",
"getterModel" : {
  "returnType" : "java.util.List<Route>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Route",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Route",
      "documentation" : null
    }
  }
}
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
   * @param member
   */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Route",
  "variableName": "member",
  "variableType": "Route",
  "documentation": "",
  "simpleType": "Route",
  "variableSetterType": "Route"
},
"simple": false,
"varargSetterDocumentation": "/**\n   * @param member\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Route",
  "variableName": "member",
  "variableType": "Route",
  "documentation": "",
  "simpleType": "Route",
  "variableSetterType": "Route"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Route",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Route",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Route>",
"templateType" : "java.util.List<Route>"
},
"map" : false,
"mapModel" : null,
"name" : "Routes",
"setterDocumentation" : "/**<p>The routes in the route table.</p>
@param routes The routes in the route table.*/",
"setterMethodName" : "setRoutes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
  "variableName" : "routes",
  "variableType" : "java.util.List<Route>",
  "documentation" : "",
  "simpleType" : "List<Route>",
  "variableSetterType" : "java.util.Collection<Route>"
},
"simple" : false,
"variableSetterDocumentation" : "/**<p>The routes in the route table.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRoutes(java.util.Collection)} or {@link #withRoutes(java.util.Collection)} if you want to override the existing values.</p>
@param routes The routes in the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
  "variableName" : "routes",
  "variableType" : "java.util.List<Route>",
  "documentation" : "<p>The routes in the route table.</p>",
  "simpleType" : "List<Route>",
  "variableSetterType" : "java.util.Collection<Route>"
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"xmlNameSpaceUri" : null
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"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any tags assigned to the route table.</p>
@param tags Any tags assigned to the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
"namespace" : null,
"documentation" : null,
"defaultValue" : null,
"shapeType" : "local",
"shapeName" : "RouteTable",
"isList" : false,
"isMap" : false,
"fluentDocumentation" : null,
"fluentName" : null,
"fluentModel" : null,
"isWrapperType" : false,
"isSimpleType" : false,
"isListType" : false,
"isMapType" : false,
"isFunctionType" : false,
"isSettable" : true,
"isCreatable" : true,
"isCreatableViaBuilder" : true,
"isUpdatable" : true,
"isDeletable" : true,
"isCollectible" : false,
"isChaining" : false,
"isPartOfList" : false,
"isOptional" : false,
"isEnforced" : false,
"getterDocumentation": "/**<p>Any tags assigned to the route table.<p/>
@<p>return Any tags assigned to the route table.*/",
"getterMethodName": "getTags",
"getterModel": {
"returnType": "java.util.List<Tag",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "TagSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "tagSet",
"uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Tag",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "Tag",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>".

"templateType" : "java.util.List<Tag>",
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the route table.</p>
@param tags Any tags assigned to
the route table. */",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the route table.</p>
<b>NOTE:</b> This
method appends the values to the existing list (if any). Use [@link ##setTags(java.util.Collection)] or [@link
withTags(java.util.Collection)] if you want to override the existing values.</p>
@param tags Any tags assigned
to the route table.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the route table.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
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"xmlNameSpaceUri" : null
},
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@returns The ID of the VPC.* /
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
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,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param\n@vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the VPC.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RouteTable",
"setterMethodName" : "setVpcId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},"simple" : true,"varargSetterDocumentation" : "/**\n@\n@param\n@vpcId\nThe ID of the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the VPC.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},"xmlNameSpaceUri" : null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableAssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableAssociationId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableAssociationId",
"setterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>\n@param routeTableAssociationId The ID of the association between a route table and a subnet.*/",
"setterMethodName" : "setRouteTableAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableAssociationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>\n@param routeTableAssociationId The ID of the association between a route table and a subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableAssociationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the association between a route table and a subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "RouteTableId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
"getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
"getterMethodName" : "getRouteTableId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String"
"variableName": "routeTableId",
"variableType": "String",
"documentation": "<p>The ID of the route table.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "SubnetId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>
@architecture
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSubnetId",
"getterDocumentation": "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>
@return The ID of the subnet. A subnet ID is not returned for an implicit association.*/",
"getterMethodName": "getSubnetId",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"isStreaming": false,
"location": null,
"marshallLocationName": "SubnetId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "subnetId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SubnetId",
"setterDocumentation": "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>
@architecture
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setSubnetId"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>\n@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit association.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Main",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this is the main route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether this is the main route table.</p>\n@param main Indicates whether this is the main route table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMain",
  "getterDocumentation" : "/**<p>Indicates whether this is the main route table.</p>\n@return Indicates whether this is the main route table.*/",
  "getterMethodName" : "getMain",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Main",
  },
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "main",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Main",
"setterDocumentation" : "/**\n@\n\n@param main Indicates whether this is the main route table.*/",
"setterMethodName" : "setMain",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "main",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n\n@param main Indicates whether this is the main route table.*/
Indicates whether this is the main route table.\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "main",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether this is the main route table.
\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Main" : {
  "c2jName" : "Main",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Indicates whether this is the main route table.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@\n\n@param main Indicates whether this is the main route table.\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMain",
  "getterDocumentation" : "/**\n@\n\n@return Indicates whether this is the main route table.*/
Indicates whether this is the main route table.\n\n@\n\n@return Indicates whether this is the main route table. */",
  "getterMethodName" : "getMain",
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Main",
  "setterDocumentation" : "/**\n@\n\n@param main Indicates whether this is the main route table.*/",
  "setterMethodName" : "setMain",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "main",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n@\n\n@param main Indicates whether this is the main route table.*/
Indicates whether this is the main route table.\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "main",
    "variableType" : "Boolean",
    "documentation" : "Indicates whether this is the main route table.
\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null
}]
}]}
whether this is the main route table.*}/
getterMethodName" : "getMain",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Main",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "main",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Main",
"setterDocumentation" : "/**\n* Indicates whether this is the main route table.
* @param main Indicates whether this is the main route table.*}/
setterMethodName" : "setMain",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "main",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates whether this is the main route table.
* @param main Indicates whether this is the main route table.
* @return Returns a reference to this object so that method calls can be chained together.*}/
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "main",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether this is the main route table.</p>",
  "simpleType" : "Boolean"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>
@param routeTableAssociationId The ID of the association between a route table and a subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" :
{  
  "variableDeclarationType" : "String",
  "variableName" : "routeTableAssociationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the association between a route table and a subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"RouteTableId" :
{  
  "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
  "getMethodName" : "getRouteTableId",
  "getterModel" :
  {  
    "returnType" : "String",
    "documentation" : null
  },
  "http" :
  {  
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTableId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**\n\t@param routeTableId The ID of the route table.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\t@param routeTableId The ID of the route table.\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "The ID of the route table. A subnet ID is not returned for an implicit association.\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the subnet. A subnet ID is not returned for an implicit association.\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\t@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit association.\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**\n\t@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit association.\n\t@return The ID of the subnet. A subnet ID is not returned for an implicit association.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit
association.</p>@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit association.*/
  "setterMethodName" : "setSubnetId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "subnetId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit
association.</p>
@n@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit
association.
@return Returns a reference to this object so that method calls can be chained together.*/
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "subnetId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the subnet. A subnet ID is not returned for an implicit
association.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RouteTableAssociation",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RouteTableAssociation",
  "variableName" : "routeTableAssociation",
  "variableType" : "RouteTableAssociation",
  "documentation" : null,
  "simpleType" : "RouteTableAssociation",
  "variableSetterType" : "RouteTableAssociation"
},
"wrapper" : false,
"RuleAction" : {
  "c2jName" : "RuleAction",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [{
    "name" : "Allow",
    "value" : "allow"
  }, {
    "name" : "Deny",
    "value" : "deny"
  }],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RuleAction",
  "unmarshaller" : {
    "flattened" : false,
"resultWrapper": null,
},
"variable": {
  "variableDeclarationType": "RuleAction",
  "variableName": "ruleAction",
  "variableType": "RuleAction",
  "documentation": null,
  "simpleType": "RuleAction",
  "variableSetterType": "RuleAction"
},
"wrapper": false
},
"RunInstancesRequest": {
  "c2jName": "RunInstancesRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for RunInstances.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "RunInstances",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "ImageId",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The ID of the AMI, which you can get by calling <a>DescribeImages</a>.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The ID of the AMI, which you can get by calling <a>DescribeImages</a>.</p>\n@param imageId The ID of the AMI, which you can get by calling <a>DescribeImages</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withImageId",
      "getterDocumentation": "/**<p>The ID of the AMI, which you can get by calling <a>DescribeImages</a>.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName": "getImageId"
    }
  ]
}
The ID of the AMI, which you can get by calling `<a href="DescribeImages" />`.

**getterMethodName**: "getImageId",

**getterModel**: {
  "returnType" : "String",
  "documentation" : null
},

**http**: {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : false,
  "marshallLocationName" : "ImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ImageId",
  "uri" : false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "ImageId",

**setterDocumentation**: /*<p>The ID of the AMI, which you can get by calling</p>

**setterMethodName**: "setImageId",

**setterModel**: {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

**simple**: true,

**varargSetterDocumentation**: /*<p>The ID of the AMI, which you can get by calling</p>

**variable**: {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

**simple**: true,

**varargSetterDocumentation**: /*<p>The ID of the AMI, which you can get by calling</p>

**variable**: {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

**simple**: true,

**varargSetterDocumentation**: /*<p>The ID of the AMI, which you can get by calling</p>

**variable**: {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

**simple**: true,
"variableType" : "String",
"documentation" : "<p>The ID of the AMI, which you can get by calling <a>DescribeImages</a>.</p>.
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "MinCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The minimum number of instances to launch. If you specify a minimum that is more
instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a minimum
that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no
instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type.
For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@param minCount The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMinCount",

"getterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a minimum that is more
instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no
instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type.
For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@return The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.
"returnType" : "Integer",
"returnType" : "Integer",
"documentation" : null

The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see [How many instances can I run in Amazon EC2](http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/).
instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.\n@param minCount The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.\n<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see \n<a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.\n@return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "minCount",
        "variableType" : "Integer",
        "documentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see \n<a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.\n
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
    },
    "xmlNameSpaceUri" : null
},
{  
    "c2jName" : "MaxCount",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above \n<code>MinCount</code>.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see \n<a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.\n
    "enumType" : null,
    "fluentSetterDocumentation" : "The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above \n<code>MinCount</code>.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see \n<a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2 in the Amazon EC2 FAQ.\n
    "@param maxCount The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above \n<code>MinCount</code>.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see \n<a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2 in the Amazon EC2 FAQ.\n
@return Returns a reference to this object so that method calls can be chained together."/
}
"fluentSetterMethodName" : "withMaxCount",
"getterDocumentation" : "/**<p>The maximum number of instances to launch. If you specify more instances
than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of
instances above <code>MinCount</code>. </p> <p>Constraints: Between 1 and the maximum number you're
allowed for the specified instance type. For more information about the default limits, and how to request an
increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.</p>
@return The maximum number of
instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone,
Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. </p> <p>Constraints: Between 1 and the maximum number you're
allowed for the specified instance type. For more information about the default limits, and how to request an
increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.*/",
"getterMethodName" : "getMaxCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxCount",
"setterDocumentation" : "/**<p>The maximum number of instances to launch. If you specify more instances
than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of
instances above <code>MinCount</code>. </p> <p>Constraints: Between 1 and the maximum number you're
allowed for the specified instance type. For more information about the default limits, and how to request an
increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. */",
"setterMethodName" : "setMaxCount",
Amazon EC2 launches the largest possible number of instances above `<code>MinCount</code>`.

**Constraints:** Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see [How many instances can I run in Amazon EC2](http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/). How many instances can I run in Amazon EC2 in the Amazon EC2 FAQ.

```java
setterMethodName" : "setMaxCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above `<code>MinCount</code>`.</p>

**Constraints:** Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see [How many instances can I run in Amazon EC2](http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/).

```
"documentation" : "The name of the key pair. You can create a key pair using \&lt;a\&gt;CreateKeyPair\&lt;/a\&gt; or \&lt;a\&gt;ImportKeyPair\&lt;/a\&gt;. \&lt;p\&gt;\&lt;important\&gt; \&lt;p\&gt;If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.\&lt;/p\&gt; \&lt;/important\&gt;",

"enumType" : null,

"fluentSetterDocumentation" : "The name of the key pair. You can create a key pair using \&lt;a\&gt;CreateKeyPair\&lt;/a\&gt; or \&lt;a\&gt;ImportKeyPair\&lt;/a\&gt;. \&lt;p\&gt;\&lt;important\&gt; \&lt;p\&gt;If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.\&lt;/p\&gt; \&lt;/important\&gt;\&lt;param\&gt;\&lt;important\&gt; The name of the key pair. You can create a key pair using \&lt;a\&gt;CreateKeyPair\&lt;/a\&gt; or \&lt;a\&gt;ImportKeyPair\&lt;/a\&gt;. \&lt;p\&gt;\&lt;important\&gt; \&lt;p\&gt;If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.\&lt;/p\&gt; \&lt;/important\&gt;\&lt;return\&gt; Returns a reference to this object so that method calls can be chained together.\*/",

"fluentSetterMethodName" : "withKeyName",

"getterDocumentation" : "The name of the key pair. You can create a key pair using \&lt;a\&gt;CreateKeyPair\&lt;/a\&gt; or \&lt;a\&gt;ImportKeyPair\&lt;/a\&gt;. \&lt;p\&gt;\&lt;important\&gt; \&lt;p\&gt;If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.\&lt;/p\&gt; \&lt;/important\&gt;\&lt;return\&gt; The name of the key pair. You can create a key pair using \&lt;a\&gt;CreateKeyPair\&lt;/a\&gt; or \&lt;a\&gt;ImportKeyPair\&lt;/a\&gt;. \&lt;p\&gt;\&lt;important\&gt; \&lt;p\&gt;If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.\&lt;/p\&gt; \&lt;/important\&gt;",

"getterMethodName" : "getKeyName",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeyName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "KeyName",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "KeyName",

"setterDocumentation" : "The name of the key pair. You can create a key pair using \&lt;a\&gt;CreateKeyPair\&lt;/a\&gt; or \&lt;a\&gt;ImportKeyPair\&lt;/a\&gt;. \&lt;p\&gt;\&lt;important\&gt; \&lt;p\&gt;If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.\&lt;/p\&gt; \&lt;/important\&gt;\&lt;param\&gt; The name of the key pair. You can create a key pair using \&lt;a\&gt;CreateKeyPair\&lt;/a\&gt;
or <a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> */

"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\nThe name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.
\n@param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.
\n@param securityGroups \[EC2-Classic, default VPC\] One or more security group names. For a nondefault VPC, you must use security group IDs instead.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"c2jName" : "SecurityGroups",
"c2jShape" : "SecurityGroupStringList",
"deprecated" : false,
"documentation" : "\n\n\n[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.
\nDefault: Amazon EC2 uses the default security group.

"enumType" : null,
"fluentSetterDocumentation" : "/**\n\n\n[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.
\nDefault: Amazon EC2 uses the default security group.
\n\n\nReturns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**\n\n[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.
\nDefault: Amazon EC2 uses the default security group.
\n\n\nReturns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "securityGroups",
  "variableType" : "String",
  "documentation" : "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.
\nDefault: Amazon EC2 uses the default security group.
\n\n\nReturns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "securityGroups",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroup",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : ""
  },
  "fluentSetterDocumentation" : "@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroup",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroup",
    "uri" : false
  }
}
"marshallLocationName" : "SecurityGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
**mapModel** : null,
**name** : "SecurityGroups",
**setterDocumentation** : "/**<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.</p>\n@param securityGroups [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.*/",
**setterMethodName** : "setSecurityGroups",
**setterModel** : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
**simple** : false,
**varargSetterDocumentation** : "/**<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.</p>\n@param securityGroups [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
**variable** : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.</p>
},
**xmlnsNameSpaceUri** : null
},
**c2jName** : "SecurityGroupIds",
**c2jShape** : "SecurityGroupIdStringList",
**deprecated** : false,
**documentation** : "One or more security group IDs. You can create a security group using
\nCreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.</p>"},
**enumType** : null,
**fluentSetterDocumentation** : "/**<p>[EC2-Classic, default VPC] One or more security group IDs. You can create a security group using
\nCreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.</p>\n@param securityGroupIds One or more security group IDs. You can create a security group using
\nCreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
**fluentSetterMethodName** : "withSecurityGroupIds",
**getterDocumentation** : "/**<p>[EC2-Classic, default VPC] One or more security group IDs. You can create a security group using
\nCreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.*/"}
Default: Amazon EC2 uses the default security group.

\@return One or more security group IDs. You can create a security group using \texttt{CreateSecurityGroup}.

Amazon EC2 uses the default security group. */

\*/

```
getterMethodName" : "getSecurityGroupIds",
getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
```

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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String"
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupIds",
"setterDocumentation" : "/**
 * One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
 * Default: Amazon EC2 uses the default security group.
 * @param securityGroupIds One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
 * Default: Amazon EC2 uses the default security group.
 */

setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**
   * One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
   * Default: Amazon EC2 uses the default security group.
   * <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
   * @link #setSecurityGroupIds(java.util.Collection)} or {
   * @link #withSecurityGroupIds(java.util.Collection)} if you want to override the existing values.
   * @param securityGroupIds One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
   * Default: Amazon EC2 uses the default security group.
   * @return Returns a reference to this object so that method calls can be chained together.
   */

  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "securityGroupIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
    * Default: Amazon EC2 uses the default security group.
    * simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "simple" : false,
    "varargSetterDocumentation" : "The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instance-data-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."}

"xmlNameSpaceUri" : null
},
"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The user data to make available to the instance. For more information, see <a href=\"http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html\">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href=\"http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html\#instance-data-add-user-data\">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@param userData The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getUserData",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserData",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserData",
"uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n@param userData The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUserData",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "userData",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n@param userData The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "userData",
   "variableType" : "String",
   "documentation" : "<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "userData",
   "variableType" : "String",
   "documentation" : "<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/

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Linux Instance at Launch</a> (Linux) and </a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```
{
    "simpleType": "String",
    "variableSetterType": "String"
}
```

```
"documentation": "The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html" Instance Types in the Amazon Elastic Compute Cloud User Guide. Default: m1.small"
```

```
"c2jName": "InstanceType",
"c2jShape": "InstanceType",
"deprecated": false,
"documentation": "The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html" Instance Types in the Amazon Elastic Compute Cloud User Guide. Default: m1.small"
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```
@see InstanceType*/
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"getterModel": {
    "returnType": "String",
    "documentation": null
}
```

```
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "InstanceType",
    "queryString": false,
```
"statusCode": false,
"unmarshallLocationName": "InstanceType",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceType",
"setterDocumentation": /**<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. Default: <code>m1.small</code> @see InstanceType*/",
"setterMethodName": "setInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": /**<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. Default: <code>m1.small</code> @return Returns a reference to this object so that method calls can be chained together. @see InstanceType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. Default: <code>m1.small</code></p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Placement",
"c2jShape": "Placement"
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"deprecated" : false,
"documentation" : "<p>The placement for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The placement for the instance.</p>@param placement The placement for the instance.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "/**<p>The placement for the instance.</p>@returns The placement for the instance.*/",
"getterMethodName" : "getPlacement",
"getterModel" : {
  "returnType" : "Placement",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Placement",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Placement",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The placement for the instance.</p>@param placement The placement for the instance.*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" : "Placement",
  "variableName" : "placement",
  "variableType" : "Placement",
  "documentation" : "",
  "simpleType" : "Placement",
  "variableSetterType" : "Placement"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The placement for the instance.</p>@param placement The placement for the instance.*/
@returns Returns a reference to this object so that method calls can be chained
"variable" : {
    "variableDeclarationType" : "Placement",
    "variableName" : "placement",
    "variableType" : "Placement",
    "documentation" : "The placement for the instance.\n\nWe recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n\nWe recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@return The ID of the kernel.\n\nWe recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n"getterMethodName" : "getKernelId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/*\n<p>The ID of the kernel.</p> <important>\n<p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </important>
@param kernelId The ID of the kernel.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>The ID of the kernel.</p> <important>\n<p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </important>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </important>
"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null,
],
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk. </p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see </p> <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"&gt; PV-GRUB </a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p> </important>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk. </p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see </p> <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"&gt; PV-GRUB </a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p> </important>\n@param ramdiskId The ID of the RAM disk. </p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see </p> <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"&gt; PV-GRUB </a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p> </important>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk. </p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see </p> <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"&gt; PV-GRUB </a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p> </important>\n@return The ID of the RAM disk. </p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see </p> <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"&gt; PV-GRUB </a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p> </important>*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RamdiskId",
"uri" : false
},
"idempotencyToken" : false,
"setterDocumentation": "/**<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */
@param ramdiskId The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"setterMethodName": "setRamdiskId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ramdiskId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */
@param ramdiskId The ID of the RAM disk.

@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ramdiskId",
  "variableType": "String",
  "documentation": "<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "BlockDeviceMappings",
"c2jShape": "BlockDeviceMappingRequestList",
"deprecated": false,
"documentation": "<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can
be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.

"enumType": null,
"fluentSetterDocumentation": "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important>@param blockDeviceMappings The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> */",
"fluentSetterMethodName": "withBlockDeviceMappings",
"getterDocumentation": "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> */",
"getterMethodName": "getBlockDeviceMappings",
"getterModel": {
"returnType": "java.util.List<BlockDeviceMapping>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "BlockDeviceMapping",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "BlockDeviceMapping",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"returnType": "java.util.List<BlockDeviceMapping>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"c2jShape" : "BlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "BlockDeviceMapping",
"documentation" : null}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BlockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
}
},
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important><param blockDeviceMappings The block device mapping.</param> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> */",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>",
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important><h>NOTE:</h> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if
you want to override the existing values.</p>

**Important**<p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>

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"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "<p>The monitoring for the instance.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
  @param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
  @return [EC2-VPC] The ID of the subnet to launch the instance into.
  @param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getSubnetId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SubnetId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SubnetId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SubnetId",
"setterDocumentation": "/**\n\[EC2-VPC\] The ID of the subnet to launch the instance into.\n\n@param subnetId\n\[EC2-VPC\] The ID of the subnet to launch the instance into.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setSubnetId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n\[EC2-VPC\] The ID of the subnet to launch the instance into.\n\n@param subnetId\n\[EC2-VPC\] The ID of the subnet to launch the instance into.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "<p>\[EC2-VPC\] The ID of the subnet to launch the instance into.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "DisableApiTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p>
<p>Default: <code>false</code></p>

"enumType" : null,
"fluentSetterDocumentation" : "If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p>
<p>Default: <code>false</code></p>

"getterDocumentation" : "If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p>
<p>Default: <code>false</code></p>

"getterMethodName" : "getDisableApiTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DisableApiTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "disableApiTermination",
  
  "fluentSetterMethodName" : "withDisableApiTermination",
  "getterDocumentation" : "If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p>
<p>Default: <code>false</code></p>

"getterMethodName" : "getDisableApiTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DisableApiTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "disableApiTermination",
  
  "fluentSetterMethodName" : "withDisableApiTermination",
  "getterDocumentation" : "If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p>
<p>Default: <code>false</code></p>
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"setterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance. <p>Default: <code>false</code></p>\n@param disableApiTermination If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance. <p>Default: <code>false</code></p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setDisableApiTermination",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "disableApiTermination",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance. <p>Default: <code>false</code></p>\n@param disableApiTermination If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance. <p>Default: <code>false</code></p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "disableApiTermination",
    "variableType" : "Boolean",
    "documentation" : "<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance. <p>Default: <code>false</code>
"return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "disableApiTermination",
    "variableType" : "Boolean",
    "documentation" : "<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance. <p>Default: <code>false</code></p>".}
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "ShutdownBehavior",
"deprecated" : false,
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p> <p>Default: <code>stop</code></p>",
"enumType" : "ShutdownBehavior",
"fluentSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p> <p>Default: <code>stop</code></p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.
@see ShutdownBehavior*/",
"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p> <p>Default: <code>stop</code></p>
@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/",
"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceInitiatedShutdownBehavior",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**\n<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p><p>Default: stop</p></n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</n>\n@param\n@see ShutdownBehavior*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p><p>Default: stop</p></n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</n>\n@param\n@return Returns a reference to this object so that method calls can be chained together.\n@see ShutdownBehavior*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n@param\n@return\n@see ShutdownBehavior*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n@param\n@see PrivateIpAddress\n@see PrivateIpAddress*/",
"variableDeclarationType" : "String",
"variableName" : "PrivateIpAddress",
"variableType" : "String",
"documentation" : "The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n@param\n@see PrivateIpAddress\n@see PrivateIpAddress*/",
"simpleType" : "String",
"variableSetterType" : "String"}
network interface specification. You cannot specify this option if you're launching more than one instance in the request.

```java
@Retention
@Retention(RetentionPolicy.RUNTIME)
public @interface YourCustomAnnotation {
    String value();
}
```

**getterDocumentation** /*<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. */

```java
public String getPrivateIpAddress();
```

**setterDocumentation** /*<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. */

```java
public void setPrivateIpAddress(String privateIpAddress);`
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple": true,
"varargSetterDocumentation" : "/**<p>
[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.
</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request. 
</p>
@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "<p>
[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>

@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variableType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6Addresses",
"c2jShape" : "InstanceIpv6AddressList",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation": "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*/n@return [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*/",
"getterMethodName": "getIpv6Addresses",
"getterModel": {
"returnType": "java.util.List<InstanceIpv6Address>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6Address",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Ipv6Address",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "InstanceIpv6Address",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**@n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "InstanceIpv6Address",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false,
"
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "InstanceIpv6Address",
"variableName": "member",
"variableType": "InstanceIpv6Address",
"documentation": "",
"simpleType": "InstanceIpv6Address",
"variableSetterType": "InstanceIpv6Address"
},
"simple": false,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that
 * method calls can be chained together. */",
"variable": {
"variableDeclarationType": "InstanceIpv6Address",
"variableName": "member",
"variableType": "InstanceIpv6Address",
"documentation": "",
"simpleType": "InstanceIpv6Address",
"variableSetterType": "InstanceIpv6Address"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceIpv6Address",
"map": false,
"marshallNonAutoConstructedList": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>",
}
,"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**\n * [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.<p>\n * @param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*/\n */
setterMethodName" : "setIpv6Addresses",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
 "variableName" : "ipv6Addresses",
 "variableType" : "java.util.List<InstanceIpv6Address>",
 "documentation" : "",
 "simpleType" : "List<InstanceIpv6Address>",
 "variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.<p>\n * NOTE: This method appends the values to the existing list (if any). Use { @link #setIpv6Addresses(java.util.Collection)} or { @link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.<p>\n * @param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.<p>\n * @return Returns a reference to this object so that method calls can be chained together.*/\n */
variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
 "variableName" : "ipv6Addresses",
 "variableType" : "java.util.List<InstanceIpv6Address>",
 "documentation" : "<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>
 "simpleType" : "List<InstanceIpv6Address>",
 "variableSetterType" : "java.util.Collection<InstanceIpv6Address>"}
"xmlNameSpaceUri" : null,
}
"c2jName" : "Ipv6AddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>
@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6AddressCount",
"getterDocumentation" : "/**<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>
@return [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</returns>*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6AddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Ipv6AddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{ 
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href='http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html'>Ensuring
Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
*/

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
*/

"<p>Constraints: Maximum 64 ASCII characters</p>"}
sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```java
setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "AdditionalInfo",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "p>Reserved.</p>"",
"enumType" : null,
"isArray" : true,
"isSimpleType" : false,
"fluentSetterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"fluentSetterMethodName" : "withAdditionalInfo",
"getterDocumentation" : "/**<p>Reserved.</p>\n@return Reserved.*"",
"getterMethodName" : "getAdditionalInfo",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
```

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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AdditionalInfo",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "additionalInfo",
  "uri": false
},
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "AdditionalInfo",
  "setterDocumentation": "/**<p>Reserved.</p>@param additionalInfo Reserved.</p>*/",
  "setterMethodName": "setAdditionalInfo",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "additionalInfo",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>Reserved.</p>@param additionalInfo Reserved.<p>@return Returns a reference to this object so that method calls can be chained together.*</p>*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "additionalInfo",
    "variableType": "String",
    "documentation": "<p>Reserved.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
},
  "c2jName": "NetworkInterfaces",
  "c2jShape": "InstanceNetworkInterfaceSpecificationList",
  "deprecated": false,
  "documentation": "<p>One or more network interfaces.</p>"}
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InstanceNetworkInterfaceSpecification",
  "variableName": "member",
  "variableType": "InstanceNetworkInterfaceSpecification",
  "documentation": "",
  "simpleType": "InstanceNetworkInterfaceSpecification",
  "variableSetterType": "InstanceNetworkInterfaceSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceNetworkInterfaceSpecification",
  "variableName": "member",
  "variableType": "InstanceNetworkInterfaceSpecification",
  "documentation": "",
  "simpleType": "InstanceNetworkInterfaceSpecification",
  "variableSetterType": "InstanceNetworkInterfaceSpecification"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InstanceNetworkInterfaceSpecification",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "<p>One or more network interfaces.</p>
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"xmlnsNamespaceUri" : null
},
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return The IAM instance profile.*/",}
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
  "returnType" : "IamInstanceProfileSpecification",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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  "marshallLocationName" : "IamInstanceProfile",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iamInstanceProfile",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM
instance profile.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM
instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "<p>The IAM instance profile.</p>",
  "simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri" : null,
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance.</p>
<p>Default: <code>false</code></p>
"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide
optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges
apply when using an EBS-optimized instance.</p>
<p>Default: <code>false</code></p>

@param ebsOptimized
Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to
Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't
available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
<p>Default: <code>false</code></p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance.</p>
<p>Default: <code>false</code></p>

@return Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to
Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't
available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
<p>Default: <code>false</code></p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEbsOptimized",
"getterModel" : { 
"returnType" : "Boolean",
"documentation" : null 
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EbsOptimized",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ebsOptimized",
"uri" : false 
},

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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EbsOptimized",
"setterDocumentation": /**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p><p>@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.
*/

setterMethodName": "setEbsOptimized",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "ebsOptimized",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": /**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p><p>@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.
*/

variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "ebsOptimized",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
<p>Default: <code>false</code></p>

simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null ]},
"membersAsMap": {
  "AdditionalInfo": {
"c2jName" : "AdditionalInfo",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Reserved.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Reserved.</p>*</n>@param additionalInfo Reserved.@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAdditionalInfo",
"getterDocumentation" : "/*<p>Reserved.</p>*</n>@n@return Reserved.@n*",
"getterMethodName" : "getAdditionalInfo",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AdditionalInfo",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "additionalInfo",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AdditionalInfo",
"setterDocumentation" : "/*<p>Reserved.</p>*</n>@n@param additionalInfo Reserved.@n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAdditionalInfo",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>Reserved.</p>*</n>@n@param additionalInfo Reserved.@n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "<p>Reserved.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
  "c2jName" : "BlockDeviceMappings",
  "c2jShape" : "BlockDeviceMappingRequestList",
  "deprecated" : false,
  "documentation" : "<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important>
@param blockDeviceMappings The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withBlockDeviceMappings",
  "getterDocumentation" : "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important>
@return The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>*/",
  "getterMethodName" : "getBlockDeviceMappings",
  "getterModel" : {
    "returnType" : "java.util.List<JavaType>",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flatten" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BlockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n   * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "BlockDeviceMapping",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "BlockDeviceMapping",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "BlockDeviceMapping",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> <important>
@param blockDeviceMappings The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The block device mapping.</p> <important> <p>Supplying both a
snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only
blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the
volume, it contains data by definition and its encryption status cannot be changed using this action.</p> */
<p>&lt;important&gt;\n&lt;b&gt;NOTE:&lt;/b&gt; This method appends the values to the existing list (if any). Use {@link
#setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if
you want to override the existing values.&lt;/p&gt;&lt;/important&gt; &lt;p&gt;Supplying both a snapshot ID and an encryption value as arguments for block-device mapping
results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a
snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be
changed using this action.&lt;/p&gt;&lt;/important&gt;",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and
an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes
can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it
contains data by definition and its encryption status cannot be changed using this action.&lt;/p&gt; </important>",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;&lt;/p&gt; &lt;p&gt;Constraints: Maximum 64 ASCII characters&lt;/p&gt;.
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;&lt;/p&gt; &lt;p&gt;Constraints: Maximum 64 ASCII characters&lt;/p&gt;&lt;/n&gt;param clientToken Unique, case-
Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

Constraints: Maximum 64 ASCII characters.

@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

<p>Constraints: Maximum 64 ASCII characters</p>

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.


"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

<p>Constraints: Maximum 64 ASCII characters</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
"returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

<p>Constraints: Maximum 64 ASCII characters</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
"returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

<p>Constraints: Maximum 64 ASCII characters</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
"returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

<p>Constraints: Maximum 64 ASCII characters</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
"returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

<p>Constraints: Maximum 64 ASCII characters</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="https://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
"returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}

"simple" : true,
" vararginSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"DisableApiTermination" : {
 "c2jName" : "DisableApiTermination",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "If you set this parameter to <code>true</code>, you can’t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code></p>"},

"enumType" : null,
"fluentSetterDocumentation" : "/*<p>If you set this parameter to <code>true</code>, you can’t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code></p>

/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
 "variableDeclarationType": "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"DisableApiTermination" : {
 "c2jName" : "DisableApiTermination",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "If you set this parameter to <code>true</code>, you can’t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.

"Default: <code>false</code>"}}

"enumType" : null,
be chained together.*"/

  "fluentSetterMethodName" : "withDisableApiTermination",
  "getterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code> </p>\n@return If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code>*/",
  "getterMethodName" : "getDisableApiTermination",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DisableApiTermination",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "disableApiTermination",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "DisableApiTermination",
  "setterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code> </p>\n@param disableApiTermination If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code>*/";
"setterMethodName" : "setDisableApiTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance. </p> <p>Default: <code>false</code> </p>*/

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance. </p> <p>Default: <code>false</code> </p>

"EbsOptimized" : {
  "c2jName" : "EbsOptimized",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance. </p> <p>Default: <code>false</code> </p>*/

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. </p> <p>Default: <code>false</code> </p>

"xmlNameSpaceUri" : null
},
"EbsOptimized" : {
  "c2jName" : "EbsOptimized",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance. </p> <p>Default: <code>false</code> </p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. </p> <p>Default: <code>false</code> </p>

"xmlNameSpaceUri" : null
}
Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>

<p>Default: <code>false</code></p>

@returns Returns a reference to this object so that method calls can be chained together.

```
/*
 * fluentSetterMethodName" : "withEbsOptimized",
 * getterDocumentation" : "/**\n * Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.\n * Default: <code>false</code>\n *\n * @returns Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.\n */
```

```
/**
 * Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>

<p>Default: <code>false</code></p>

```
```
```
```
```
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsOptimized",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsOptimized",
    "variableType" : "Boolean",
    "documentation" : "Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.
Default: <code>false</code>
",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
    "c2jName" : "IamInstanceProfile",
    "c2jShape" : "IamInstanceProfileSpecification",
    "deprecated" : false,
    "documentation" : "The IAM instance profile.
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "The IAM instance profile.
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIamInstanceProfile",
    "getterDocumentation" : "The IAM instance profile.
@return The IAM instance profile.*/",
    "getterMethodName" : "getIamInstanceProfile",
    "getterModel" : {
        "returnType" : "IamInstanceProfileSpecification",
        "documentation" : null
    },
    "http" : {
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
    "variableDeclarationType" : "IamInstanceProfileSpecification",
    "variableName" : "iamInstanceProfile",
    "variableType" : "IamInstanceProfileSpecification",
    "documentation" : "",
    "simpleType" : "IamInstanceProfileSpecification",
    "variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : true,
"varargSetterDocumentation" : "The IAM instance profile.
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "IamInstanceProfileSpecification",
    "variableName" : "iamInstanceProfile",
    "variableType" : "IamInstanceProfileSpecification",
    "documentation" : "",
    "simpleType" : "IamInstanceProfileSpecification",
    "variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri" : null
},
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 9322"
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IamInstanceProfile",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfile",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "<p>The IAM instance profile.</p>
"simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri" : null
},
"ImageId" : {
  "c2jName" : "ImageId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "simpleType" : "String",
  "variableDeclarationType" : "String",
  "variableName" : "ImageId",
  "variableType" : "String",
  "variableSetterType" : "String"
}
"documentation": "The ID of the AMI, which you can get by calling DescribeImages.",
"enumType": null,
"fluentSetterDocumentation": "The ID of the AMI, which you can get by calling DescribeImages."

@param imageId The ID of the AMI, which you can get by calling DescribeImages.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The ID of the AMI, which you can get by calling DescribeImages.
 *
 * @param imageId The ID of the AMI, which you can get by calling DescribeImages.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName": "withImageId",
"getterDocumentation": "The ID of the AMI, which you can get by calling DescribeImages."

/*
 * @return The ID of the AMI, which you can get by calling DescribeImages.
 */

"getterMethodName": "getImageId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ImageId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ImageId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "The ID of the AMI, which you can get by calling DescribeImages."

/*
 * @return The ID of the AMI, which you can get by calling DescribeImages.
 */

"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}
"simple": true,
"varargSetterDocumentation": "/** The ID of the AMI, which you can get by calling
\<a\>DescribeImages\</a\.\</p\>\@param imageId The ID of the AMI, which you can get by calling
\<a\>DescribeImages\</a\.\</p\>\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "The ID of the AMI, which you can get by calling \<a\>DescribeImages\</a\.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"InstanceInitiatedShutdownBehavior": {
  "c2jName": "InstanceInitiatedShutdownBehavior",
  "c2jShape": "ShutdownBehavior",
  "deprecated": false,
  "documentation": "Indicates whether an instance stops or terminates when you initiate shutdown from
the instance (using the operating system command for system shutdown).*/
\<p\>\<code\>stop\</code\>\</p\>\n\<param\>\n@return Returns a reference to this object so that method calls can be chained
together.\n@see ShutdownBehavior*/",
  "fluentSetterMethodName": "withInstanceInitiatedShutdownBehavior",
  "getterDocumentation": "Indicates whether an instance stops or terminates when you initiate shutdown
from the instance (using the operating system command for system shutdown).*/
\<p\>\<code\>stop\</code\>\</p\>\n\<param\>\n@return Indicates whether an instance stops or terminates when you initiate shutdown
from the instance (using the operating system command for system shutdown).*/
\<p\>\<code\>stop\</code\>\</p\>\n\<param\>\n@see ShutdownBehavior*/",
  "getterMethodName": "getInstanceInitiatedShutdownBehavior",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
"marshallLocationName" : "InstanceInitiatedShutdownBehavior",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/*\p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p> <p>Default:
"<code>stop</code></p> \n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p> <p>Default: <code>stop</code>
@see ShutdownBehavior*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceInitiatedShutdownBehavior",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/\p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p> <p>Default:
"<code>stop</code></p> \n@return Returns a reference to this object so that method calls can be chained together.\n@see ShutdownBehavior*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceInitiatedShutdownBehavior",
 "variableType" : "String",
 "documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n@see ShutdownBehavior*/",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
 "c2jName" : "InstanceType",
 "c2jShape" : "InstanceType",
"deprecated": false,
"documentation": "The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide. Default: <code>m1.small</code>

"enumType": "InstanceType",
"fluentSetterDocumentation": "The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide. Default: <code>m1.small</code>

@returns Returns a reference to this object so that method calls can be chained together.

@see InstanceType*/",

"getterDocumentation": "The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide. Default: <code>m1.small</code>

@returns The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>

@see InstanceType*/",

"getterMethodName": "getInstanceType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceType",
  "uri": false
},

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceType",

"setterDocumentation": "The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide. Default: <code>m1.small</code>

@returns The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>

@see InstanceType*/"
<p>Default: <code>m1.small</code></p>
@param instanceType The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param Default: <code>m1.small</code>
@return Returns a reference to this object so that method calls can be chained together.</p>
@see InstanceType*/

"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "**\*\*"p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param Default: <code>m1.small</code>
@return Returns a reference to this object so that method calls can be chained together.</p>
@see InstanceType*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> Default: <code>m1.small</code>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6AddressCount" : {
  "c2jName" : "Ipv6AddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "**\*<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@see Ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the
range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.

```java
public class Ipv6AddressCount {
    private Integer ipv6AddressCount;

    public Ipv6AddressCount withIpv6AddressCount(Integer ipv6AddressCount) {
        this.ipv6AddressCount = ipv6AddressCount;
        return this;
    }

    public Integer getIpv6AddressCount() {
        return ipv6AddressCount;
    }

    public void setIpv6AddressCount(Integer ipv6AddressCount) {
        this.ipv6AddressCount = ipv6AddressCount;
    }
}
```

The `Ipv6AddressCount` class associates a number of IPv6 addresses with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"vargSetterDocumentation" : "/**
[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch. */
@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "ipv6AddressCount",
"variableType" : "Integer",
"documentation" : "[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Ipv6Addresses" : {
"c2jName" : "Ipv6Addresses",
"c2jShape" : "InstanceIpv6AddressList",
"deprecated" : false,
"documentation" : "[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
@param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**
[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
@param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**
[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of
instances to launch.

@return [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*/*

```json
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
  "returnType" : "java.util.List<InstanceIpv6Address>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6Address",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Ipv6Address",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceIpv6Address",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceIpv6Address",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
```
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "InstanceIpv6Address",
"variableName" : "member",
"variableType" : "InstanceIpv6Address",
"documentation" : "",
"simpleType" : "InstanceIpv6Address",
"variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "InstanceIpv6Address",
"variableName" : "member",
"variableType" : "InstanceIpv6Address",
"documentation" : "",
"simpleType" : "InstanceIpv6Address",
"variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>",
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>
[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>
@param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setIpv6Addresses(java.util.Collection)] or [@link #withIpv6Addresses(java.util.Collection)] if you want to override the existing values.</p>
@param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>",
},
"xmlNameSpaceUri" : null
},
"KernelId" : {

"c2jName": "KernelId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the kernel. <important> We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </important></p>
"enumType": null,
"fluentSetterDocumentation": "/**\<p>The ID of the kernel. <important> We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </important>\n@param kernelId The ID of the kernel. <important> We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </important>\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withKernelId",
"getterDocumentation": "/**\<p>The ID of the kernel. <important> We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </important>\n@return The ID of the kernel. <important> We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </important>\*/",
"getterMethodName": "getKernelId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "KernelId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "KernelId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**
 * The ID of the kernel.
 */

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide.

@param kernelId The ID of the kernel.

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide.

@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**
 * The ID of the kernel.
 */

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide.

@param kernelId The ID of the kernel.

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "The ID of the kernel.

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide.

@return Returns a reference to this object so that method calls can be chained together.

"xmlNameSpaceUri" : null,

"KeyName" : {
  "c2jName" : "KeyName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>.

If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair. You can create a key pair using
<a>CreateKeyPair</a> or <a>ImportKeyPair</a>. </p>
<p>** important **</p>
If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in. </p>
</important>@param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. 

** important **
If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in. 

</p><p>@return Returns a reference to this object so that method calls can be chained together. */", 
"fluentSetterMethodName" : "withKeyName", 
"getterDocumentation" : "/**<p>The name of the key pair. You can create a key pair using
<a>CreateKeyPair</a> or <a>ImportKeyPair</a>. </p>
<p>** important **</p>
If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in. </p>
</important>

@returns The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. 

** important **
If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in. 

</p>

*/", 
"getterMethodName" : "getKeyName", 
"getterModel" : { 
"returnType" : "String", 
"documentation" : null 
}, 
"http" : { 
"additionalMarshallingPath" : null, 
"additionalUnmarshallingPath" : null, 
"flattened" : false, 
"greedy" : false, 
"header" : false, 
"isPayload" : false, 
"isStreaming" : false, 
"location" : null, 
"marshallLocationName" : "KeyName", 
"queryString" : false, 
"statusCode" : false, 
"unmarshallLocationName" : "KeyName", 
"uri" : false 
}, 
"idempotencyToken" : false, 
"list" : false, 
"listModel" : null, 
"map" : false, 
"mapModel" : null, 
"name" : "KeyName", 
"setterDocumentation" : "/**<p>The name of the key pair. You can create a key pair using
<a>CreateKeyPair</a> or <a>ImportKeyPair</a>. </p>
<p>** important **</p>
If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in. </p>
</important>@param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. 

** important **
If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in. 

</p>

*/", 
"setterMethodName" : "setKeyName", 
"setterModel" : { 


The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.

The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.
<!-- Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. -->

@<p>@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withMaxCount",
"getterDocumentation" : "/**
<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.</p> 
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.</p>
@return The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.</p>

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. */

"getterMethodName" : "getMaxCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxCount",
"setterDocumentation" : "/**
<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.</p>

Constraints: Between 1 and the maximum number you're
allowed for the specified instance type. For more information about the default limits, and how to request an increase, see "<a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a>" in the Amazon EC2 FAQ.

```java
@param maxCount The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see "<a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a>" in the Amazon EC2 FAQ.*

```
"xmlNameSpaceUri" : null
},
"MinCount" : {
  "c2jName" : "MinCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@param minCount The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMinCount",
"getterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@return The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
*/",
"getterMethodName" : "getMinCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"getterMethodName" : "getMinCount",
"getterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableGetterType" : "Integer"
},
"simple" : true,
"varargGetterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a
minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no
instances.</p> Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@param minCount The minimum
number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the
target Availability Zone, Amazon EC2 launches no instances.</p> Constraints: Between 1 and the maximum
number you're allowed for the specified instance type. For more information about the default limits, and how to
request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.*/",
"setterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a
minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no
instances.</p> Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.*/",
"setterMethodName" : "setMinCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a
minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no
instances.</p> Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.*/"}
request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.

@return Returns a reference to this object so that method calls can be chained together.*"/

    
    
    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "minCount",
        "variableType" : "Integer",
        "documentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "xmlNameSpaceUri" : null
},
    "Monitoring" : {
        "c2jName" : "Monitoring",
        "c2jShape" : "Boolean",
        "deprecated" : false,
        "documentation" : "The monitoring for the instance.<p>
        "enumType" : null,
        "fluentSetterDocumentation" : "The monitoring for the instance.<p>
        "param monitoring The monitoring for the instance.<p>
        "return Returns a reference to this object so that method calls can be chained together.*"/

        "fluentSetterMethodName" : "withMonitoring",
        "getterDocumentation" : "The monitoring for the instance.<p>
        "getterMethodName" : "getMonitoring",
        "getterModel" : {
            "returnType" : "Boolean",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : "Enabled",
            "additionalUnmarshallingPath" : "enabled",
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Monitoring",
            "queryString" : false,
            "statusCode" : false,
            "variableDeclarationType" : "Integer",
            "variableName" : "minCount",
            "variableType" : "Integer",
            "documentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>",
            "simpleType" : "Integer",
            "variableSetterType" : "Integer"
        },
        "xmlNameSpaceUri" : null
    }
}
"unnmarshallLocationName" : "Monitoring",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "monitoring",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "monitoring",
"variableType" : "Boolean",
"documentation" : "<p>The monitoring for the instance.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
"c2jName" : "NetworkInterfaces",
"c2jShape" : "InstanceNetworkInterfaceSpecificationList",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**<p>One or more network interfaces.</p>
@return One or more network interfaces.*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
"returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterface",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterface",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceNetworkInterfaceSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that
method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceNetworkInterfaceSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "Item",
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
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      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"name" : "NetworkInterfaces",
"setterDocumentation" : "<p>One or more network interfaces.\n@param networkInterfaces One or more network interfaces.</p>*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>",
},
"simple" : false,
"varargSetterDocumentation" : "<p>One or more network interfaces.\n\n@NOTE: This method appends the values to the existing list (if any). Use \n@link #setNetworkInterfaces(java.util.Collection) or \n@link #withNetworkInterfaces(java.util.Collection) if you want to override the existing values.\n\n@param networkInterfaces One or more network interfaces.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "One or more network interfaces.",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>",
  "xmlNameSpaceUri" : null
},
"Placement" : {
  "c2jName" : "Placement",
  "c2jShape" : "Placement",
  "deprecated" : false,
  "documentation" : "The placement for the instance.\n\n@param placement The placement for the instance.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterDocumentation" : "<p>The placement for the instance.\n\n@return The placement for the instance.\n\n@param placement The placement for the instance.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withPlacement",
  "getterDocumentation" : "The placement for the instance.\n\n@return The placement for the instance.*/",
  "getterMethodName" : "getPlacement",
  "getterModel" : {
    "returnType" : "Placement",
    "documentation" : null
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Placement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The placement for the instance.</p>
@param placement The placement for
the instance.*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" : "Placement",
  "variableName" : "placement",
  "variableType" : "Placement",
  "documentation" : "",
  "simpleType" : "Placement",
  "variableSetterType" : "Placement"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The placement for the instance.</p>
@param placement The
placement for the instance.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "Placement",
  "variableName" : "placement",
  "variableType" : "Placement",
  "documentation" : "<p>The placement for the instance.</p>",
  "simpleType" : "Placement",
  "variableSetterType" : "Placement"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String"
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.<br>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.<br>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.
</p>

@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.<br>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.

@return Returns a reference to this object so that method calls can be chained together.*
*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**
<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.<br>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.<br>

@return [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.<br>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.*
*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PrivateIpAddress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "privateIpAddress",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>
[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.
</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p> 

@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.
</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.
*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>
[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.
</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p> 

@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.
</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.
</p> 

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "<p>
[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.
</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.
</p> 

@return Returns a reference to this object so that method calls can be chained together.
*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RamdiskId" : {
    "c2jName" : "RamdiskId",
    "c2jShape" : "String"}
We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html) in the Amazon Elastic Compute Cloud User Guide.

```typescript
/**
 * The ID of the RAM disk.
 * @param ramdiskId The ID of the RAM disk.
 * @returns Returns a reference to this object so that method calls can be chained together.
 */

withRamdiskId

getterIdempotencyToken

getterModel

returnType

documentation

http

additionalMarshallingPath

additionalUnmarshallingPath

flattened

greedy

header

isPayload

isStreaming

location

marshallLocationName

queryString

statusCode

unmarshallLocationName

uri

idempotencyToken

list

listModel

map

mapModel

name

RamdiskId
```

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"setterDocumentation" : "/** <p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */
@param ramdiskId The ID of the RAM disk.

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>*/

setterMethodName" : "setRamdiskId",
.setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "ramdiskId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
    "simple" : true,
    "varargSetterDocumentation" : "/** <p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */
@param ramdiskId The ID of the RAM disk.

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/

ivarargSetterDocumentation" : "/** <p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */
@param securityGroupIds One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
<important> Default: Amazon EC2 uses the default security group.</important>

enumType" : null,
    "fluentSetterDocumentation" : "/** <p>One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p> <p>@param securityGroupIds One or more security group IDs. You can create a security group using
    "SecurityGroupIds" : {
        "c2jName" : "SecurityGroupIds",
        "c2jShape" : "SecurityGroupIdStringList",
        "deprecated" : false,
        "documentation" : "<p>One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>
        "enumType" : null,
        "fluentSetterDocumentation" : "/** <p>One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
        <p>Default: Amazon EC2 uses the default security group.</p> <p>@param securityGroupIds One or more security group IDs. You can create a security group using
"xmlNameSpaceUri" : null
    },
"SecurityGroupIds" : {
    "c2jName" : "SecurityGroupIds",
    "c2jShape" : "SecurityGroupIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.
    <p>Default: Amazon EC2 uses the default security group.</p> <p>@param securityGroupIds One or more security group IDs. You can create a security group using
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 9351
Default: Amazon EC2 uses the default security group.

@returns

A reference to this object so that method calls can be chained together.

**Security Group IDs**

Amazon EC2 uses the default security group.

### getSecurityGroupIds()

- **Return Type**: java.util.List<String>
- **Documentation**: null

### getMember()

- **Return Type**: String
- **Documentation**: null

### createSecurityGroup()

- **Documentation**: Amazon EC2 uses the default security group. You can create a security group using `createSecurityGroup()`.

### withSecurityGroupIds...

- **Documentation**: Amazon EC2 uses the default security group. You can create a security group using `createSecurityGroup()`.

- **Getter Method**: `getSecurityGroupIds`
- **Getter Model**: java.util.List<String>
- **HTTP**: null
- **List**: true
- **Impl Type**: com.amazonaws.internal.SdkInternalList
- **Interface Type**: java.util.List
- **List Member Model**: String

### Helper Methods

- **Fluent Setter Method**: `withSecurityGroupIds`

**Additional Details**

- **Additional Marshalling Path**: null
- **Additional Unmarshalling Path**: null
- **Flattened**: false
- **Greedy**: false
- **Header**: false
- **Is Payload**: false
- **Is Streaming**: false
- **Location**: SecurityGroupId
- **Is Code**: false
- **Unmarshaller Location Name**: SecurityGroupId
- **Uri**: false
- **Idempotency Token**: false
- **List Model**: com.amazonaws.internal.SdkInternalList
- **Interface Type**: java.util.List
- **List Member Model**: String

### Fluent Setter Documentation

- **Documentation**: Amazon EC2 uses the default security group. You can create a security group using `createSecurityGroup()`.

- **Setter Method**: `withMember`
- **Setter Model**: java.util.List
- **Http**: null
- **Idempotency Token**: false
- **List**: true
- **Impl Type**: com.amazonaws.internal.SdkInternalList
- **Interface Type**: java.util.List
- **List Member Model**: String

**Additional Details**

- **Additional Marshalling Path**: null
- **Additional Unmarshalling Path**: null
- **Flattened**: false
- **Greedy**: false
- **Header**: false
- **Is Payload**: false
- **Is Streaming**: false
- **Location**: Member
- **Is Code**: false
- **Unmarshaller Location Name**: Member
- **Uri**: false
- **Idempotency Token**: false
- **List Model**: com.amazonaws.internal.SdkInternalList
- **Interface Type**: java.util.List
- **List Member Model**: String

### Fluent Setter Documentation

- **Documentation**: Amazon EC2 uses the default security group. You can create a security group using `createSecurityGroup()`.
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupIds",
"setterDocumentation" : "/**
One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.<p>
Default: Amazon EC2 uses the default security group.
*/
@param securityGroupIds One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.<p>
Default: Amazon EC2 uses the default security group.
*/
.setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.<p>
Default: Amazon EC2 uses the default security group.
<p>
NOTE: This method appends the values to the existing list (if any). Use {
@link #setSecurityGroupIds(java.util.Collection)} or {
@link #withSecurityGroupIds(java.util.Collection)} if you want to
override the existing values.<p>
@parem securityGroupIds One or more security group IDs. You can create a
security group using <a>CreateSecurityGroup</a>.<p>
Default: Amazon EC2 uses the default security group.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.<p>
Default: Amazon EC2 uses the default security group.<p>
"simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"SecurityGroups" : {
  "c2jName" : "SecurityGroups",
  "c2jShape" : "SecurityGroupStringList",
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC,
you must use security group IDs instead.<p>
Default: Amazon EC2 uses the default security group.</p>"
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/*<p>[EC2-Classic, default VPC] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.</p><p>Default: Amazon EC2 uses the default security
group.</p>\n@<param securityGroups [EC2-Classic, default VPC] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.</p><p>Default: Amazon EC2 uses the
default security group.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>[EC2-Classic, default VPC] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.</p><p>Default: Amazon EC2 uses the default security
group.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link
#setSecurityGroups(java.util.Collection)] or [ @link #withSecurityGroups(java.util.Collection)] if you want to
override the existing values.</p>\n@<param securityGroups [EC2-Classic, default VPC] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.</p><p>Default: Amazon EC2 uses the
default security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault
VPC, you must use security group IDs instead.</p><p>Default: Amazon EC2 uses the default security group.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlnsNameSpaceUri" : null
},
"SubnetId": {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>",
"enumType" : null,

"fluentSetterDocumentation" : "/**
<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
@param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",

"getterDocumentation" : "/**
<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
@return [EC2-VPC] The ID of the subnet to launch the instance into.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SubnetId",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",

"setterDocumentation" : "/**
<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
@param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetId",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>@param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserData" : {
"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
},
"enumType" : null,
"fluentSetterDocumentation" : "The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
,"getterDocumentation" : "The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
@return The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."}
Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*(/

```
"getterMethodName" : "getUserData",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserData",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UserData",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n</p>@param userData The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*/",
"setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
```
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@param userData The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ImageId", "MinCount", "MaxCount" ],
"shapeName" : "RunInstancesRequest",
"unmarshaller" : null,
"marshaller" : null,
"variable" : {
"variableDeclarationType" : "RunInstancesRequest",
"variableName" : "runInstancesRequest",
"variableType" : "RunInstancesRequest",
"documentation" : null,
"simpleType" : "RunInstancesRequest",
"variableSetterType" : "RunInstancesRequest"}
"RunInstancesResult" : {
"c2jName" : "RunInstancesResult",
"customization" : {
  "artificialResultWrapper" : {
    "wrappedMemberName" : "Reservation",
    "wrappedMemberSimpleType" : "Reservation"
  },
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "A simple result wrapper around the Reservation object that was sent over the wire.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Reservation",
  "c2jShape" : "Reservation",
  "deprecated" : false,
  "documentation" : "<p>Describes a reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>Describes a reservation.</p>@param reservation Describes a reservation.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservation",
  "getterDocumentation" : "/** <p>Describes a reservation.</p>@return Describes a reservation.</p>/",
  "getterMethodName" : "getReservation",
  "getModel" : {
    "returnType" : "Reservation",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Reservation",
  }
}];
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Reservation",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Reservation",
"setterDocumentation" : "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.*/",
"setterMethodName" : "setReservation",
"setterModel" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "reservation",
  "variableType" : "Reservation",
  "documentation" : "",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "reservation",
  "variableType" : "Reservation",
  "documentation" : "<p>Describes a reservation.</p>
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Reservation" : {
  "c2jName" : "Reservation",
  "c2jShape" : "Reservation",
  "deprecated" : false,
  "documentation" : "<p>Describes a reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Describes a reservation.</p>
  @param reservation Describes a reservation.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservation",
  "getterDocumentation" : "/**<p>Describes a reservation.</p>
  @return Describes a reservation.*/",
  "getterMethodName" : "getReservation",
  "getterModel" : {
    "returnType" : "Reservation",
    "varargSetterDocumentation" : "/**<p>Describes a reservation.</p>
  @param reservation Describes a reservation.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Reservation",
    "variableName" : "reservation",
    "variableType" : "Reservation",
    "documentation" : "<p>Describes a reservation.</p>
    "simpleType" : "Reservation",
    "variableSetterType" : "Reservation"
  },
  "xmlNameSpaceUri" : null
}}}
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Reservation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Reservation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Reservation",
"setterDocumentation" : "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.*/",
"setterMethodName" : "setReservation",
"setterModel" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "reservation",
  "variableType" : "Reservation",
  "documentation" : "",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "reservation",
  "variableType" : "Reservation",
  "documentation" : "<p>Describes a reservation.</p>",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RunInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RunInstancesResult",
  "variableName" : "runInstancesResult",
  "variableType" : "RunInstancesResult",
  "documentation" : null,
  "simpleType" : "RunInstancesResult",
  "variableSetterType" : "RunInstancesResult"
},
"wrapper" : false
},
"RunScheduledInstancesRequest" : {
  "c2jName" : "RunScheduledInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RunScheduledInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "RunScheduledInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "ClientToken",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>*/",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@return Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientToken",
  "uri" : false
},
"idempotencyToken" : true,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
"setterMethodName" : "withClientToken"}
request. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"">Ensuring Idempotency</a>.*"},
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"">Ensuring Idempotency</a>./p>\n@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"">Ensuring Idempotency</a>./p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"">Ensuring Idempotency</a>.</p> <p>Default: 1</p>*/",
    "returnType" : "Integer",
    "documentation" : null
  },
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of instances.</p> <p>Default: 1</p>*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of instances.</p> <p>Default: 1</p>\n@param instanceCount The number of instances.</p> <p>Default: 1</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceCount",
  "getterDocumentation" : "/**<p>The number of instances.</p> <p>Default: 1</p>\n@return The number of instances.</p> <p>Default: 1*/",
  "getMethodName" : "getInstanceCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceCount",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount",
"setterDocumentation": "/**\n * The number of instances.\n * Default: 1\n * @param instanceCount The number of instances.\n * Default: 1*/",
"setterMethodName": "setInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The number of instances.\n * Default: 1\n * @param instanceCount The number of instances.\n * Default: 1\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "The number of instances.\n * Default: 1",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"c2jName": "ScheduledInstanceId"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Scheduled Instance ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /*<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The
Scheduled Instance ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withScheduledInstanceId",
"getterDocumentation" : /*<p>The Scheduled Instance ID.</p>
@return The Scheduled Instance ID.*/",
"getterMethodName" : "getScheduledInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ScheduledInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ScheduledInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceId",
"setterDocumentation" : /*<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The
Scheduled Instance ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setScheduledInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "scheduledInstanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /*<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The
Scheduled Instance ID.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "scheduledInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The Scheduled Instance ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LaunchSpecification",
"c2jShape" : "ScheduledInstancesLaunchSpecification",
"deprecated" : false,
"documentation" : "<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLaunchSpecification",
"getterDocumentation" : "/**<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
@return The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.*/",
"getterMethodName" : "getLaunchSpecification",
"getModel" : {
  "returnType" : "ScheduledInstancesLaunchSpecification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LaunchSpecification",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LaunchSpecification",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchSpecification",
"setterDocumentation" : "/**<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.*/",
"setterMethodName" : "setLaunchSpecification",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstancesLaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "ScheduledInstancesLaunchSpecification",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesLaunchSpecification",
  "variableSetterType" : "ScheduledInstancesLaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstancesLaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "ScheduledInstancesLaunchSpecification",
  "documentation" : "<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
","simpleType" : "ScheduledInstancesLaunchSpecification",
  "variableSetterType" : "ScheduledInstancesLaunchSpecification"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
}
Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/
    
    "fluentSetterMethodName" : "withClientToken",
    
    "getterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.&lt;/p&gt;&lt;p&gt;\n\n@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
    
    "getterMethodName" : "getClientToken",
    
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ClientToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ClientToken",
        "uri" : false
    },
    
    "idempotencyToken" : true,
    
    "list" : false,
    
    "listModel" : null,
    
    "map" : false,
    
    "mapModel" : null,
    
    "name" : "ClientToken",
    
    "setterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.&lt;/p&gt;&lt;p&gt;\n\n@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
    
    "setterMethodName" : "setClientToken",
    
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "",
        "values" : {
            "defaultValue" : null,
            "list" : false,
            "map" : false,
            "name" : "ClientToken",
            "valuesType" : "String"
        }
    },
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "\/*\n<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>\n@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "\p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceCount" : {
"c2jName" : "InstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "\p>The number of instances.\p> Default: 1\p>*/",
"enumType" : null,
"fluentSetterDocumentation" : "\p>The number of instances.\p> Default: 1\p>\n@param instanceCount The number of instances.\p> Default: 1\p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "\p>The number of instances.\p> Default: 1\p>@return The number of instances.\p> Default: 1\p>*/",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceCount",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceCount",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount",
"setterDocumentation": "/**
 * The number of instances.
 * Default: 1
 */
@param instanceCount
The number of instances.
</p>
<p>Default: 1*
"setterMethodName": "setInstanceCount",
"setterModel": {
 "variableDeclarationType": "Integer",
 "variableName": "instanceCount",
 "variableType": "Integer",
 "documentation": "",
 "simpleType": "Integer",
 "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The number of instances.
 * Default: 1
 */
@param instanceCount
The number of instances.
</p>
<p>Default: 1
@return Returns a reference to this object so that
method calls can be chained together.*
",
"variable": {
 "variableDeclarationType": "Integer",
 "variableName": "instanceCount",
 "variableType": "Integer",
 "documentation": "",
 "simpleType": "Integer",
 "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"LaunchSpecification": {
 "c2jName": "LaunchSpecification",
 "c2jShape": "ScheduledInstancesLaunchSpecification",
 "deprecated": false,
 "documentation": "<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
"enumType": null,
 "fluentSetterDocumentation": "/**
 * The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.
 */
@param launchSpecification
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 9374
The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.

```java
@return Returns a reference to this object so that method calls can be chained together.

/**
 * The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.
 */

@NotNull
public ScheduledInstancesLaunchSpecification getLaunchSpecification() {
    return launchSpecification;
}

public void setLaunchSpecification(ScheduledInstancesLaunchSpecification launchSpecification) {
    this.launchSpecification = launchSpecification;
}
```

The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.

```java
/**
 * The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.
 */

@NotNull
public ScheduledInstancesLaunchSpecification getLaunchSpecification() {
    return launchSpecification;
}

public void setLaunchSpecification(ScheduledInstancesLaunchSpecification launchSpecification) {
    this.launchSpecification = launchSpecification;
}
```

The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.

```java
/**
 * The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.
 */

@NotNull
public ScheduledInstancesLaunchSpecification getLaunchSpecification() {
    return launchSpecification;
}

public void setLaunchSpecification(ScheduledInstancesLaunchSpecification launchSpecification) {
    this.launchSpecification = launchSpecification;
}
```
Availability Zone, network, and platform of the schedule that you purchased.

@param launchSpecification
The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.

@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "ScheduledInstancesLaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "ScheduledInstancesLaunchSpecification",
  "documentation" : "The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased."",
  "simpleType" : "ScheduledInstancesLaunchSpecification",
  "variableSetterType" : "ScheduledInstancesLaunchSpecification"
},
"xmlNameSpaceUri" : null
},
"ScheduledInstanceId" : {
  "c2jName" : "ScheduledInstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The Scheduled Instance ID.

@param scheduledInstanceId The Scheduled Instance ID.

@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterDocumentation" : "The Scheduled Instance ID.

@return The Scheduled Instance ID.*",
"fluentSetterMethodName" : "withScheduledInstanceId",
"getterDocumentation" : "The Scheduled Instance ID.

@return The Scheduled Instance ID.*",
"getterMethodname" : "getScheduledInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ScheduledInstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ScheduledInstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
**The Scheduled Instance ID.**

```java
/**
 * The Scheduled Instance ID.
 * @param scheduledInstanceId The Scheduled Instance ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
/**
 * The Scheduled Instance ID.
 * @param scheduledInstanceId The Scheduled Instance ID.
 */
```

```java
/**
 * The Scheduled Instance ID.
 * @param scheduledInstanceId The Scheduled Instance ID.
 */
```
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
\* Returns a reference to this object so that
\* method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n\* @return Returns a reference to this object so that
\* method calls can be chained together.*/",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n\* @param member \n\* @return Returns a reference to this object so that
\* method calls can be chained together.*/",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*\n*/",  
"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "member",  
  "variableType" : "String",  
  "documentation" : "",  
  "simpleType" : "String",  
  "variableSetterType" : "String"  
},  
"xmlNameSpaceUri" : null  
},  
"memberLocationName" : "item",  
"memberType" : "String",  
"map" : false,  
"marshallNonAutoConstructedEmptyLists" : false,  
"memberAdditionalMarshallingPath" : null,  
"memberAdditionalUnmarshallingPath" : null,  
"sendEmptyQueryString" : false,  
"simple" : true,  
"simpleType" : "String",  
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",  
"templateType" : "java.util.List<String>",  
"map" : false,  
"mapModel" : null,  
"name" : "InstanceIdSet",  
"setterDocumentation" : "/**<p>The IDs of the newly launched instances.</p>
@param instanceIdSet The IDs of the newly launched instances.*\n*/",  
"setterMethodName" : "setInstanceIdSet",  
"setterModel" : {  
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",  
  "variableName" : "instanceIdSet",  
  "variableType" : "java.util.List<String>",  
  "documentation" : "",  
  "simpleType" : "List<String>",  
  "variableSetterType" : "java.util.Collection<String>"  
},  
"simple" : false,  
"varargSetterDocumentation" : "/**<p>The IDs of the newly launched instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setInstanceIdSet(java.util.Collection)\} or \{@link #withInstanceIdSet(java.util.Collection)\} if you want to override the existing values.</p>

@param instanceIdSet The IDs of the newly launched instances.*\n*/",  
"variable" : {  
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",  
  "variableName" : "instanceIdSet",  
  "variableType" : "java.util.List<String>",  
  "variableSetterType" : "java.util.Collection<String>"  
}
"documentation" : "<p>The IDs of the newly launched instances.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
"InstanceIdSet" : {
"c2jName" : "InstanceIdSet",
"c2jShape" : "InstanceIdSet",
"deprecated" : false,
"documentation" : "<p>The IDs of the newly launched instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the newly launched instances.</p>
@param instanceIdSet
The IDs of the newly launched instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceIdSet",
"getterDocumentation" : "/**<p>The IDs of the newly launched instances.</p>
@return The IDs of the newly launched instances.*/",
"getterMethodName" : "getInstanceIdSet",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceIdSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceIdSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"simpleType": "String",
"variableSetterType": "String"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIdSet",
"setterDocumentation" : "/**\n\nThe IDs of the newly launched instances.\n*/
@\n\n@param instanceIdSet The IDs of the newly launched instances.*/",
"setterMethodName" : "setInstanceIdSet",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\nThe IDs of the newly launched instances.\n*/

@\n\nNOTE:\nThis method appends the values to the existing list (if any). Use \n\n@link #setInstanceIdSet(java.util.Collection) or \n\n@link #withInstanceIdSet(java.util.Collection) if you want to override the existing values.\n
@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "The IDs of the newly launched instances.*/",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RunScheduledInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RunScheduledInstancesResult",
  "variableName" : "runScheduledInstancesResult",
  "variableType" : "RunScheduledInstancesResult",
  "documentation" : null,
  "simpleType" : "RunScheduledInstancesResult",
  "variableSetterType" : "RunScheduledInstancesResult"
},
"wrapper" : false
},
"S3Storage" : {
  "c2jName" : "S3Storage",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the storage parameters for S3 and S3 buckets for an instance store-backed AMI.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "Bucket",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The bucket in which to store the AMI. You can specify a bucket that you already own or
a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
someone else, Amazon EC2 returns an error.</p>"
  ],
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you
already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to
"}
someone else, Amazon EC2 returns an error.</p>

@param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>

@return Returns a reference to this object so that method calls can be chained together.*"/

    "fluentSetterMethodName" : "withBucket",
    "getterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>

    @return The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*"/

    "getterMethodName" : "getBucket",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Bucket",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "bucket",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Bucket",
    "setterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>

    @param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*"/

    "setterMethodName" : "setBucket",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "bucket",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String"
/* The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "bucket",
  "variableType" : "String",
  "documentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error."
},
"xmlNameSpaceUri" : null,
"c2jName" : "Prefix",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The beginning of the file name of the AMI."
,"enumType" : null,
"fluentSetterDocumentation" : "The beginning of the file name of the AMI. Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withPrefix",
"getterDocumentation" : "The beginning of the file name of the AMI.

"getterMethodName" : "getPrefix",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Prefix",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefix",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Prefix",
"setterDocumentation" : "/**\n<p>The beginning of the file name of the AMI.</p>\n@param prefix The beginning of the file name of the AMI.*/",
"setterMethodName" : "setPrefix",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The beginning of the file name of the AMI.</p>\n@param prefix The beginning of the file name of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "\p>The beginning of the file name of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "AWSAccessKeyId",
  "c2jShape" : "String",
  "deprecated" : false,
  "enumType" : null,
\n@return Returns a reference to this object so that method calls can be chained together.*/"
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@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withAWSAccessKeyId",
"getterMethodName" : "getAWSAccessKeyId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AWSAccessKeyId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AWSAccessKeyId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AWSAccessKeyId",
"setterMethodName" : "setAWSAccessKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "aAWSAccessKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**\n * The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in \n * href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html" Best Practices for
 * Managing AWS Access Keys</a>.\n * @param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your
 * access key ID, review and follow the guidance in \n * href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html" Best Practices for
 * Managing AWS Access Keys</a>.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "aWSAccessKeyId",
  "variableType" : "String",
  @param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in <a href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html">Best Practices for Managing AWS Access Keys</a>.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "UploadPolicy",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
  @param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUploadPolicy",
  "getterDocumentation" : "<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
  @return An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getUploadPolicy",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadPolicy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "uploadPolicy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicy",
"setterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload
items into Amazon S3 on your behalf.</p>@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/",
"setterMethodName" : "setUploadPolicy",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "uploadPolicy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "uploadPolicy",
"variableType" : "String",
"documentation" : "<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UploadPolicySignature",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The signature of the JSON document.</p>",
"enumType" : null,
"fluentSetterDocumentation": "/**<p>The signature of the JSON document.</p>
@param uploadPolicySignature The signature of the JSON document.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUploadPolicySignature",
"getterDocumentation": "/**<p>The signature of the JSON document.</p>
@return The signature of the JSON document.*/",
"getterMethodName": "getUploadPolicySignature",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UploadPolicySignature",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "uploadPolicySignature",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UploadPolicySignature",
"setterDocumentation": "/**<p>The signature of the JSON document.</p>
@param uploadPolicySignature The signature of the JSON document.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setUploadPolicySignature",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "uploadPolicySignature",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The signature of the JSON document.</p>
@param uploadPolicySignature The signature of the JSON document.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"..."
"variableDeclarationType" : "String",
"variableName" : "uploadPolicySignature",
"variableType" : "String",
"documentation" : "The signature of the JSON document.",
"simpleType" : "String",
"variableSetterType" : "String"
}
],
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"AWSAccessKeyId" : {
"c2jName" : "AWSAccessKeyId",
"c2jShape" : "String",
"deprecated" : false,
"enumType" : null,
"fluentSetterMethodName" : "withAWSAccessKeyId",
"getterMethodName" : "getAWSAccessKeyId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AWSAccessKeyId",
"marshalLocationName" : null,
"name" : "AWSAccessKeyId",
"paramName" : "AWSAccessKeyId",
"simpleType" : false,
"targetClass" : null,
"targetModel" : {
"isModelClass" : false,
"isModelList" : false,
"isTargetOf CoronaObjects : false,
"isTargetOf enums : false,
"isTargetOf functions : false,
"isTargetOf services : false,
"isTargetOf variables : false,
"isTypeArray" : false,
"isTypeList" : false,
"isTypeObject" : true,
"isTypeOption" : false,
"isTypeUnion" : false,
"type" : "string",
"xmlNameSpaceUri" : null,
"xmlNameSpaceUriAsMap" : {
 } ]
} ];

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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AWSAccessKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AWSAccessKeyId",
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in <a href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html">Best Practices for Managing AWS Access Keys</a>.*/",
"setterMethodName" : "setAWSAccessKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "aWSAccessKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in <a href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html">Best Practices for Managing AWS Access Keys</a>.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "aWSAccessKeyId",
  "variableType" : "String",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Bucket" : {

"c2jName" : "Bucket",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error."",
"enumType" : null,
"fluentSetterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error."",
"fluentSetterMethodName" : "withBucket",
"getterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error."",
"getterMethodName" : "getBucket",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Bucket",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "bucket",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Bucket",
"setterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error."",
"setterMethodName" : "setBucket"
specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.

```json
"setterMethodName" : "setBucket",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "bucket",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/p The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/p @param prefix The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/p",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "bucket",
    "variableType" : "String",
    "documentation" : "The beginning of the file name of the AMI.
    @return The beginning of the file name of the AMI.
    @param prefix The beginning of the file name of the AMI.
    @return The beginning of the file name of the AMI.
    @method getPrefix"
},
"xmlNameSpaceUri" : null
}
"Prefix" : {
    "c2jName" : "Prefix",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The beginning of the file name of the AMI.
    @return The beginning of the file name of the AMI.
    @param prefix The beginning of the file name of the AMI.
    @return The beginning of the file name of the AMI.
    @method getPrefix"
},
"http" : {
    "method" : "post",
    "path" : "v2/metadata
    @return Returns a reference to this object so that method calls can be chained together.
    @param prefix The beginning of the file name of the AMI.
    @return Returns a reference to this object so that method calls can be chained together.
    @method getPrefix"
}
```

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---
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"additionalUnmarshallingPath" : null,
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"map" : false,
"mapModel" : null,
"name" : "Prefix",
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@param prefix The beginning of the file name of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrefix",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The beginning of the file name of the AMI.

@param prefix The beginning of the file name of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The beginning of the file name of the AMI.</p>
  "simpleType" : "String",
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  "c2jShape" : "String",
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"documentation" : "<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>",
"enumType" : null,
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"fluentSetterMethodName" : "withUploadPolicy",
"getterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@return An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "uploadPolicy",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicy",
"setterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p><p>@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "variableName" : "uploadPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"
}
"variableSetterType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/*<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "String",
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  "documentation" : "<p>The signature of the JSON document.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The signature of the JSON document.</p>@param uploadPolicySignature The signature of the JSON document.@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterMethodName" : "getUploadPolicySignature",
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    "documentation" : null
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    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
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"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The signature of the JSON document.</p>
@param uploadPolicySignature
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"setterMethodName" : "setUploadPolicySignature",
"setterModel" : {
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    "variableName" : "uploadPolicySignature",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The signature of the JSON document.</p>
@param uploadPolicySignature
the signature of the JSON document.
@return Returns a reference to this object so that
method calls can be chained together.*/",
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    "variableName" : "uploadPolicySignature",
    "variableType" : "String",
    "documentation" : "<p>The signature of the JSON document.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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    "variableType" : "S3Storage",
    "documentation" : null,
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"variableSetterType" : "S3Storage",
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"wrapper" : false
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"ScheduledInstance" : {
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"customization" : {
"artificialResultWrapper" : null,
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"deprecated" : false,
"documentation" : "<p>Describes a Scheduled Instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
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"deprecated" : false,
"documentation" : "<p>The Scheduled Instance ID.</p>",
"enumType" : null,
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@param scheduledInstanceId The Scheduled Instance ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withScheduledInstanceId",
"getterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@return The Scheduled Instance ID.*/",
"getterMethodName" : "getScheduledInstanceId",
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"returnType" : "String",
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"header" : false,
"isPayload" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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@param scheduledInstanceId The Scheduled Instance ID.*/

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  "documentation" : "",
  "simpleType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The Scheduled Instance ID.\n@return Returns a reference to this object so that method calls can be chained together.*/

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  "documentation" : "<p>The Scheduled Instance ID.</p>",
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"enumType" : null,
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@param instanceType The instance type.\n@return Returns a reference to this object so that method calls can be chained together.*/

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"getterDocumentation" : "<p>The instance type.</p>
@return \n@return The instance type.*/",
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@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
<code>Windows</code>.

**@param platform**

The platform (<code>Linux/UNIX</code> or <code>Windows</code>).

**@return**

Returns a reference to this object so that method calls can be chained together.

```java
/**
 * The platform (<code>Linux/UNIX</code> or <code>Windows</code>).
 *
 * @param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>).
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
variable" : {
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"xmlNameSpaceUri" : null
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"documentation" : "The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).",
"enumType" : null,
"fluentSetterDocumentation" : "The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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```
"greedy" : false,
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"statusCode" : false,
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"list" : false,
"listModel" : null,
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@param availabilityZone The Availability Zone.</\n@returns {AvailabilityZone}*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.\n@returns {AvailabilityZone}*/",
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  "documentation" : "<p>The Availability Zone.</p>",
  "simpleType" : "String",
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"c2jShape" : "Integer",
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"documentation" : "<p>The number of hours in the schedule.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.\n@returns {SlotDurationInHours}*/"}
method calls can be chained together.*/",
   "fluentSetterMethodName" : "withSlotDurationInHours",
   "getterDocumentation" : "/**\n<p>The number of hours in the schedule.</p>
@return The number of hours in the schedule.*/",
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      "documentation" : null
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   "setterDocumentation" : "/**\n<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
   "setterMethodName" : "setSlotDurationInHours",
   "setterModel" : {
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      "variableType" : "Integer",
      "documentation" : "",
      "simpleType" : "Integer",
      "variableSetterType" : "Integer"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**\n<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "Integer",
"documentation" : "<p>The number of hours in the schedule.</p>",
"simpleType" : "Integer",
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"xmlNameSpaceUri" : null
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"c2jShape" : "ScheduledInstanceRecurrence",
"deprecated" : false,
"documentation" : "<p>The schedule recurrence.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withRecurrence",
"getterDocumentation" : "/**<p>The schedule recurrence.</p>
@return The schedule recurrence. */",
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"getterModel" : {
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  "documentation" : null
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"mapModel" : null,
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@param recurrence The schedule recurrence.
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  "variableName" : "recurrence"}
"variableType" : "ScheduledInstanceRecurrence",
"documentation" : "",
"simpleType" : "ScheduledInstanceRecurrence",
"variableSetterType" : "ScheduledInstanceRecurrence"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "ScheduledInstanceRecurrence",
"documentation" : "The schedule recurrence.",
"simpleType" : "ScheduledInstanceRecurrence",
"variableSetterType" : "ScheduledInstanceRecurrence"
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"xmlNameSpaceUri" : null
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"c2jName" : "PreviousSlotEndTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time that the previous schedule ended or will end.",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The time that the previous schedule ended or will end.</p>
@param previousSlotEndTime The time that the previous schedule ended or will end.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPreviousSlotEndTime",
"getterDocumentation" : "/** <p>The time that the previous schedule ended or will end.</p>
@return The time that the previous schedule ended or will end.*/",
"getterMethodName" : "getPreviousSlotEndTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PreviousSlotEndTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "previousSlotEndTime",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PreviousSlotEndTime",
"setterDocumentation" : "/**<p>The time that the previous schedule ended or will end.</p><param name="previousSlotEndTime">The time that the previous schedule ended or will end.</param>*/",
"setterMethodName" : "setPreviousSlotEndTime",
"setterModel" : {
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  "variableName" : "previousSlotEndTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time that the previous schedule ended or will end.</p><param name="previousSlotEndTime">The time that the previous schedule ended or will end.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withPreviousSlotEndTime",
"getterDocumentation" : "/**<p>The time that the previous schedule ended or will end.</p><param name="previousSlotEndTime">The time that the previous schedule ended or will end.</param>*/",
"getterMethodName" : "getPreviousSlotEndTime",
"getterModel" : {
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  "documentation" : null
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextSlotStartTime",
"setterDocumentation": "/**<p>The time for the next schedule to start.</p>
@param nextSlotStartTime The time for the next schedule to start.*/",
"setterMethodName": "setNextSlotStartTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "nextSlotStartTime",
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  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time for the next schedule to start.</p>
@param nextSlotStartTime The time for the next schedule to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "nextSlotStartTime",
  "variableType": "java.util.Date",
  "documentation": ""<p>The time for the next schedule to start.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
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"xmlNameSpaceUri": null
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"c2jShape": "String"
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"documentation" : "<p>The hourly price for a single instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The hourly price for a single instance.</p>@param hourlyPrice The hourly price for a single instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHourlyPrice",
"getterDocumentation" : "/**<p>The hourly price for a single instance.</p>@return The hourly price for a single instance.*/",
"getterMethodName" : "getHourlyPrice",
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"name" : "HourlyPrice",
"setterDocumentation" : "/**<p>The hourly price for a single instance.</p>@param hourlyPrice The hourly price for a single instance.*/",
"setterMethodName" : "setHourlyPrice",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The hourly price for a single instance.</p>@param hourlyPrice The
hourly price for a single instance.

@return Returns a reference to this object so that method calls can be chained together.*/

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        "simpleType" : "String",
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    "xmlNameSpaceUri" : null
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The total number of hours for a single instance for the entire term.</p>

@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.

@return Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>

@return The total number of hours for a single instance for the entire term.*/",
    "getterDocumentation" : "<p>The total number of hours for a single instance for the entire term.</p>

@return The total number of hours for a single instance for the entire term.*/",
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        "documentation" : null
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        "greedy" : false,
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        "statusCode" : false,
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"map": false,
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"name": "InstanceCount",
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  "variableType": "Integer",
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  "documentation": "<p>The number of instances.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
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"simpleType": "Integer",
"variableSetterType": "Integer"
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"xmlNameSpaceUri": null
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"returnType" : "java.util.Date",  
"documentation" : null  
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"greedy" : false,  
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"isStreaming" : false,  
"location" : null,  
"marshallLocationName" : "TermStartDate",  
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"statusCode" : false,  
"unmarshallLocationName" : "termStartDate",  
"uri" : false  
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"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "TermStartDate",  
"setterDocumentation" : "/**<p>The start date for the Scheduled Instance.</p>
@param termStartDate The start date for the Scheduled Instance.*/",  
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"setterModel" : {  
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"documentation" : ","  
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@return Returns a reference to this object so that method calls can be chained together.*/",  
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"simpleType" : "Date"
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The end date for the Scheduled Instance.

The end date for the Scheduled Instance:

```
/**<p>The end date for the Scheduled Instance.</p>
@param termEndDate The end date for the Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.*/
```

```
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"documentation" : "<p>The date when the Scheduled Instance was purchased.</p>",
"enumType" : null,
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@param createDate The date when the Scheduled Instance was purchased.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"mapModel": null,
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 * @param createDate The date when the Scheduled Instance was purchased.
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  "simpleType": "Date",
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},
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The Availability Zone.
",
    "enumType": null,
    "fluencerSetterDocumentation": "/**\n * The Availability Zone.
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 * @return Returns a reference to this object so that method calls can be chained together.
 */",
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 * @return The Availability Zone.
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    "getterMethodName": "getAvailabilityZone",
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      "documentation": null
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//\n@param createDate The date when the Scheduled Instance was purchased.
//\n@return Returns a reference to this object so that method calls can be chained together.
"/",
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//\n@return The date when the Scheduled Instance was purchased.
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//\n@return Returns a reference to this object so that method calls can be chained together.
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createDate The date when the Scheduled Instance was purchased.

@return Returns a reference to this object so that method calls can be chained together. */

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@override
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@return Returns a reference to this object so that method calls can be chained together. */",
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  "getterDocumentation" : "/**<p>The hourly price for a single instance.</p>
@return The hourly price for a single instance.*/",
  "getterMethodName" : "getHourlyPrice",
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**\n * The number of instances.
 * @param \n * @return The number of instances.*/",
"getterMethodName": "getInstanceCount",
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  "enumType" : null,
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    "variableType" : "String",
    "documentation" : "The instance type.",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
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  "documentation" : "<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
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  "getterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
  @return Returns a reference to this object so that method calls can be chained together.*="/",
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  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkPlatform",
  "setterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
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  "setterModel" : {
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  }
}
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/*<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).<p>}</n@return Returns a reference to this object so that method calls can be chained together.*/

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"variableSetterType" : "String"
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"NextSlotStartTime" : {
"c2jName" : "NextSlotStartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time for the next schedule to start.</p>
@param nextSlotStartTime The time for the next schedule to start.<p>}</n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterDocumentation" : "/*<p>The time for the next schedule to start.</p>
@param nextSlotStartTime The time for the next schedule to start.<p>}</n@return The time for the next schedule to start.</p>

"getterMethodName" : "getNextSlotStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextSlotStartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextSlotStartTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextSlotStartTime",
"setterDocumentation" : "/*<p>The time for the next schedule to start.</p>*/
@param nextSlotStartTime The time for the next schedule to start.*"",
"setterMethodName" : "setNextSlotStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "nextSlotStartTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The time for the next schedule to start.</p>*/
@param nextSlotStartTime The time for the next schedule to start.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "nextSlotStartTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time for the next schedule to start.</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Platform" : {
  "c2jName" : "Platform",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>"",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>). The platform (<code>Linux/UNIX</code> or <code>Windows</code>). Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withPlatform",
  "getterDocumentation" : "/*<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>*/
  "@param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>). Returns a reference to this object so that method calls can be chained together.*""}
**<?>>

"getterMethodName" : "getPlatform",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "<?><p>The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).@param platform The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).@return Returns a reference to this object so that method calls can be chained
together.*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<?><p>The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).@param platform The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String"
"variableDeclarationType" : "java.util.Date",
"variableName" : "previousSlotEndTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The time that the previous schedule ended or will end.</p>
@param previousSlotEndTime The time that the previous schedule ended or will end.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "previousSlotEndTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time that the previous schedule ended or will end.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Recurrence" : {
"c2jName" : "Recurrence",
"c2jShape" : "ScheduledInstanceRecurrence",
"deprecated" : false,
"documentation" : "<p>The schedule recurrence.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withRecurrence",
"getterDocumentation" : "/** <p>The schedule recurrence.</p>
@return The schedule recurrence. */",
"getterMethodName" : "getRecurrence",
"getterModel" : {
"returnType" : "ScheduledInstanceRecurrence",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Recurrence",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "recurrence",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Recurrence",
"setterDocumentation" : "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.*\*/",
"setterMethodName" : "setRecurrence",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstanceRecurrence",
"variableName" : "recurrence",
"variableType" : "ScheduledInstanceRecurrence",
"documentation" : "",
"simpleType" : "ScheduledInstanceRecurrence",
"variableSetterType" : "ScheduledInstanceRecurrence"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "ScheduledInstanceRecurrence",
"variableName" : "recurrence",
"variableType" : "ScheduledInstanceRecurrence",
"documentation" : "The schedule recurrence.\n\n@return The Scheduled Instance ID.\n\n@return Returns a reference to this object so that method calls can be chained together.*\"",
"xmlNameSpaceUri" : null
},
"ScheduledInstanceId" : {
"c2jName" : "ScheduledInstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The Scheduled Instance ID.\n\n@return The Scheduled Instance ID.\n\n@return Returns a reference to this object so that method calls can be chained together.*\"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The Scheduled Instance ID.\n\n@return Returns a reference to this object so that method calls can be chained together.*\"",
"fluentSetterMethodName" : "withScheduledInstanceId",
"getterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The Scheduled Instance ID.\n\n@return The Scheduled Instance ID.*\"",
"getterMethodName" : "getScheduledInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ScheduledInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "scheduledInstanceId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceId",
"setterDocumentation" : "/**\n<p>The Scheduled Instance ID.</p>\n@see \n\n@throws \n\n@returnsfade

The Scheduled Instance ID.*/",
"setterMethodName" : "setScheduledInstanceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "scheduledInstanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Scheduled Instance ID.</p>\n@see \n\n@returns\n
The Scheduled Instance ID.\n\n@returns\n
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "scheduledInstanceId",
    "variableType" : "String",
    "documentation" : "<p>The Scheduled Instance ID.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SlotDurationInHours" : {
    "c2jName" : "SlotDurationInHours",
    "c2jShape" : "Integer"}
"deprecated" : false,
"documentation" : "The number of hours in the schedule.",
"enumType" : null,
"fluentSetterDocumentation" : "The number of hours in the schedule.
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.
/**
* fluentSetterMethodName" : "withSlotDurationInHours",
"getterDocumentation" : "The number of hours in the schedule.
@return The number of hours in the schedule.
/**
"getterMethodName" : "getSlotDurationInHours",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SlotDurationInHours",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "slotDurationInHours",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SlotDurationInHours",
"setterDocumentation" : "The number of hours in the schedule.
@param slotDurationInHours The number of hours in the schedule.
/**
* setterMethodName" : "setSlotDurationInHours",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "slotDurationInHours",
"variableType" : "Integer",
"documentation" : ",
"simpleType" : "Integer",
"variableSetterType" : "Integer",
"simple" : true,
"varargSetterDocumentation" : "The number of hours in the schedule.
/**
* varargSetterMethodName" : "withSlotDurationInHours",
"varargSetterParameterType" : "SlotDurationInHours",
"varargSetterReturnModel" : null,
"varargSetterSimple" : true,
"varargSetterVararg" : false,
slotDurationInHours The number of hours in the schedule.

@returns Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "slotDurationInHours",
    "variableType" : "Integer",
    "documentation" : "<p>The number of hours in the schedule.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"TermEndDate" : {
    "c2jName" : "TermEndDate",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>The end date for the Scheduled Instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The end date for the Scheduled Instance.</p>
@param termEndDate
The end date for the Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withTermEndDate",
"getterDocumentation" : "/**<p>The end date for the Scheduled Instance.</p>
@return The end date for the Scheduled Instance.*"/

"getMethod Name" : "getTermEndDate",
"getModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TermEndDate",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "termEndDate",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TermEndDate",
"setterDocumentation" : "/**\n@\n<p>The end date for the Scheduled Instance.</p>\n@param termEndDate The end date for the Scheduled Instance.*/",
"setterMethodName" : "setTermEndDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "termEndDate",
  "variableType" : "java.util.Date",
  "documentation" : null,
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n<p>The end date for the Scheduled Instance.</p>\n@param termEndDate The end date for the Scheduled Instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "termEndDate",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The end date for the Scheduled Instance.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"TermStartDate" : {
  "c2jName" : "TermStartDate",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The start date for the Scheduled Instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@\n<p>The start date for the Scheduled Instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTermStartDate",
  "getterDocumentation" : "/**\n@\n<p>The start date for the Scheduled Instance.</p>\n@return The start date for the Scheduled Instance.*/",
  "getterMethodName" : "getTermStartDate",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TermStartDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "termStartDate",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TermStartDate",
"setterDocumentation" : "// The start date for the Scheduled Instance.<p>@param termStartDate The start date for the Scheduled Instance.</p><p>
@<p>setterMethodName" : "setTermStartDate",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "termStartDate",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "// The start date for the Scheduled Instance.<p>@param termStartDate The start date for the Scheduled Instance.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "termStartDate",
"variableType" : "java.util.Date",
"documentation" : "<p>The start date for the Scheduled Instance.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
"TotalScheduledInstanceHours" : {
"c2jName" : "TotalScheduledInstanceHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
"enumType" : null,
**fluentSetterDocumentation** : 

```java
/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
@return Returns a reference to this object so that method calls can be chained together.*
*/
```

**fluentSetterMethodName** : "withTotalScheduledInstanceHours",

**getterDocumentation** : 

```java
/**<p>The total number of hours for a single instance for the entire term.</p>
@return The total number of hours for a single instance for the entire term.*/
```

**getterMethodName** : "getTotalScheduledInstanceHours",

**getterModel** : {
  "returnType" : "Integer",
  "documentation" : null
},

**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TotalScheduledInstanceHours",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "totalScheduledInstanceHours",
  "uri" : false
},

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "TotalScheduledInstanceHours",

**setterDocumentation** : 

```java
/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
@return Returns a reference to this object so that method calls can be chained together.*
*/
```

**setterMethodName** : "setTotalScheduledInstanceHours",

**setterModel** : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalScheduledInstanceHours",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

**simple** : true,

**varargSetterDocumentation** : 

```java
/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
@return Returns a reference to this object so that method calls can be chained together.*
*/
```

---

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"variable": {
    "variableDeclarationType": "Integer",
    "variableName": "totalScheduledInstanceHours",
    "variableType": "Integer",
    "documentation": "\p> The total number of hours for a single instance for the entire term.\p>",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ScheduledInstance",
"unmarshaller": {
    "flattened": false,
    "resultWrapper": null
},
"variable": {
    "variableDeclarationType": "ScheduledInstance",
    "variableName": "scheduledInstance",
    "variableType": "ScheduledInstance",
    "documentation": null,
    "simpleType": "ScheduledInstance",
    "variableSetterType": "ScheduledInstance"
},
"wrapper": false
},
"ScheduledInstanceAvailability": {
    "c2jName": "ScheduledInstanceAvailability",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "\p> Describes a schedule that is available for your Scheduled Instances.\p>",
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
    "hasStreamingMember": false,
    "marshaller": null,
    "members": [
        {
            "c2jName": "InstanceType",..."variable": {
    "variableDeclarationType": "Integer",
    "variableName": "totalScheduledInstanceHours",
    "variableType": "Integer",
    "documentation": "\p> The total number of hours for a single instance for the entire term.\p>",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ScheduledInstance",
"unmarshaller": {
    "flattened": false,
    "resultWrapper": null
},
"variable": {
    "variableDeclarationType": "ScheduledInstance",
    "variableName": "scheduledInstance",
    "variableType": "ScheduledInstance",
    "documentation": null,
    "simpleType": "ScheduledInstance",
    "variableSetterType": "ScheduledInstance"
},
"wrapper": false
},
"ScheduledInstanceAvailability": {
    "c2jName": "ScheduledInstanceAvailability",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "\p> Describes a schedule that is available for your Scheduled Instances.\p>",
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
    "hasStreamingMember": false,
    "marshaller": null,
    "members": [
        {
            "c2jName": "InstanceType",...
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance type. You can specify one of the C3, C4, M4, or R3 instance types.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The instance type. You can specify one of the C3, C4, M4, or R3
instance types.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The instance type. You can specify one of the C3, C4, M4, or R3 instance
types.</p>
@return The instance type.</param>",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type. You can specify one of the C3, C4, M4, or R3 instance
types.</p>
@param instanceType The instance type.
@return A reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple": true,
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instance types.\n*/
\n@param instanceType The instance type. You can specify one of the C3, C4, M4, or R3
instance types.
\n@return Returns a reference to this object so that method calls can be chained together.*\n",
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  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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"documentation" : "<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>",

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together.*/",
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"name": "NetworkPlatform",
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The Availability Zone.*",
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 "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The purchase token. This token expires in two hours.</p>
@return The purchase token. This token expires in two hours.*/",
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  "c2jShape": "Integer",
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  "documentation": "<p>The number of hours in the schedule.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation": "/**<p>The number of hours in the schedule.</p>
@return The number of hours in the schedule.*/",
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@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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"enumType" : null,
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@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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/**<p>The schedule recurrence.</p>
@return The schedule recurrence.*/
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@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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"enumType" : null,
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@param hourlyPrice The hourly price for a single instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The hourly price for a single instance.*/",
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"c2jShape": "Integer",
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"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The total number of hours for a single instance for the entire term.</p>\n@\n@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "documentation": null
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"variableSetterType" : "Integer"
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"documentation" : "The total number of hours for a single instance for the entire term.",
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"c2jName" : "AvailableInstanceCount",
"c2jShape" : "Integer",
The number of available instances.

```java
/**
 * The number of available instances.
 * @param availableInstanceCount The number of available instances.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

```

```java
// Additional properties
```

```java
/**
 * The number of available instances.
 * @return The number of available instances.
 */

```

```java

```

```java

```

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/**
 * The number of available instances.
 * @param availableInstanceCount The number of available instances.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The number of available instances.
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 * @return Returns a reference to this object so that method calls can be chained together.
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```java
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```

```java
/**
 * The number of available instances.
 * @param availableInstanceCount The number of available instances.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

```

```java
// Additional properties
```

```java
/**
 * The number of available instances.
 * @param availableInstanceCount The number of available instances.
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 */

```

```java
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```

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```

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// Additional properties
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 * @param availableInstanceCount The number of available instances.
 * @return Returns a reference to this object so that method calls can be chained together.
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```

```java
// Additional properties
```

```java
/**
 * The number of available instances.
 * @param availableInstanceCount The number of available instances.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

```

```java
// Additional properties
```
availableInstanceCount The number of available instances.

@returns Returns a reference to this object so that method calls can be chained together."/>

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availableInstanceCount The number of available instances.

@returns Returns a reference to this object so that method calls can be chained together.

The number of available instances.

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The number of available instances.
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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"varargSetterDocumentation" : "/**\n<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).\n@returns{array} Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).\n<\p>
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"Platform" : {
"c2jName" : "Platform",
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"deprecated" : false,
"documentation" : "The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n@param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**\n<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n@return The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n<\p>
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"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"simpleType" : "String",
"variableSetterType" : "String"
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"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "**The platform (**<code>Linux/UNIX</code> or <code>Windows</code>).**
@param platform The platform (**<code>Linux/UNIX</code> or <code>Windows</code>).*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "**The platform (**<code>Linux/UNIX</code> or <code>Windows</code>).**
@param platform The platform (**<code>Linux/UNIX</code> or <code>Windows</code>).**
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The platform (**<code>Linux/UNIX</code> or <code>Windows</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"PurchaseToken" : {
  "c2jName" : "PurchaseToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The purchase token. This token expires in two hours.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"getterDocumentation" : "/**\p>The purchase token. This token expires in two hours.\p*/\n@return The purchase token. This token expires in two hours. */",
"getterMethodName" : "getPurchaseToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
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"mapModel" : null,
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\p>The purchase token. This token expires in two hours.\p*/\n@param purchaseToken The purchase token. This token expires in two hours.\n@return Returns a reference to this object so that method calls can be chained together. */",
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"documentation": "",
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"variableSetterType": "ScheduledInstanceRecurrence"
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"simple": false,
"varargSetterDocumentation": "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableType": "ScheduledInstanceRecurrence",
"documentation": "<p>The schedule recurrence.</p>",
"simpleType": "ScheduledInstanceRecurrence",
"variableSetterType": "ScheduledInstanceRecurrence"
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"xmlNameSpaceUri": null
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"SlotDurationInHours": {
"c2jName": "SlotDurationInHours",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The number of hours in the schedule."
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"enumType": null,
"fluentSetterDocumentation": "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSlotDurationInHours",
"getterDocumentation": "/**<p>The number of hours in the schedule.</p>
@return The number of hours in the schedule.*/",
"getterMethodName": "getSlotDurationInHours",
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"documentation": null
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"name": "SlotDurationInHours",
"setterDocumentation": "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.*/",
"setterMethodName": "setSlotDurationInHours",
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"variableSetterType": "Integer"
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"simple": true,
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@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "Integer",
"documentation": "<p>The number of hours in the schedule.</p>",
"simpleType": "Integer",
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"xmlNameSpaceUri": null
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"c2jName": "TotalScheduledInstanceHours",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The total number of hours for a single instance for the entire term.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withTotalScheduledInstanceHours",
"getterDocumentation": "/**<p>The total number of hours for a single instance for the entire term.</p>
@return The total number of hours for a single instance for the entire term.*/",
"getterMethodName": "getTotalScheduledInstanceHours",
"getterModel": {
"returnType": "Integer",
"documentation": null"}
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"mapModel": null,
"name": "TotalScheduledInstanceHours",
"setterDocumentation": "/**<p>The total number of hours for a single instance for the entire
term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire
term.*"/
setterMethodName": "setTotalScheduledInstanceHours",
setterModel": {
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  "simpleType": "Integer",
  "variableSetterType": "Integer"
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"simple": true,
"varargSetterDocumentation": "/*<p>The total number of hours for a single instance for the entire
term.</p>@param totalScheduledInstanceHours The total number of hours for a single instance for the entire
term.<p>@return Returns a reference to this object so that method calls can be chained together.*"/
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  "documentation": "<p>The total number of hours for a single instance for the entire term.</p>
"simpleType": "Integer",
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"required": null,
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"variable": {
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  "variableName": "scheduledInstanceAvailability",
  "variableType": "ScheduledInstanceAvailability",
  "documentation": null,
  "simpleType": "ScheduledInstanceAvailability",
  "variableSetterType": "ScheduledInstanceAvailability"
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"wrapper": false
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"ScheduledInstanceRecurrence": {
  "c2jName": "ScheduledInstanceRecurrence",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
  "documentation": "Describes the recurring schedule for a Scheduled Instance.",
  "enums": null,
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      "c2jName": "Frequency",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).",
      "enumType": null,
      "fluentSetterDocumentation": "The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withFrequency",
      "variableDeclarationType": "Frequency",
      "variableName": "frequency",
      "variableType": "Frequency",
      "variableSetterType": "Frequency"
    }
  ]
}
"getterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>\n@return The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).*/",
"getterMethodName" : "getFrequency",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Frequency",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "frequency",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Frequency",
"setterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
"variableModel" : {
  "returnType" : "String",
  "documentation" : null
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  "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Frequency",
"setterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFrequency",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
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"variableType" : "String",
"documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). </p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Interval",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months. </p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months. </p>

@<param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInterval",
"getterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months. </p>

@return The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months. */",
"getterMethodName" : "getInterval",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "interval",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Interval",
"setterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>@param interval The interval
quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every
2 months.*/",
"setterMethodName" : "setInterval",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "interval",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>@param interval The interval
quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every
2 months.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Integer",
  "documentation" : "<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jName" : "OccurrenceDaySet",
"c2jShape" : "OccurrenceDaySet",
"deprecated" : false,
"documentation" : "<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a
weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month
(1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOccurrenceDaySet",
"getterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-
31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).@return The days.
For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more
days of the week (1-7, where 1 is Sunday).@return The days. For a monthly schedule, this is one or more
days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).*/",
"getterMethodName" : "getOccurrenceDaySet",
"getterModel" : {
}
"returnType" : "java.util.List<Integer>",
"documentation" : null
},

"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "occurrenceDaySet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * \n     * @param member \n     * \n     * Returns a reference to this object so that
     * method calls can be chained together. *\n     */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * \n     * @return
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
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    "http" : {
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "uri" : false
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    "marshallLocationName" : "OccurrenceDaySet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "occurrenceDaySet",
    "uri" : false
  }
}
"name" : "OccurrenceDaySet",
"setterDocumentation" : "\n\nThe days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n\n@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n",
"setterMethodName" : "setOccurrenceDaySet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
  "variableName" : "occurrenceDaySet",
  "variableType" : "java.util.List<Integer>",
  "documentation" : "",
  "simpleType" : "List<Integer>",
  "variableSetterType" : "java.util.Collection<Integer>"
},
"simple" : false,
"varargSetterDocumentation" : "\n\nThe days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n\nNOTE: This method appends the values to the existing list (if any). Use \{@link #setOccurrenceDaySet(java.util.Collection)\} or \{@link #withOccurrenceDaySet(java.util.Collection)\} if you want to override the existing values.\n\n@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n\n@return Returns a reference to this object so that method calls can be chained together."
,"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
  "variableName" : "occurrenceDaySet",
  "variableType" : "java.util.List<Integer>",
  "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).",
  "simpleType" : "List<Integer>",
  "variableSetterType" : "java.util.Collection<Integer>"
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"c2jName" : "OccurrenceRelativeToEnd",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n",
"simpleType" : "List<Integer>",
"variableSetterType" : "java.util.Collection<Integer>"
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"c2jName" : "OccurrenceRelativeToEnd",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether the occurrence is relative to the end of the specified week or month.\n",
"enumType" : null,
"fluentSetterDocumentation" : "Indicates whether the occurrence is relative to the end of the specified week or month.\nIndicates whether the occurrence is relative to the end of the specified week or month.\n\n@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "withOccurrenceRelativeToEnd",
"getterDocumentation" : "Indicates whether the occurrence is relative to the end of the specified week or month.\nIndicates whether the occurrence is relative to the end of the specified week or month.\n\n@return Indicates whether the occurrence is relative to the end of the specified week or month."
,"getterMethodName" : "getOccurrenceRelativeToEnd",
"getterModel" : {
"returnType": "Boolean",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OccurrenceRelativeToEnd",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "occurrenceRelativeToEnd",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OccurrenceRelativeToEnd",
"setterDocumentation": "/**
   * Indicates whether the occurrence is relative to the end of the specified week or month.
   * @param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setOccurrenceRelativeToEnd",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "occurrenceRelativeToEnd",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**
   * Indicates whether the occurrence is relative to the end of the specified week or month.
   * @param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "occurrenceRelativeToEnd",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean"}
"variableSetterType" : "Boolean",
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "OccurrenceUnit",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The unit for <code>occurrenceDaySet</code>
(\<code>DayOfWeek</code> or \<code>DayOfMonth</code>).\n@returns {OccurrenceUnit} The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@returns {string} The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/",
"fluentSetterMethodName" : "withOccurrenceUnit",
"getterDocumentation" : "/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @returns {string} The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/",
"getterMethodName" : "getOccurrenceUnit",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "occurrenceUnit",
 "uri" : false
},
"idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "OccurrenceUnit",
 "setterDocumentation" : "/**\n * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n * \n */",
 "setterMethodName" : "setOccurrenceUnit",

---

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"setterModel": {

  "variableDeclarationType": "String",
  "variableName": "occurrenceUnit",
  "variableType": "String",
  "documentation": 
    "<p>The unit for occurrenceDaySet (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@param occurrenceUnit The unit for occurrenceDaySet (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@return Returns a reference to this object so that method calls can be chained together.</p>",

  "variable": {

    "variableDeclarationType": "String",
    "variableName": "occurrenceUnit",
    "variableType": "String",
    "documentation": 
      "<p>The unit for occurrenceDaySet (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@varargSetterDocumentation" : 
      "@param occurrenceUnit The unit for occurrenceDaySet (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@return Returns a reference to this object so that method calls can be chained together.</p>",

    "variableSetterType": "String"

  }

},

"simple": true,

"varargSetterDocumentation" : 
  "@param occurrenceUnit The unit for occurrenceDaySet (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@return Returns a reference to this object so that method calls can be chained together."",

"variable": {

  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": 
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    "@param occurrenceUnit The unit for occurrenceDaySet (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@return Returns a reference to this object so that method calls can be chained together."",

  "variableSetterType": "String"

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"xmlNameSpaceUri": null

},

"membersAsMap": {

  "Frequency": {

    "c2jName": "Frequency",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": 
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    "fluentSetterDocumentation" : 
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    "fluentSetterMethodName": "withFrequency",

    "getterDocumentation" : 
      "@return The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together."",

    "getterMethodName": "getFrequency",

    "getterModel": {

      "returnType": "String",
      "documentation": null

    },

    "http": {

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    }

  }

},

"Frequency": {

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  "c2jShape": "String",
  "deprecated": false,
  "documentation": 
    "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@enumType" : null,

  "fluentSetterDocumentation" : 
    "@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together."",

  "fluentSetterMethodName": "withFrequency",

  "getterDocumentation" : 
    "@return The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together."",

  "getterMethodName": "getFrequency",

  "getterModel": {

    "returnType": "String",
    "documentation": null

  },

  "http": {

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    "additionalUnmarshallingPath": null

  }

}
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Frequency",
"setterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).*/",
"setterMethodName" : "setFrequency",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "frequency",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).<br>
@return Returns a reference to this object so that method calls can be chained together.*"",
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return Returns a reference to this object so that method calls can be chained together.*",
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"deprecated" : false,
"documentation" : "<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>@param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInterval",
"getterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>
@return The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.*/",
"getterMethodName" : "getInterval",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Interval",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "interval",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Interval",
"setterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>@param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.*/",
"setterMethodName" : "setInterval",
"setterModel" : {
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  "variableName" : "interval",
  "variableType" : "Integer"
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  "variableDeclarationType" : "Integer",
  "variableName" : "interval",
  "variableType" : "Integer",
  "documentation" : "The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.

  @param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
  @return Returns a reference to this object so that method calls can be chained together.
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.

  @param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
  @return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "interval",
  "variableType" : "Integer",
  "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).

  @param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
  @return Returns a reference to this object so that method calls can be chained together.
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
"OccurrenceDaySet" : {
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  "c2jShape" : "OccurrenceDaySet",
  "deprecated" : false,
  "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).

  @param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
  @return Returns a reference to this object so that method calls can be chained together.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).

  @param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
  @return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "withOccurrenceDaySet",
  "getterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).

  @return The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
",
  "getterMethodName" : "getOccurrenceDaySet",
  "getterModel" : {
    "returnType" : "java.util.List<Integer>",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ocurrenceDaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@override
@return Returns a reference to this object so that
method calls can be chained togetherness.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
@override
getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"listModel" : null,
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"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Integer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "Integer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"templateType" : "java.util.List<Integer>"
},
"map" : false,
"mapModel" : null,
"name" : "OccurrenceDaySet",
"setterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).</p>
@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).*/",
"setterMethodName" : "setOccurrenceDaySet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
  "variableName" : "occurrenceDaySet",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
"variableType" : "java.util.List<Integer>",
"documentation" : ":",
"simpleType" : "List<Integer>",
"variableSetterType" : "java.util.Collection<Integer>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\* The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n*/\n@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"variableName" : "occurrenceDaySet",
"variableType" : "java.util.List<Integer>",
"documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).",
"simpleType" : "List<Integer>",
"variableSetterType" : "java.util.Collection<Integer>
}
,"xmlNameSpaceUri" : null
},
"OccurrenceRelativeToEnd" : {
"c2jName" : "OccurrenceRelativeToEnd",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether the occurrence is relative to the end of the specified week or month.\n*/",
"enumType" : null,
"fluentSetterDocumentation" : "Indicates whether the occurrence is relative to the end of the specified week or month.\n*/
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOccurrenceRelativeToEnd",
"getterDocumentation" : "Indicates whether the occurrence is relative to the end of the specified week or month.\n*/
@return Indicates whether the occurrence is relative to the end of the specified week or month.\n*/",
"getterMethodName" : "getOccurrenceRelativeToEnd",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OccurrenceRelativeToEnd",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "occurrenceRelativeToEnd",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OccurrenceRelativeToEnd",
"setterDocumentation" : "/**
 * Indicates whether the occurrence is relative to the end of the specified week or month.
 * @param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setOccurrenceRelativeToEnd",
"setterModel" : {
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 "variableName" : "occurrenceRelativeToEnd",
 "variableType" : "Boolean",
 "documentation" : "",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
 },
"simple" : true,
"varargSetterDocumentation" : "/**
 * Indicates whether the occurrence is relative to the end of the specified week or month.
 * @param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "occurrenceRelativeToEnd",
 "variableType" : "Boolean",
 "documentation" : "<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
 },
"xmlnsNameSpaceUri" : null,
"OccurrenceUnit" : {
 "c2jName" : "OccurrenceUnit",
 "c2jShape" : "String",
 "deprecated" : false,
"documentation": "\p The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\p",
"enumType": null,
"fluentSetterDocumentation": "/**\p The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/\n@\param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName": "withOccurrenceUnit",
"getterDocumentation": "/**\p The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@return Returns the unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/",
"getterMethodName": "getOccurrenceUnit",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OccurrenceUnit",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "occurrenceUnit",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OccurrenceUnit",
"setterDocumentation": "/**\p The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/\n@\param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n@return Returns the unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/",
"setterMethodName": "setOccurrenceUnit",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "occurrenceUnit",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
The unit for `occurrenceDaySet` is either `DayOfWeek` or `DayOfMonth`. The unit for `occurrenceDaySet` is either `DayOfWeek` or `DayOfMonth`. Returns a reference to this object so that method calls can be chained together.

```

    "variable": {
        "variableDeclarationType": "String",
        "variableName": "occurrenceUnit",
        "variableType": "String",
        "documentation": "The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).",
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ScheduledInstanceRecurrence",
"unmarshaller": {
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    "resultWrapper": null
},
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    "variableType": "ScheduledInstanceRecurrence",
    "documentation": null,
    "simpleType": "ScheduledInstanceRecurrence",
    "variableSetterType": "ScheduledInstanceRecurrence"
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"wrapper": false
},
"ScheduledInstanceRecurrenceRequest": {
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        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
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    "deprecated": false,
    "documentation": "Describes the recurring schedule for a Scheduled Instance.",
    "enums": null,
    "errorCode": null,
    "message": null,
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    "requestSignerClassFqcn": null,
    "required": null,
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        "variableType": "ScheduledInstanceRecurrenceRequest",
        "documentation": null,
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        "variableSetterType": "ScheduledInstanceRecurrenceRequest"
    },
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"hasStreamingMember" : false,
"marshaller" : null,
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/p&gt;&lt;param name="frequency"&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/param&gt;&lt;returns&gt;Returns a reference to this object so that method calls can be chained together.&lt;/returns&gt;*/",
  "fluentSetterMethodName" : "withFrequency",
  "getterDocumentation" : "/**&lt;p&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/p&gt;&lt;returns&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/returns&gt;*/",
  "getterMethodName" : "getFrequency",
  "getterModel" : {
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    "documentation" : null
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  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Frequency",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Frequency",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Frequency",
  "setterDocumentation" : "/**&lt;p&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/p&gt;&lt;param name="frequency"&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/param&gt;&lt;returns&gt;Returns a reference to this object so that method calls can be chained together.&lt;/returns&gt;*/",
  "setterMethodName" : "setFrequency",
  "setterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"name" : "Frequency",
"setterDocumentation" : "&lt;p&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/p&gt;&lt;param name="frequency"&gt;The frequency (&lt;code&gt;Daily&lt;/code&gt;, &lt;code&gt;Weekly&lt;/code&gt;, or &lt;code&gt;Monthly&lt;/code&gt;).&lt;/param&gt;&lt;returns&gt;Returns a reference to this object so that method calls can be chained together.&lt;/returns&gt;*/",```
or <code>Monthly</code>.

"setterMethodname" : "setFrequency",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
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"c2jName" : "Interval",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n
"enumType" : null,
"fluentSetterDocumentation" : "/**\n*pThe interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInterval",
"getterDocumentation" : "/**\n*pThe interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n@return The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n"getterMethodName" : "getInterval",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Interval",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Interval",
"setterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInterval",
"setterModel" : {
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  "variableName" : "interval",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
  "documentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jName" : "OccurrenceDays"
"c2jShape" : "OccurrenceDayRequestSet",
"deprecated" : false,
"documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n"enumType" : null,
"fluentSetterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "withOccurrenceDays",
"getterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n@returns The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n",
"getterMethodName" : "getOccurrenceDays",
"getterModel" : {
  "returnType" : "java.util.List<Integer>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OccurrenceDay",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OccurrenceDay",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Integer",
    "c2jShape" : "OccurrenceDayRequestSet",
    "deprecated" : false,
    "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n"enumType" : null,
"fluentSetterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "withOccurrenceDays",
"getterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n@returns The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n",
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  "returnType" : "java.util.List<Integer>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "uri" : false
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"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Integer",
    "c2jShape" : "OccurrenceDayRequestSet",
    "deprecated" : false,
    "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n"enumType" : null,
"fluentSetterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "withOccurrenceDays",
"getterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n@returns The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OccurrenceDay",
  "uri" : false
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"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {  
"returnType" : "Integer",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OccurenceDay",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {  
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"variableName" : "member",
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"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : 
  
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"variableName" : "member",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "OccurrenceDay",
"memberType" : "Integer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "Integer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"templateType" : "java.util.List<Integer>",
"map" : false,
"mapModel" : null,
"name" : "OccurrenceDays",
"setterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p><p>@param occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>*/",
"setterMethodName" : "setOccurrenceDays",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
  "variableName" : "occurrenceDays",
  "variableType" : "java.util.List<Integer>",
  "documentation" : "",
  "simpleType" : "List<Integer>",
  "variableSetterType" : "java.util.Collection<Integer>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setOccurrenceDays(java.util.Collection)} or {@link #withOccurrenceDays(java.util.Collection)} if you want to override the existing values.</p><p>@param occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>*/",null
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
    "variableName" : "occurrenceDays",
    "variableType" : "java.util.List<Integer>",
    "documentation" : "<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>",
    "simpleType" : "List<Integer>",
    "variableSetterType" : "java.util.Collection<Integer>"
},
"xmlNameSpaceUri" : null
};
"c2jName" : "OccurrenceRelativeToEnd",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>\n@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>\n@return Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>*/",
"fluentSetterMethodName" : "withOccurrenceRelativeToEnd",
"getterDocumentation" : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>\n@return Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>*/",
"getterMethodName" : "getOccurrenceRelativeToEnd",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "marshallLocationName" : "OccurrenceRelativeToEnd",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "OccurrenceRelativeToEnd",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OccurrenceRelativeToEnd",
"setterDocumentation" : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.*/",
"setterMethodName" : "setOccurrenceRelativeToEnd",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "occurrenceRelativeToEnd",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "occurrenceRelativeToEnd",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.
@return Returns a reference to this object so that method calls can be chained together.
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OccurrenceUnit",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The unit for <code>OccurrenceDays</code> ( <code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule."
"fluentSetterDocumentation" : "**<p>The unit for <code>OccurrenceDays</code> ( <code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>
@param occurrenceUnit The unit for <code>OccurrenceDays</code> ( <code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOccurrenceUnit",
"enumType" : null,
"fluentSetterDocumentation" : "**<p>The unit for <code>OccurrenceDays</code> ( <code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>
@param occurrenceUnit The unit for <code>OccurrenceDays</code> ( <code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.
@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withOccurrenceUnit",
The unit for `OccurrenceDays` (either `DayOfWeek` or `DayOfMonth`). This value is required for a monthly schedule. You can't specify with a weekly schedule. You can't specify this value with a daily schedule.

```java
public String getOccurrenceUnit()
```

```java
public void setOccurrenceUnit(String occurrenceUnit)
```

This value is required for a monthly schedule. You can't specify with a weekly schedule. You can't specify this value with a daily schedule.
"varargSetterDocumentation" : "/** The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.\n*\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "occurrenceUnit",
"variableType" : "String",
"documentation" : "The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Frequency" : {
"c2jName" : "Frequency",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).
*\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n@return Returns a reference to this object so that method calls can be chained together. */",
"enumType" : null,
"fluentSetterDocumentation" : "/** The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n*\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withFrequency",
"getterDocumentation" : "The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n*\n@return The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n*"",
"getterMethodName" : "getFrequency",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Frequency",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Frequency",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Frequency",
"setterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). </p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).@*/",
"setterMethodName" : "setFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). </p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).@*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). For example, every 2 weeks or every 2 months.</p>",
  "enumType" : "null",
  "xmlNameSpaceUri" : null
},
"Interval" : {
  "c2jName" : "Interval",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months."
"fluentSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withInterval",
"getterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>
@return The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>*/",
"getterMethodName" : "getInterval",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Interval",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Interval",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Interval",
"setterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
*/",
"setterMethodName" : "setInterval",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "interval",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "interval",
    "variableType" : "Integer",
    "documentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"OccurrenceDays" : {
    "c2jName" : "OccurrenceDays",
    "c2jShape" : "OccurrenceDayRequestSet",
    "deprecated" : false,
    "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.

    *"/
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>
    @param occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withOccurrenceDays",
    "getterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>
    @return The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.
    @return The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.*/",
    "getterMethodName" : "getOccurrenceDays",
    "getterModel" : {
        "returnType" : "java.util.List<Integer>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OccurrenceDay",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OccurrenceDay",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OccurrenceDay",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OccurrenceDay",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "OccurrenceDay",
"memberType" : "Integer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "Integer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"templateType" : "java.util.List<Integer>
},
"map" : false,
"mapModel" : null,
"name" : "OccurrenceDays",
"setterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>
@param occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.*/",
"setterMethodName" : "setOccurrenceDays",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"variableName" : "occurrenceDays",
"variableType" : "java.util.List<Integer>",
"documentation" : "",
"simpleType" : "List<Integer>",
"variableSetterType" : "java.util.Collection<Integer>",

"simple" : false,
"varargSetterDocumentation" : "/**\n * The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.
 *\n * @param occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.
 * @return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"variableName" : "occurrenceDays",
"variableType" : "java.util.List<Integer>",
"documentation" : 
"p>
The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.

\n\n@b>NOTE:<b/
This method appends the values to the existing list (if any). Use [\link #setOccurrenceDays(java.util.Collection)] or [\link #withOccurrenceDays(java.util.Collection)] if you want to override the existing values.

\n@\return Returns a reference to this object so that method calls can be chained together.*/",

"simpleType" : "List<Integer>",
"variableSetterType" : "java.util.Collection<Integer>",

"xmlNameSpaceUri" : null
},
"OccurrenceRelativeToEnd" : {
"c2jName" : "OccurrenceRelativeToEnd",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.<p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.<p>
 * @\return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withOccurrenceRelativeToEnd",
"getterDocumentation" : "/**\n * Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.<p>
 * @\return Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.<p>

"getterMethodName" : "getOccurrenceRelativeToEnd",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "OccurrenceRelativeToEnd",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "OccurrenceRelativeToEnd",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OccurrenceRelativeToEnd",
"setterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>*/",
"setterMethodName": "setOccurrenceRelativeToEnd",
"setterModel": {
    "variableDeclarationType": "Boolean",
    "variableName": "occurrenceRelativeToEnd",
    "variableType": "Boolean",
    "documentation": "",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "Boolean",
    "variableName": "occurrenceRelativeToEnd",
    "variableType": "Boolean",
    "documentation": "<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"}
"map" : false,
"mapModel" : null,
"name" : "OccurrenceUnit",
"setterDocumentation" : "/**<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>
@param occurrenceUnit The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.*/",
"setterMethodName" : "setOccurrenceUnit",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "occurrenceUnit",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>
@param occurrenceUnit The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "occurrenceUnit",
  "variableType" : "String",
  "documentation" : "<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ScheduledInstanceRecurrenceRequest",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "occurrenceUnit",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"variableDeclarationType": "ScheduledInstanceRecurrenceRequest",
"variableName": "scheduledInstanceRecurrenceRequest",
"variableType": "ScheduledInstanceRecurrenceRequest",
"documentation": null,
"simpleType": "ScheduledInstanceRecurrenceRequest",
"variableSetterType": "ScheduledInstanceRecurrenceRequest"
},
"wrapper": false
},
"ScheduledInstancesBlockDeviceMapping": {
"c2jName": "ScheduledInstancesBlockDeviceMapping",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "Describes a block device mapping for a Scheduled Instance."
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "DeviceName",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).",
    "enumType": null,
    "fluentSetterDocumentation": /** The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/
      @param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/
      @return Returns a reference to this object so that method calls can be chained together.*/
      ,
    "getterDocumentation": /** The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/
      @return The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/
      ,
    "getterMethodName": "getDeviceName",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
    }
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeviceName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeviceName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**\p> The device name exposed to the instance (for example,
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the
instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/",
"setterMethodName" : "setDeviceName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "deviceName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p> The device name exposed to the instance (for example,
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the
instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "deviceName",
"variableType" : "String",
"documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or
<code>xvdh</code>).\n</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NoDevice"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>*/
@param noDevice Suppresses the specified device included in the block device mapping of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNoDevice",
"getterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>*/
@return Suppresses the specified device included in the block device mapping of the AMI.
*/",
"getterMethodName" : "getNoDevice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NoDevice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NoDevice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NoDevice",
"setterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>*/
@param noDevice Suppresses the specified device included in the block device mapping of the AMI.
*/",
"setterMethodName" : "setNoDevice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "noDevice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.*

```json
"getterMethodName" : "getVirtualName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VirtualName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VirtualName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VirtualName",
"setterDocumentation" : "/**
 * The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.
 */
 @param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.
 */
getterMethodName" : "setVirtualName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "virtualName",
  "variableType" : "String",
  "documentation" : ""
},
```
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "virtualName",
"variableType" : "String",
"documentation" : "/p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
@return Parameters used to set up EBS volumes automatically when the instance is launched.</p>
"enumType" : null,
"c2jName" : "Ebs",
"c2jShape" : "ScheduledInstancesEbs",
"deprecated" : false,
"documentation" : "/p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>
@param ebs Parameters used to set up EBS volumes automatically when the instance is launched.</p>
@return Returns a reference to this object so that method calls can be chained together.*/
" FluentSetterMethodName" : "withEbs",
"getterDocumentation" : "/**<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>
@param Parameters used to set up EBS volumes automatically when the instance is launched.</p>
@return Parameters used to set up EBS volumes automatically when the instance is launched.</p>
"returnType" : "ScheduledInstancesEbs",
"getterModel" : {
"returnType" : "ScheduledInstancesEbs"}
Parameters used to set up EBS volumes automatically when the instance is launched.

\@param ebs Parameters used to set up EBS volumes automatically when the instance is launched.

\@return Returns a reference to this object so that method calls can be chained together.

```java
public Ebs setEbs(ScheduledInstancesEbs ebs)
```

```java
public ScheduledInstancesEbs getEbs()
```
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "deviceName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "deviceName",
    "variableType" : "String",
    "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ebs" : {
    "c2jName" : "Ebs",
    "c2jShape" : "ScheduledInstancesEbs",
    "deprecated" : false,
    "documentation" : "<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>\n@param ebs Parameters used to set up EBS volumes automatically when the instance is launched.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withEbs",
    "getterDocumentation" : "/**<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>\n@return Parameters used to set up EBS volumes automatically when the instance is launched.</p>*/",
    "getterMethodName" : "getEbs",
    "getterModel" : {
        "returnType" : "ScheduledInstancesEbs",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ebs",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Ebs",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ebs",
"setterDocumentation": "/**\n\* Parameters used to set up EBS volumes automatically when the instance is launched.\n\*/",
"setterMethodName": "setEbs",
"setterModel": {
  "variableDeclarationType": "ScheduledInstancesEbs",
  "variableName": "ebs",
  "variableType": "ScheduledInstancesEbs",
  "documentation": "",
  "simpleType": "ScheduledInstancesEbs",
  "variableSetterType": "ScheduledInstancesEbs"
},
"simple": false,
"varargSetterDocumentation": "/**\n\* Parameters used to set up EBS volumes automatically when the instance is launched.\n\*/",
"variable": {
  "variableDeclarationType": "ScheduledInstancesEbs",
  "variableName": "ebs",
  "variableType": "ScheduledInstancesEbs",
  "documentation": "",
  "simpleType": "ScheduledInstancesEbs",
  "variableSetterType": "ScheduledInstancesEbs"
},
"xmlNameSpaceUri": null,
"NoDevice": {
  "c2jName": "NoDevice",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "Suppresses the specified device included in the block device mapping of the AMI."
}
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withNoDevice",

"getterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>\n@return Suppresses the specified device included in the block device mapping of the AMI.*/",

"getterMethodName" : "getNoDevice",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NoDevice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NoDevice",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "NoDevice",

"setterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.*/",

"setterMethodName" : "setNoDevice",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "noDevice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.*/"
AMI

@<returns>Returns a reference to this object so that method calls can be chained together.*

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "noDevice",
"variableType" : "String",
"documentation" : "<p>Suppresses the specified device included in the block device mapping of the
AMI.<p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VirtualName" : {
"c2jName" : "VirtualName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are
numbered starting from 0. An instance type with two available instance store volumes can specify mappings for
<code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes
depends on the instance type. After you connect to the instance, you must mount the volume.</p> Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you
launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the
AMI.<p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store
volumes are numbered starting from 0. An instance type with two available instance store volumes can specify
mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store
volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you
launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the
AMI.<p>

"fluentSetterMethodName" : "withVirtualName",
"getterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store
volumes are numbered starting from 0. An instance type with two available instance store volumes can specify
mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store
volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you
launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the
AMI.<p>

"getterMethodName" : "getVirtualName",
"parameterDocumentation" : "@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store
volumes are numbered starting from 0. An instance type with two available instance store volumes can specify
mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store
volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>

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For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI. */

```json
"getterMethodName" : "getVirtualName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VirtualName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VirtualName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VirtualName",
"setterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>

### Constraints:

- For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>

</param>virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>

### Constraints:

- For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>

</setterDocumentation"
```
```
```
The virtual device name (ephemeralN). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

@param virtualName The virtual device name (ephemeralN). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for ephemeral0 and ephemeral1. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

@return Returns a reference to this object so that method calls can be chained together.

"ScheduledInstancesEbs" : {
  "c2jName" : "ScheduledInstancesEbs",
  "customization" : {
    "artifactResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an EBS volume for a Scheduled Instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "SnapshotId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the snapshot.</p>",
      "enumType" : null,
      "getterDocumentation" : "/**<p>The ID of the snapshot.</p>
      @return Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName" : "getSnapshotId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "SnapshotId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "SnapshotId",
        "wrapper" : false
      }
    }
  ]
}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*///",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargsSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the
snapshot.
@return Returns a reference to this object so that method calls can be chained together.*///",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot.</p>
<p>Default: If you're creating the volume from a
snapshot and don't specify a volume size, the default is the snapshot size.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*///",
  "fluentSetterMethodName" : "withVolumeSize",
  "getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return The size of the
volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*///",
  "getterMethodName" : "getVolumeSize",
"xmlNameSpaceUri" : null
},
"c2jName" : "VolumeSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p>
<p>Default: If you're creating the volume from a
snapshot and don't specify a volume size, the default is the snapshot size.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*///",
"fluentSetterMethodName" : "withVolumeSize",
"getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the
volume, in GiB.
@return The size of the
volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*///",
"getterMethodName" : "getVolumeSize",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeSize",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeSize",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeSize",
"setterDocumentation" : "/**
<p>The size of the volume, in GiB.</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The size of the volume, in GiB.</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer"}
"documentation" : "<p>The size of the volume, in GiB.</p> Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}],
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume is deleted on instance termination.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Indicates whether the volume is deleted on instance termination.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@return Indicates whether the volume is deleted on instance termination.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DeleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Indicates whether the volume is deleted on instance termination.*/",
"setterMethodName" : "setDeleteOnTermination"
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**
 * Indicates whether the volume is deleted on instance termination.
 */
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.
",

"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the volume is deleted on instance termination.</p>
",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"c2jName": "VolumeType",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p> <p>Default: <code>standard</code> </p>
",
"enumType": null,
"fluentSetterDocumentation": "/**
 * The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.

 * @param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.

 * @return Returns a reference to this object so that method calls can be chained together.
 */
",
"fluentSetterMethodName": "withVolumeType",
"getterDocumentation": "/**
 * The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.

 * @return The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.
 */
",
"getterMethodName": "getVolumeType",
"getMethodModel": {
  "returnType": "String",
  "documentation": null
},

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"http": { 
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VolumeType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VolumeType",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeType",
"setterDocumentation": "/**<p>The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p><p>Default: <code>standard</code></p>
@<p>param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p><p>Default: <code>standard</code>*/

@param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.
@return Returns a reference to this object so that method calls can be chained together.*/

@<p>param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p><p>Default: <code>standard</code>*/

@<p>return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
  "defaultValue": "",
  "documentation": "", 
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableSetterType": "String"
}
"simple": true,
"varargSetterDocumentation": "/**<p>The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p><p>Default: <code>standard</code></p>
@<p>param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p><p>Default: <code>standard</code>*/

@<p>return Returns a reference to this object so that method calls can be chained together. */

"variable": {
  "defaultValue": "",
  "documentation": "", 
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableSetterType": "String"
}
"simple": false,
The volume type. `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, Throughput Optimized HDD for `<code>st1</code>`, Cold HDD for `<code>sc1</code>`, or `<code>standard</code>` for Magnetic.

Default: `<code>standard</code>`

```
"documentation" : "The number of I/O operations per second (IOPS) that the volume supports.

For `<code>io1</code>` volumes, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>` volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about `<code>gp2</code>` baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the `<i>Amazon Elastic Compute Cloud User Guide</i>`.

Constraint: Range is 100-20000 IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes.

Condition: This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.

```

20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

@return The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code> volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.
volumes, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>` volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about `<code>gp2</code>` baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the `<i>Amazon Elastic Compute Cloud User Guide</i>`.

**Constraint:** Range is 100-20000 IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes.

**Condition:** This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.

**Parametr**

```java
public class EbsInstance
{
    private int iops;

    public EbsInstance(int iops)
    {
        this.iops = iops;
    }

    public int getIops()
    {
        return iops;
    }
}
```

**Documentation**

The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>` volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about `<code>gp2</code>` baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the `<i>Amazon Elastic Compute Cloud User Guide</i>`.

**Constraint:** Range is 100-20000 IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes.

**Condition:** This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.

```java
public class EbsInstance
{
    private int iops;

    public EbsInstance(int iops)
    {
        this.iops = iops;
    }

    public int getIops()
    {
        return iops;
    }
}
```

**Return**

Returns a reference to this object so that method calls can be chained together.

```java
public class EbsInstance
{
    private int iops;

    public EbsInstance(int iops)
    {
        this.iops = iops;
    }

    public int getIops()
    {
        return iops;
    }
}
```
IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes. </p>  

**Condition:**
This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.

```typescript
{  
  "simpleType" : "Integer",  
  "variableSetterType" : "Integer"  
},  
"xmlNameSpaceUri" : null  
},  
"c2jName" : "Encrypted",  
"c2jShape" : "Boolean",  
"deprecated" : false,  
"documentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>\",  
"enumType" : null,  
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>\n@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",  
"fluentSetterMethodName" : "withEncrypted",  
"getterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>\n@return Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n\*/",  
"getterMethodName" : "getEncrypted",  
"getterModel" : {  
  "returnType" : "Boolean",  
  "documentation" : null  
},  
"http" : {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattned" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocationName" : "Encrypted",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "Encrypted",  
  "uri" : false  
},  
"idempotencyToken" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "Encrypted",  
```

---

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Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.

```
public class VolumeAttachment {
    private String volumeId;
    private String instanceId;
    private Integer device;
    private String deleteOnTermination;
    private String encrypted;
}
```

```java
public class VolumeAttachment {
    private String volumeId;
    private String instanceId;
    private Integer device;
    private String deleteOnTermination;
    private String encrypted;
}
```

```json
{
    "DeleteOnTermination": "true",
    "Encrypted": "false"
}
```
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeleteOnTermination",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean"
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>
@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>
@return Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Encrypted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Encrypted",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>
@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "encrypted",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",}
"variableSetterType" : "Boolean",
"simple" : true,
"varargSetterDocumentation" : "*/\*<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "encrypted",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"iops" : {
"c2jName" : "Iops",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes. <p>Constraint: Range is 100-20000 IOPS for <code>io1</code>volumes and 100-10000 IOPS for <code>gp2</code>volumes. <p>Condition: This parameter is required for requests to create <code>io1</code>volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>io1</code>volumes and 100-10000 IOPS for <code>gp2</code>volumes. <p>Constraint: Range is 100-20000 IOPS for <code>io1</code>volumes and 100-10000 IOPS for <code>gp2</code>volumes. <p>Condition: This parameter is required for requests to create <code>io1</code>volumes; it is not used in requests to create <code>gp2</code>volumes. The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code>volumes, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "encrypted",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes.</p><p>Condition: This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.\n</p><p>@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withIops",
"getterDocumentation" : "*/**\p The number of I/O operations per second (IOPS) that the volume supports. For `<code>io1</code>` volumes, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>` volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about `<code>gp2</code>` baseline performance, I/O credits, and bursting, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;p&gt;Constraint: Range is 100-20000 IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes.&lt;/p&gt;
</p><p>&lt;p&gt;Condition: This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.\n</p><p>@return The number of I/O operations per second (IOPS) that the volume supports. For `<code>io1</code>` volumes, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>` volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about `<code>gp2</code>` baseline performance, I/O credits, and bursting, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;p&gt;Constraint: Range is 100-20000 IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes.&lt;/p&gt;&lt;p&gt;Condition: This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.*/
"getterMethodName" : "getIops",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Iops",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Iops",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "Iops",
"setterDocumentation": "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see [Amazon EBS Volume Types](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html) Amazon EBS Volume Types in the [Amazon Elastic Compute Cloud User Guide](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html).<br><p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes. It is not used in requests to create <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>
@param iops The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see [Amazon EBS Volume Types](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html) Amazon EBS Volume Types in the [Amazon Elastic Compute Cloud User Guide](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html).<br><p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p><p>Constraint: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes. It is not used in requests to create <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes. It is not used in requests to create <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>*/",
"setterMethodName": "setIops",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "iops",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see [Amazon EBS Volume Types](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html) Amazon EBS Volume Types in the [Amazon Elastic Compute Cloud User Guide](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html).<br><p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes. It is not used in requests to create <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>
@param iops The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see [Amazon EBS Volume Types](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html) Amazon EBS Volume Types in the [Amazon Elastic Compute Cloud User Guide](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html).<br><p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes. It is not used in requests to create <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.
@return Returns
*/"}
a reference to this object so that method calls can be chained together.*"*/
  
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : "<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>  
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
},

"SnapshotId" : {
  "c2jName" : "SnapshotId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the snapshot.</p>"
},

"simpleType" : "Integer",
"variableSetterType" : "Integer"
},

"xmlNameSpaceUri" : null}
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeSize",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VolumeSize",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeSize",
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@param volumeSize The size of the volume, in GiB.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "volumeSize",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@param volumeSize The size of the volume, in GiB.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "volumeSize",
    "variableType" : "Integer"}
"documentation" : "<p>The size of the volume, in GiB.</p> Default: If you're creating the volume from a
snapshot and don't specify a volume size, the default is the snapshot size.</p> ",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"VolumeType" : {
 "c2jName" : "VolumeType",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for
Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or
<code>standard</code> for Magnetic. <p>Default: <code>standard</code></p>
 
"enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic. <p>Default: <code>standard</code></p>
 
@param volumeType The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic. <p>Default: <code>standard</code></p>

@returns A reference to
this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withVolumeType",
 "getterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic. <p>Default: <code>standard</code></p>

@returns The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic. <p>Default: <code>standard</code></p>

@returns

**/",
"getterMethodName" : "getVolumeType",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VolumeType",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "VolumeType",
 "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic.</p> Default: <code>standard</code>*/
@param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for
Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or
<code>standard</code> for Magnetic.
@return Returns a reference to this object so that method calls can be chained together.*/
", "setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic.</p> Default: <code>standard</code>*/
@param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for
Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or
<code>standard</code> for Magnetic.
@return Returns a reference to this object so that method calls can be chained together.*/
", "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "The volume type. <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for 
<code>st1</code>, Cold HDD for 
<code>sc1</code>, or 
<code>standard</code> for Magnetic.

Default: <code>standard</code>"
},
"xmlNameSpaceUri" : null
}
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ScheduledInstancesEbs",
"variableName" : "scheduledInstancesEbs",
"variableType" : "ScheduledInstancesEbs",
"documentation" : null,
"simpleType" : "ScheduledInstancesEbs",
"variableSetterType" : "ScheduledInstancesEbs"
},
"wrapper" : false
},
"ScheduledInstancesIamInstanceProfile" : {
"c2jName" : "ScheduledInstancesIamInstanceProfile",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an IAM instance profile for a Scheduled Instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Arn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Amazon Resource Name (ARN).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param arn The Amazon Resource Name (ARN).
@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withArn",
"getterDocumentation" : "/**
@return The Amazon Resource Name (ARN).*/
"getterMethodName" : "getArn",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Arn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Arn",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Arn",
"setterDocumentation" : "/**<p>The Amazon Resource Name (ARN).</p>
@param arn The Amazon Resource Name (ARN).*/",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Amazon Resource Name (ARN).</p>
@param arn The Amazon Resource Name (ARN).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p>The Amazon Resource Name (ARN).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Name",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The name.\n* \n* @param name The name.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**\n* The name.\n* \n* @return The name.*/",
"getterMethodName" : "getName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Name",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Name",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**\n* The name.\n* \n* @param name The name.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The name.\n* \n* @param name The name.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "<p>The name.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
]
},
"membersAsMap": {
"Arn": {
"c2jName": "Arn",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Amazon Resource Name (ARN).</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Amazon Resource Name (ARN).
\n@param arn The Amazon Resource Name (ARN).
\n@return Returns a reference to this object so that method calls can be chained together.</p>/",
"fluentSetterMethodName": "withArn",
"getterDocumentation": "/**<p>The Amazon Resource Name (ARN).
\n@return The Amazon Resource Name (ARN).</p>/",
"getterMethodName": "getArn",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Arn",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Arn",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Arn",
"setterDocumentation": "/**<p>The Amazon Resource Name (ARN).
\n@param arn The Amazon Resource Name (ARN).
\n@return Returns a reference to this object so that method calls can be chained together.</p>/",
"setterMethodName": "setArn",
"setterModel": {
"variableDeclarationType": "String",
"variableSetterType": "String"}
"variableName" : "arn",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Amazon Resource Name (ARN).</p>
@param arn The Amazon Resource Name (ARN).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "arn",
 "variableType" : "String",
 "documentation" : "<p>The Amazon Resource Name (ARN).</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"Name" : {
 "c2jName" : "Name",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The name.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n<p>The name.</p>
@param name The name.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withName",
 "getterDocumentation" : "/**\n<p>The name.</p>
@return The name.*"",
 "getterMethodName" : "getName",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Name",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Name",
 "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>The name.</p>
@param name The name.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name.</p>
@param name The name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The name.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ScheduledInstancesIamInstanceProfile",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"wrapper" : false
"ScheduledInstancesIpv6Address" : {
  "c2jName" : "ScheduledInstancesIpv6Address",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an IPv6 address.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Ipv6Address",
    "c2jShape" : "Ipv6Address",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 address.</p>*/
    "getterDocumentation" : "/*<p>The IPv6 address.</p>*/
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Ipv6Address",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Ipv6Address",
      "uri" : false
    }
  }
},
"ScheduledInstancesIpv6Address" : [ 
  "c2jName" : "ScheduledInstancesIpv6Address",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an IPv6 address.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Ipv6Address",
    "c2jShape" : "Ipv6Address",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 address.</p>*/
    "getterDocumentation" : "/*<p>The IPv6 address.</p>*/
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Ipv6Address",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Ipv6Address",
      "uri" : false
    }
  }
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Address",
"setterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.*/",
"setterMethodName" : "setIpv6Address",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "Ipv6Address" : {
    "c2jName" : "Ipv6Address",
    "c2jShape" : "Ipv6Address",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The IPv6 address.
@param ipv6Address The IPv6 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIpv6Address",
    "getterDocumentation" : "<p>The IPv6 address.
@return The IPv6 address.*/",
    "getMethodName" : "getIpv6Address",
    "getModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6Address",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Ipv6Address",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ipv6Address",
"setterDocumentation": "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address."*/",
"setterMethodName": "setIpv6Address",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "ipv6Address",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "ipv6Address",
    "variableType": "String",
    "documentation": "<p>The IPv6 address.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ScheduledInstancesIpv6Address",
"unmarshaller": {
Describes the launch specification for a Scheduled Instance. If you are launching the Scheduled Instance in EC2-VPC, you must specify the ID of the subnet. You can specify the subnet using either \<code>SubnetId</code> or \<code>NetworkInterface</code>.

// The ID of the Amazon Machine Image (AMI).

// Returns a reference to this object so that method calls can be chained together.

// The ID of the Amazon Machine Image (AMI).

// Returns The ID of the Amazon Machine Image (AMI).
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ImageId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ImageId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**\n * The ID of the Amazon Machine Image (AMI).\n \n * @param imageId The ID of the Amazon Machine Image (AMI).\n */",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The ID of the Amazon Machine Image (AMI).\n *\n * @param imageId The ID of the Amazon Machine Image (AMI).\n *\n * @return Returns a reference to this object so that method calls can be chained together.\n */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "<p>The ID of the Amazon Machine Image (AMI)</p>",
  "simple": true,
  "xmlNameSpaceUri": null
},
"c2jName": "KeyName",
"c2jShape": "String"
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.</p>
@return The name of the key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
{idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "<p>The name of the key pair.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, { "c2jName" : "SecurityGroupIds",
"c2jShape" : "ScheduledInstancesSecurityGroupIdSet",
"deprecated" : false,
"documentation" : "<p>The IDs of one or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param securityGroupIds The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroupIds",
"getterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@return The IDs of one or more security groups.*/",
"getterMethodName" : "getSecurityGroupIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
  }
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupIds",
"setterDocumentation" : "/**\n\p The IDs of one or more security groups.\n\</p>\n@\param securityGroupIds The IDs of one or more security groups.*/",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\p The IDs of one or more security groups.\n\</p>\n@\b NOTE:</b> This method appends the values to the existing list (if any). Use {\link #setSecurityGroupIds(java.util.Collection)} or {\link #withSecurityGroupIds(java.util.Collection)} if you want to override the existing values.\n\n@\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "\p The IDs of one or more security groups.\</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The base64-encoded MIME user data.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The base64-encoded MIME user data.</p>
@param userData The base64-encoded MIME user data.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "/**<p>The base64-encoded MIME user data.</p>
@return The base64-encoded MIME user data.*/",
"getterMethodName" : "getUserData",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserData",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserData",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The base64-encoded MIME user data.</p>
@param userData The base64-encoded MIME user data.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUserData",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The base64-encoded MIME user data.</p>
@param userData The base64-encoded MIME user data.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "<p>The base64-encoded MIME user data.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Placement",
"c2jShape" : "ScheduledInstancesPlacement",
"deprecated" : false,
"documentation" : "<p>The placement information.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The placement information.</p>
@param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "/** <p>The placement information.</p>
@return The placement information. */",
"getterMethodName" : "getPlacement",
"getterModel" : {
"returnType" : "ScheduledInstancesPlacement",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Placement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "Placement",
"setterDocumentation": "/**\n * The placement information.
 */\n @param placement The placement information.*/",
"setterMethodName": "setPlacement",
"setterModel": {
  "variableDeclarationType": "ScheduledInstancesPlacement",
  "variableName": "placement",
  "variableType": "ScheduledInstancesPlacement",
  "documentation": "",
  "simpleType": "ScheduledInstancesPlacement",
  "variableSetterType": "ScheduledInstancesPlacement"
},
"simple": false,
"varargSetterDocumentation": "/**\n * The placement information.
 */\n @param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ScheduledInstancesPlacement",
  "variableName": "placement",
  "variableType": "ScheduledInstancesPlacement",
  "documentation": "The placement information."
},
"xmlNameSpaceUri": null,
"c2jName": "KernelId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the kernel."
}
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "InstanceType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance type.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The instance type.</p>
  @param instanceType The instance type.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**<p>The instance type.</p>
  @return The instance type.*/",
  "getterMethodName" : "getInstanceType",
  "getterModel" : {"name" : "InstanceType"}
"returnType" : "String",
"documentation" : null
},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "<p>The instance type.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RamdiskId"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.\n@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RamdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the RAM disk.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "ScheduledInstancesBlockDeviceMappingSet",
"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BlockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstancesBlockDeviceMappingSet",
    "documentation" : "<p>The ID of the RAM disk.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"idempotencyToken" : false,
"c2jShape" : "ScheduledInstancesBlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ScheduledInstancesBlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BlockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstancesBlockDeviceMapping",
"variableName" : "member",
"variableType" : "ScheduledInstancesBlockDeviceMapping",
"documentation" : "",
"simpleType" : "ScheduledInstancesBlockDeviceMapping",
"variableSetterType" : "ScheduledInstancesBlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
}
"variableDeclarationType" : "ScheduledInstancesBlockDeviceMapping",
"variableName" : "member",
"variableType" : "ScheduledInstancesBlockDeviceMapping",
"documentation" : "",
"simpleType" : "ScheduledInstancesBlockDeviceMapping",
"variableSetterType" : "ScheduledInstancesBlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "ScheduledInstancesBlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstancesBlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
"templateType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
"variableDeclarationType" : 
"com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
"documentation" : "",
"simpleType" : "List<ScheduledInstancesBlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<ScheduledInstancesBlockDeviceMapping>"
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@returns a reference to this object so that method calls can be chained together.*/",

This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.

@see \see BlockDeviceMappings One or more block device mapping entries.

@returns a reference to this object so that method calls can be chained together.

"variable" : {
"variableDeclarationType" : 
"com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
"documentation" : "",
"simpleType" : "ScheduledInstancesBlockDeviceMapping",
"variableSetterType" : "ScheduledInstancesBlockDeviceMapping"};
"simpleType" : "List<ScheduledInstancesBlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<ScheduledInstancesBlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Monitoring",
"c2jShape" : "ScheduledInstancesMonitoring",
"deprecated" : false,
"documentation" : "<p>Enable or disable monitoring for the instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>*/
@param monitoring Enable or disable monitoring for the instances.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withMonitoring",
"getterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>*/
@return Enable or disable monitoring for the instances.*"",
"getterMethodName" : "getMonitoring",
"getterModel" : {
"returnType" : "ScheduledInstancesMonitoring",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Monitoring",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Monitoring",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>*/
@param monitoring Enable or disable monitoring for the instances.*"",
"setterMethodName" : "setMonitoring",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstancesMonitoring",
"variableName" : "monitoring"}
"variableType" : "ScheduledInstancesMonitoring",
"documentation" : "",
"simpleType" : "ScheduledInstancesMonitoring",
"variableSetterType" : "ScheduledInstancesMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ScheduledInstancesMonitoring",
"variableName" : "monitoring",
"variableType" : "ScheduledInstancesMonitoring",
"documentation" : "<p>Enable or disable monitoring for the instances.</p>",
"simpleType" : "ScheduledInstancesMonitoring",
"variableSetterType" : "ScheduledInstancesMonitoring"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet in which to launch the instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances.</p>
@param subnetId The ID of the subnet in which to launch the instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances.</p>
@return The ID of the subnet in which to launch the instances.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"variableType" : "SubnetId",
"documentation" : "",
"simpleType" : "ScheduledInstancesMonitoring",
"variableSetterType" : "ScheduledInstancesMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances.</p>
@param subnetId
The ID of the subnet in which to launch the instances.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances.</p>
@param subnetId The ID of the subnet in which to launch the instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet in which to launch the instances.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NetworkInterfaces",
"c2jShape" : "ScheduledInstancesNetworkInterfaceSet",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaces",
  "variableType" : "String",
  "documentation" : "<p>One or more network interfaces.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NetworkInterfaces",
"c2jShape" : "ScheduledInstancesNetworkInterfaceSet",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaces",
  "variableType" : "String",
  "documentation" : "<p>One or more network interfaces.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NetworkInterfaces",
"c2jShape" : "ScheduledInstancesNetworkInterfaceSet",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NetworkInterface",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "NetworkInterface",
    "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
        "c2jName": "member",
        "c2jShape": "ScheduledInstancesNetworkInterface",
        "deprecated": false,
        "documentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withMember",
        "getterDocumentation": "/**\n@return */",
        "getterMethodName": "getMember",
        "getterModel": {
            "returnType": "ScheduledInstancesNetworkInterface",
            "documentation": null
        }
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "NetworkInterface",
        "queryString": false,
        "statusCode": false,
        "uri": false
    }
}
"unmarshallLocationName": "NetworkInterface",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ScheduledInstancesNetworkInterface",
  "variableName": "member",
  "variableType": "ScheduledInstancesNetworkInterface",
  "documentation": "",
  "simpleType": "ScheduledInstancesNetworkInterface",
  "variableSetterType": "ScheduledInstancesNetworkInterface"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ScheduledInstancesNetworkInterface",
  "variableName": "member",
  "variableType": "ScheduledInstancesNetworkInterface",
  "documentation": "",
  "simpleType": "ScheduledInstancesNetworkInterface",
  "variableSetterType": "ScheduledInstancesNetworkInterface"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "NetworkInterface",
"memberType": "ScheduledInstancesNetworkInterface",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ScheduledInstancesNetworkInterface",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>",
"templateType": "java.util.List<ScheduledInstancesNetworkInterface>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**<p>One or more network interfaces.</p>\n@param networkInterfaces One or
more network interfaces.*/
}*
setterMethodName" : "setNetworkInterfaces",
setterModel" : {
"variableDeclarationType" :
"com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<ScheduledInstancesNetworkInterface>>",
"documentation" : "",
"simpleType" : "List<ScheduledInstancesNetworkInterface>>",
"variableSetterType" : "java.util.Collection<ScheduledInstancesNetworkInterface>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setNetworkInterfaces(java.util.Collection)\} or \{@link #withNetworkInterfaces(java.util.Collection)\} if you want to override the existing values.</p><p><i>@param networkInterfaces One or more network interfaces.</i></p><p><i><i>\n</i>@return Returns a reference to this object so that method calls can be chained together.</i></p>*/",
"variable" : {
"variableDeclarationType" :
"com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<ScheduledInstancesNetworkInterface>>",
"documentation" : "<p>One or more network interfaces.</p>

"simpleType" : "List<ScheduledInstancesNetworkInterface>"
"variableSetterType" : "java.util.Collection<ScheduledInstancesNetworkInterface>",
"xmlNameSpaceUri" : null
},
"c2jName" : "IamInstanceProfile",
"c2jShape" : "ScheduledInstancesIamInstanceProfile",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p><p><i>@param iamInstanceProfile The IAM instance profile.</i></p><p><i><i>\n</i>@return Returns a reference to this object so that method calls can be chained together.</i></p>*/",
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile.</p><p><i>@return The IAM instance profile.</i></p>*/",
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
"returnType" : "ScheduledInstancesIamInstanceProfile",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IamInstanceProfile",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IamInstanceProfile",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**\n*p The IAM instance profile.</p>
@\n@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstancesIamInstanceProfile",
  "variableName" : "iamInstanceProfile",
  "variableType" : "ScheduledInstancesIamInstanceProfile",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesIamInstanceProfile",
  "variableSetterType" : "ScheduledInstancesIamInstanceProfile"
 },
"simple" : false,
"varargSetterDocumentation" : "/**\n*p The IAM instance profile.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstancesIamInstanceProfile",
  "variableName" : "iamInstanceProfile",
  "variableType" : "ScheduledInstancesIamInstanceProfile",
  "documentation" : "<p>The IAM instance profile.</p>
  "variableSetterType" : "ScheduledInstancesIamInstanceProfile"
 },
"xmlNameSpaceUri" : null
},
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. <p> <p>Default: <code>false</code> <p>".
"enumType" : null,
"fluentSetterDocumentation" : "/**\n*p Indicates whether the instances are optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 

Default: `<code>false</code>`

@returns Returns a reference to this object so that method calls can be chained together.

```java
"fluentsetMethodname": "withEbsOptimized",

"getDocumentation": "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code></p>\n@media returns Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code></p>\n@media returns Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. */
```

```java
Ryan<br>
return
```

```java
"getSetterMethodname": "getEbsOptimized",

"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "EbsOptimized",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "EbsOptimized",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "EbsOptimized",

"setterDocumentation": "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code></p>\n@media returns Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. */
```

```java
Ryan<br>
return
```
Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: `false`

```
@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: `false`

@return Returns a reference to this object so that method calls can be chained together.
```
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BlockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstancesBlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstancesBlockDeviceMapping",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location": null,
"marshallLocationName": "BlockDeviceMapping",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "BlockDeviceMapping",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ScheduledInstancesBlockDeviceMapping",
  "variableName": "member",
  "variableType": "ScheduledInstancesBlockDeviceMapping",
  "documentation": "",
  "simpleType": "ScheduledInstancesBlockDeviceMapping",
  "variableSetterType": "ScheduledInstancesBlockDeviceMapping"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ScheduledInstancesBlockDeviceMapping",
  "variableName": "member",
  "variableType": "ScheduledInstancesBlockDeviceMapping",
  "documentation": "",
  "simpleType": "ScheduledInstancesBlockDeviceMapping",
  "variableSetterType": "ScheduledInstancesBlockDeviceMapping"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "BlockDeviceMapping",
"memberType": "ScheduledInstancesBlockDeviceMapping",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryStringEncoding": false,
"simple": false,
"simpleType": "ScheduledInstancesBlockDeviceMapping",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
"templateType": "java.util.List<ScheduledInstancesBlockDeviceMapping>"
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.*/
@param blockDeviceMappings One or more block device mapping entries.*"",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstancesBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesBlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/*
One or more block device mapping entries.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or { @link #withBlockDeviceMappings(java.util.Collection)) if you want to override the existing values. Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
  "documentation" : "One or more block device mapping entries.

**NOTE:** This method appends the values to the existing list (if any). Use { @link #setBlockDeviceMappings(java.util.Collection)} or { @link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values. Returns a reference to this object so that method calls can be chained together.*"",
  "xmlNameSpaceUri" : null
},
"EbsOptimized" : {
  "c2jName" : "EbsOptimized",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. <p>Default: <code>false</code> </p>"
}
available with all instance types. Additional usage charges apply when using an EBS-optimized instance.<p></p>
<p>Default: <code>false</code>

@returns Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withEbsOptimized",
    "getterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. </p>

<p>Default: <code>false</code></p>

@returns Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. */",
    "getterMethodName" : "getEbsOptimized",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "EbsOptimized",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "EbsOptimized",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "EbsOptimized",
    "setterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. */",

<p>Default: <code>false</code></p>

@returns Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. */",
    "setterMethodName" : "setEbsOptimized",
    "setterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    }
}
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
],
"simple" : true,
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@param ebsOptimized
Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The IAM instance profile.</p>
@return The IAM instance profile.</p>
@return The IAM instance profile.</p>
@return The IAM instance profile.</p>
@return The IAM instance profile.</p>
@return The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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      "documentation" : null
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  "modelName": "IamInstanceProfile",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "enumType": "null,

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@param imageId The ID of the Amazon Machine Image (AMI).*/",
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  "variableType": "String",
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@return The instance type.*/",
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
,
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "*/p>The ID of the kernel.</p>@return The ID of the kernel.*"/
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"isStreaming" : false,
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"unmarshallLocationName" : "KernelId",}
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"greedy" : false,
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"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
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@param keyName The name of the key pair.*/",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
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  "deprecated" : false,
  "documentation" : "<p>Enable or disable monitoring for the instances.</p>"
"enumType": null,
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"mapModel": null,
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    "variableType": "ScheduledInstancesMonitoring",
    "documentation": "",
    "simpleType": "ScheduledInstancesMonitoring",
    "variableSetterType": "ScheduledInstancesMonitoring"
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"simple": false,
"varargSetterDocumentation": "/**\n* Enable or disable monitoring for the instances.\n* @param monitoring Enable or disable monitoring for the instances.\n* @return Returns a reference to this object so that method calls can be chained together.*/"}
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  "c2jShape" : "ScheduledInstancesNetworkInterfaceSet",
  "deprecated" : false,
  "documentation" : "<p>One or more network interfaces.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaces",
  "getterDocumentation" : "/**<p>One or more network interfaces.</p>
@return One or more network interfaces.*/",
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    "statusCode" : false,
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    "interfaceType" : "java.util.List",
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    }
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@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "documentation" : null
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  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "NetworkInterface",
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"list" : false,
"listModel" : null,
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"setterModel" : {
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  "variableType" : "ScheduledInstancesNetworkInterface",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesNetworkInterface",
  "variableSetterType" : "ScheduledInstancesNetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableName" : "member",
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  "variableSetterType" : "ScheduledInstancesNetworkInterface"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "NetworkInterface",
"memberType" : "ScheduledInstancesNetworkInterface",
"map" : false,
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"memberAdditionalMarshallingPath" : null,
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"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstancesNetworkInterface",
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"templateType" : "java.util.List<ScheduledInstancesNetworkInterface>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**
 * One or more network interfaces.
 */
@param networkInterfaces One or more network interfaces.*/
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"setterModel" : {
  "variableDeclarationType" : 
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  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<ScheduledInstancesNetworkInterface>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstancesNetworkInterface>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesNetworkInterface>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * One or more network interfaces.*/
 * 
 * NOTE: This method appends the values to the existing list (if any). Use {
 * @link #setNetworkInterfaces(java.util.Collection)} or {
 * @link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.*/
 * 
 * @param networkInterfaces One or more network interfaces.*/
 * @return Returns a reference to this object so that method calls can be chained together.*/
","variable" : {
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  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<ScheduledInstancesNetworkInterface>",
  "documentation" : "",
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  "variableSetterType" : "java.util.Collection<ScheduledInstancesNetworkInterface>"
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 * One or more network interfaces.*/
 * 
 * NOTE: This method appends the values to the existing list (if any). Use {
 * @link #setNetworkInterfaces(java.util.Collection)} or {
 * @link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.*/
 * 
 * @param networkInterfaces One or more network interfaces.*/
 * @return Returns a reference to this object so that method calls can be chained together.*/
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"documentation": "",
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"simple": false,
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"simpleType": "ScheduledInstancesPlacement",
"variableSetterType": "ScheduledInstancesPlacement"
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"xmlNameSpaceUri": null
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"RamdiskId": {
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"c2jShape": "String",
"deprecated": false,
"documentation": "p>The ID of the RAM disk.</p>
"enumType": null,
"fluentSetterDocumentation": "/**p>The ID of the RAM disk.</p>@param ramdiskId The ID of the RAM disk.</p>@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName": "withRamdiskId",
"getterDocumentation": "/**p>The ID of the RAM disk.</p>@return The ID of the RAM disk.*/
"getterMethodName": "getRamdiskId",
"getterModel": {
"returnType": "String",
"documentation": null
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"location": null,
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"queryString": false,
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"idempotencyToken" : false,
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  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"statusCode" : false,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
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      "greedy" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SecurityGroupId",
      "uri" : false
    },
  }
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
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"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
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"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
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"map" : false,
"mapModel" : null,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n * The ID of the subnet in which to launch the instances.\n * @param subnetId The ID of the subnet in which to launch the instances.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "The ID of the subnet in which to launch the instances.\n * @param subnetId The ID of the subnet in which to launch the instances.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The base64-encoded MIME user data.\n * @param userData The base64-encoded MIME user data.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The base64-encoded MIME user data.\n * @return Returns a reference to this object so that method calls can be chained together.*/"
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"fluentSetterMethodName": "withUserData",
"getterDocumentation": "/**<p>The base64-encoded MIME user data.</p>
@return The base64-encoded MIME user data.*/",
"getterMethodName": "getUserData",
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "isStreaming": false,
  "location": null,
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  "queryString": false,
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"setterMethodName": "setUserData",
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  "variableName": "userData",
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@param userData The base64-encoded MIME user data.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String"}
"documentation" : "The base64-encoded MIME user data."},
"simpleType" : "String",
"variableSetterType" : "String"
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"variableName" : "scheduledInstancesLaunchSpecification",
"variableType" : "ScheduledInstancesLaunchSpecification",
"documentation" : null,
"simpleType" : "ScheduledInstancesLaunchSpecification",
"variableSetterType" : "ScheduledInstancesLaunchSpecification"
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"ScheduledInstancesMonitoring" : {
"c2jName" : "ScheduledInstancesMonitoring",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "Describes whether monitoring is enabled for a Scheduled Instance."},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
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"hasStatusCodeMember" : false,
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"deprecated" : false,
"documentation" : "Indicates whether monitoring is enabled."},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
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*return Returns a reference to this object so that method calls can be chained together."*/",
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*return Indicates whether monitoring is enabled.*/",
"getterMethodName" : "getEnabled",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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*return Returns a reference to this object so that method calls can be chained together."*/",
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*return Returns a reference to this object so that method calls can be chained together."*/",
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*return Indicates whether monitoring is enabled.*/",
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"variableType" : "Boolean",
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    "c2jShape" : "Boolean",
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    "documentation" : "<p>Indicates whether monitoring is enabled.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
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Indicates whether monitoring is enabled.<br/>
@return Indicates whether monitoring is enabled.<br/>
@returns Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@return Indicates whether monitoring is enabled.*/",
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      "documentation" : null
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      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "Enabled",
      "uri" : false
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    "listModel" : null,
    "map" : false,
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  "variableSetterType" : "Boolean"
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@param enabled Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "ScheduledInstancesMonitoring",
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  "variableSetterType" : "ScheduledInstancesMonitoring"
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"ScheduledInstancesNetworkInterface" : {
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"skipGeneratingUnmarshaller" : false
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ ]
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  "enumType" : null,
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  "getterDocumentation" : "The ID of the network interface.",
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    "documentation" : null
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    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "NetworkInterfaceId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
"map" : false,
"mapModel" : null,
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The index of the device for the network interface attachment.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The index of the device for the network interface attachment.</p>
@param deviceIndex The index of the device for the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "/**<p>The index of the device for the network interface attachment.</p>
  @return The index of the device for the network interface attachment.*/",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeviceIndex",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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  "variableType" : "Integer",
  "documentation" : "",
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  "variableSetterType" : "Integer",
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The index of the device for the network interface attachment.</p>
@param deviceIndex The index of the device for the network interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "variableType" : "Integer",
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  "simpleType" : "Integer",
  "variableSetterType" : "Integer",
},
"xmlNameSpaceUri" : null,
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the subnet.\n\n@return The ID of the subnet.*\*/",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the subnet.\n\n@return The ID of the subnet.*\*/"}
subnet.

@return Returns a reference to this object so that method calls can be chained together.*/

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  "documentation" : null
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"list" : false,
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  "variableType" : "String",
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  "variableType" : "String",
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  "simpleType" : "String"}
"variableSetterType": "String",
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},
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The description.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The description.</p>
@param description The description.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/**<p>The description.</p>
@return The description.*/",
"getterMethodName": "getDescription",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Description",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Description",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**<p>The description.</p>
@param description The description.
*/",
"setterMethodName": "setDescription",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "description",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
Retrieves a reference to this object so that method calls can be chained together.

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "The description."
},
"xmlNameSpaceUri" : null
},

"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv4 address of the network interface within the subnet."

```
Returns a reference to this object so that method calls can be chained together.

```
"fluentSetterDocumentation" : "The IPv4 address of the network interface within the subnet."

```

```
"getterDocumentation" : "The IPv4 address of the network interface within the subnet.

```

```
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}

```

```
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PrivateIpAddress",
  "uri" : false
},

```

```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,

```
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>@param privateIpAddress The IPv4 address of the network interface within the subnet.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>@param privateIpAddress The IPv4 address of the network interface within the subnet.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
"c2jName" : "PrivateIpAddressConfigs",
"c2jShape" : "PrivateIpAddressConfigSet",
"deprecated" : false,
"documentation" : "<p>The private IPv4 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 addresses.</p>@param privateIpAddressConfigs The private IPv4 addresses.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddressConfigs",
"getterDocumentation" : "/**<p>The private IPv4 addresses.</p>@return The private IPv4 addresses.</p>",
"getterMethodName" : "getPrivateIpAddressConfigs",
"getterModel" : {
    "returnType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,

"marshallLocationName" : "PrivateIpAddressConfig",
"queryString" : false,
"statusCode" : false,

"unmarshallLocationName" : "PrivateIpAddressConfig",
"uri" : false,

"idempotencyToken" : false,
"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstancesPrivateIpAddressConfig",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    @param member
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstancesPrivateIpAddressConfig",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "PrivateIpAddressConfigSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "PrivateIpAddressConfigSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"variableType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
"documentation" : "",
"simpleType" : "List<ScheduledInstancesPrivateIpAddressConfig>",
"variableSetterType" : "java.util.Collection<ScheduledInstancesPrivateIpAddressConfig>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n <p>The private IPv4 addresses.</p>
 <p>NOTE: This method appends the values to the existing list (if any). Use @link #setPrivateIpAddressConfigs(java.util.Collection) or @link #withPrivateIpAddressConfigs(java.util.Collection) if you want to override the existing values.</p>
 @param privateIpAddressConfigs The private IPv4 addresses.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesPrivateIpAddressConfig>",
 "variableName" : "privateIpAddressConfigs",
 "variableType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
 "documentation" : "<p>The private IPv4 addresses.</p>",
 "simpleType" : "List<ScheduledInstancesPrivateIpAddressConfig>",
 "variableSetterType" : "java.util.Collection<ScheduledInstancesPrivateIpAddressConfig>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SecondaryPrivateIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of secondary private IPv4 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n <p>The number of secondary private IPv4 addresses.</p>
 @param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "/**\n <p>The number of secondary private IPv4 addresses.</p>
 @return The number of secondary private IPv4 addresses.*/",
"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SecondaryPrivateIpAddressCount",
 "xmlNameSpaceUri" : null
}
"queryString" : false,
"status_code" : false,
"unmarshallLocationName" : "SecondaryPrivateIpAddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**<p>The number of secondary private IPv4 addresses.</p>
@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.</p>\n@param return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSecondaryPrivateIpAddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of secondary private IPv4 addresses.</p>\n@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "The number of secondary private IPv4 addresses.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
},
{ "c2jName" : "AssociatePublicIpAddress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is \n@code>true</code>.*</p>\n@code>true</code>.*</p>
@code>true</code>.*</p>
@code>true</code>.*

"enumType" : null,
"fluentSetterDocumentation" : "Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.*"
Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.

```
/**
 * Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is true.
 */

public boolean getAssociatePublicIpAddress();
```

```
/**
 * Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is true.
 */

public void setAssociatePublicIpAddress(boolean associatePublicIpAddress);
```
"setterMethodName": "setAssociatePublicIpAddress",
"setterModel": {
    "variableDeclarationType": "Boolean",
    "variableName": "associatePublicIpAddress",
    "variableType": "Boolean",
    "documentation": "",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.\</p>\n@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "Boolean",
    "variableName": "associatePublicIpAddress",
    "variableType": "Boolean",
    "documentation": "\p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.\</p>",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
},
"c2jName": "Groups",
"c2jShape": "ScheduledInstancesSecurityGroupIdSet",
"deprecated": false,
"documentation": "\p>The IDs of one or more security groups.</p>",
"enumType": null,
"fluentSetterDocumentation": "\/*\p>The IDs of one or more security groups.</p>\n@param groups The IDs of one or more security groups.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGroups",
"getterDocumentation": "\/*\p>The IDs of one or more security groups.</p>\n@return The IDs of one or more security groups.*/",
"getterMethodName": "getGroups",
"getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
}"
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Group",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Group",
  "uri": false
},
/idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member \n     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethod": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "SecurityGroupId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "SecurityGroupId",
      "uri": false
    
  }"
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
}
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/*\n@groups
The IDs of one or more security groups.*/",s
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "groups",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\n * The IDs of one or more security groups.\n * \n * <b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setGroups(java.util.Collection)\} or \{@link #withGroups(java.util.Collection)\} if you want to override the existing values.\n */\n * @param groups The IDs of one or more security groups.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "groups",
  "variableType": "java.util.List<String>",
  "documentation": "The IDs of one or more security groups.\n * \n * <p>The IDs of one or more security groups.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null,
"c2jName": "DeleteOnTermination",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Indicates whether to delete the interface when the instance is terminated.\n * \n * Indicates whether to delete the interface when the instance is terminated.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "Indicates whether to delete the interface when the instance is terminated.\n * \n * Indicates whether to delete the interface when the instance is terminated.\n * \n * @return Indicates whether to delete the interface when the instance is terminated.\n */",
"getterMethodName": "getDeleteOnTermination",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
**Indicates whether to delete the interface when the instance is terminated.**

@returns

A reference to this object so that method calls can be chained together.

**Indicates whether to delete the interface when the instance is terminated.**

@returns

A reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**\n * One or more specific IPv6 addresses from the subnet range.<p/>
 @return One or more specific IPv6 addresses from the subnet range.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstancesIpv6Address>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6Address",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Ipv6Address",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstancesIpv6Address",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n @param member \n @return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstancesIpv6Address",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Address",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Ipv6Address",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstancesIpv6Address",
  "variableName" : "member",
  "variableType" : "ScheduledInstancesIpv6Address",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesIpv6Address",
  "variableSetterType" : "ScheduledInstancesIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstancesIpv6Address",
  "variableName" : "member",
  "variableType" : "ScheduledInstancesIpv6Address",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesIpv6Address",
  "variableSetterType" : "ScheduledInstancesIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Ipv6Address",
"memberType" : "ScheduledInstancesIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstancesIpv6Address"
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
"templateType" : "java.util.List<ScheduledInstancesIpv6Address>
",
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>One or more specific IPv6 addresses from the subnet range.</p>
@param
ipv6Addresses One or more specific IPv6 addresses from the subnet range.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
 "variableName" : "ipv6Addresses",
 "variableType" : "java.util.List<ScheduledInstancesIpv6Address>",
 "documentation" : "",
 "simpleType" : "List<ScheduledInstancesIpv6Address>",
 "variableSetterType" : "java.util.Collection<ScheduledInstancesIpv6Address>
",
 "simple" : false,
 "varargSetterDocumentation" : "/**<p>One or more specific IPv6 addresses from the subnet range.</p>
@param
ipv6Addresses One or more specific IPv6 addresses from the subnet range.
*/",
 "variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
 "variableName" : "ipv6Addresses",
 "variableType" : "java.util.List<ScheduledInstancesIpv6Address>",
 "documentation" : "One or more specific IPv6 addresses from the subnet range.
",
 "simpleType" : "List<ScheduledInstancesIpv6Address>",
 "variableSetterType" : "java.util.Collection<ScheduledInstancesIpv6Address>
",
 "xmlNameSpaceUri" : null
},
 "c2jName" : "Ipv6AddressCount",
 "c2jShape" : "Integer",
 "deprecated" : false,
 "documentation" : "The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.
",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>
@param
ipv6AddressCount The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.
*/",
 "fluentSetterMethodName" : "withIpv6AddressCount",
 "getterDocumentation" : "/**<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>
@return
The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.
*/",
 "getterMethodName" : "getIpv6AddressCount",
"xmlNameSpaceUri" : null}
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6AddressCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Ipv6AddressCount",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**\n * The number of IPv6 addresses to assign to the network interface. The IPv6 addresses
 * are automatically selected from the subnet range.\n */",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ipv6AddressCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The number of IPv6 addresses to assign to the network interface. The IPv6 addresses
 * are automatically selected from the subnet range.\n */",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ipv6AddressCount",
    "variableType" : "Integer",
    "documentation" : "\n * The number of IPv6 addresses to assign to the network interface. The IPv6 addresses
are automatically selected from the subnet range.

"simpleType" : "Integer",
"variableSetterType" : "Integer"
}
,"xmlNameSpaceUri" : null
}]},
"membersAsMap" : {
"AssociatePublicIpAddress" : {
"c2jName" : "AssociatePublicIpAddress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>\n@return Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.
@return Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociatePublicIpAddress",
"getterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>
@return Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.*/",
"getterMethodName" : "getAssociatePublicIpAddress",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociatePublicIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociatePublicIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociatePublicIpAddress",
"setterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>
@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.*/",
"setterMethodName" : "setAssociatePublicIpAddress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>
@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<br>\n@<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>",
  "simpleType" : "Boolean"
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"DeleteOnTermination" : [
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to delete the interface when the instance is terminated.</p>*/
@<param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.
@<return Returns a reference to this object so that method calls can be chained together.*/
",,
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether to delete the interface when the instance is terminated.</p>
@<return Indicates whether to delete the interface when the instance is terminated.*/
",,
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeleteOnTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether to delete the interface when the instance is terminated.</p>*/
@<param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.
@<return Returns a reference to this object so that method calls can be chained together.*/
",,
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to delete the interface when the instance is terminated.\n@\param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>
@param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>
@param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>
@param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>
@param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n<p>The description.</p>
@param description The description.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The description.</p>
@param description The description.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DeviceIndex" : {
  "c2jName" : "DeviceIndex",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The index of the device for the network interface attachment.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n<p>The index of the device for the network interface attachment.</p>
@param deviceIndex The index of the device for the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDeviceIndex",
  "getterDocumentation" : "/*\n<p>The index of the device for the network interface attachment.</p>
@return The index of the device for the network interface attachment.*/",
  "getterMethodName" : "getDeviceIndex",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "DeviceIndex",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DeviceIndex",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**<p>The index of the device for the network interface attachment.</p>
@param deviceIndex The index of the device for the network interface attachment.*/",
"setterMethodName" : "setDeviceIndex",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "deviceIndex",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The index of the device for the network interface attachment.</p>
@param deviceIndex The index of the device for the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "deviceIndex",
    "variableType" : "Integer",
    "documentation" : "<p>The index of the device for the network interface attachment.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
},
"Groups" : {
    "c2jName" : "Groups"
"c2jShape" : "ScheduledInstancesSecurityGroupIdSet",
"deprecated" : false,
"documentation" : "&lt;p&gt;The IDs of one or more security groups.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The IDs of one or more security groups.&lt;/p&gt;&lt;param name="groups" type="java.util.List&lt;String&gt;"&gt;The IDs of one or more security groups.&lt;/param&gt;&lt;return&gt;Returns a reference to this object so that method calls can be chained together.&lt;/return&gt;*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**&lt;p&gt;The IDs of one or more security groups.&lt;/p&gt;&lt;return&gt;The IDs of one or more security groups.&lt;/return&gt;*/",
"getterMethodName" : "getGroups",
"getterModel" : {
    "returnType" : "java.util.List&lt;String&gt;",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Group",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Group",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**&lt;param name="member" type="String"&gt;A member of the list.&lt;/param&gt;&lt;return&gt;Returns a reference to this object so that method calls can be chained together.&lt;/return&gt;*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**&lt;return &gt;*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : ""}
"documentation" : null,
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",

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"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"}

"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**\n<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.*/",
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "groups",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The IDs of one or more security groups.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "groups",
  "variableType": "java.util.List<String>",
  "documentation": "The IDs of one or more security groups.",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"Ipv6AddressCount": {
  "c2jName": "Ipv6AddressCount",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**\nThe number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n"
IPv6 addresses are automatically selected from the subnet range.

```java
@Param int ipv6AddressCount  
    The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.

@return  
    Returns a reference to this object so that method calls can be chained together.

/**  
   * The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.  
   */

public class Ipv6AddressCount {
    private int ipv6AddressCount;

    public Ipv6AddressCount withIpv6AddressCount(int ipv6AddressCount) {
        this.ipv6AddressCount = ipv6AddressCount;
        return this;
    }

    public int getIpv6AddressCount() {
        return ipv6AddressCount;
    }

    public void setIpv6AddressCount(int ipv6AddressCount) {
        this.ipv6AddressCount = ipv6AddressCount;
    }
}
```
IPv6 addresses are automatically selected from the subnet range.

```java
@get
public java.util.List<ScheduledInstancesIpv6Address> getIpv6Addresses();
```

```java
@set
public ScheduledInstances withIpv6Addresses(java.util.List<ScheduledInstancesIpv6Address> ipv6Addresses);```

@constructor
```java
public ScheduledInstances(...)
```
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "ScheduledInstancesIpv6Address",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "ScheduledInstancesIpv6Address",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Ipv6Address",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "Ipv6Address",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "ScheduledInstancesIpv6Address",
            "variableName" : "member",
            "variableType" : "ScheduledInstancesIpv6Address",
            "documentation" : "",
            "simpleType" : "ScheduledInstancesIpv6Address",
            "variableSetterType" : "ScheduledInstancesIpv6Address"
        }
    }
}
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<ScheduledInstancesIpv6Address>",
"documentation" : "<p>One or more specific IPv6 addresses from the subnet range.</p>",
"simpleType" : "List<ScheduledInstancesIpv6Address>",
"variableSetterType" : "java.util.Collection<ScheduledInstancesIpv6Address>"}
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
  @param networkInterfaceId The ID of the network interface.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>
  @return The ID of the network interface.*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NetworkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>
  @param networkInterfaceId The ID of the network interface.*/"}
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,

"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\<p>The IPv4 address of the network interface within the subnet.</p>\n@param privateIpAddress The IPv4 address of the network interface within the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**\<p>The IPv4 address of the network interface within the subnet.</p>\n@return The IPv4 address of the network interface within the subnet.*/",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
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    "documentation" : null
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"unmarshallLocationName" : "PrivateIpAddress",
"uri" : false
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"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : ".",
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"variableSetterType" : "String"
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"variableType" : "String",
"documentation" : ", The IPv4 address of the network interface within the subnet.\n",
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"variableSetterType" : "String"
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"PrivateIpAddressConfigs" : {
"c2jName" : "PrivateIpAddressConfigs",
"c2jShape" : "PrivateIpAddressConfigSet",
"deprecated" : false,
"documentation" : ", The private IPv4 addresses.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nThe private IPv4 addresses.\n@param privateIpAddressConfigs The private IPv4 addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddressConfigs",}
"getterDocumentation" : "/**\n*p> The private IPv4 addresses.</p>\n@returns The private IPv4 addresses.*/",
"getterMethodName" : "getPrivateIpAddressConfigs",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddressConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PrivateIpAddressConfig",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "ScheduledInstancesPrivateIpAddressConfig",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
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"templateType": "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",

"map": false,

"mapModel": null,

"name": "PrivateIpAddressConfigs",

"setterDocumentation": "/**<p>The private IPv4 addresses.</p>
@param privateIpAddressConfigs The private IPv4 addresses.*/",

"setterMethodName": "setPrivateIpAddressConfigs",

"setterModel": {

  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesPrivateIpAddressConfig>",

  "variableName": "privateIpAddressConfigs",

  "variableType": "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",

  "documentation": ":",

  "simpleType": "List<ScheduledInstancesPrivateIpAddressConfig>",

  "variableSetterType": "java.util.Collection<ScheduledInstancesPrivateIpAddressConfig>"

},

"simple": false,

"varargSetterDocumentation": "/**<p>The private IPv4 addresses.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPrivateIpAddressConfigs(java.util.Collection)} or {@link #withPrivateIpAddressConfigs(java.util.Collection)} if you want to override the existing values.</p>\
@param privateIpAddressConfigs The private IPv4 addresses.\
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {

  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesPrivateIpAddressConfig>",

  "variableName": "privateIpAddressConfigs",

  "variableType": "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",

  "documentation": ":<p>The private IPv4 addresses.</p>

  "simpleType": "List<ScheduledInstancesPrivateIpAddressConfig>",

  "variableSetterType": "java.util.Collection<ScheduledInstancesPrivateIpAddressConfig>"

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"xmlNameSpaceUri": null
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"SecondaryPrivateIpAddressCount": {

  "c2jName": "SecondaryPrivateIpAddressCount",

  "c2jShape": "Integer",

  "deprecated": false,

  "documentation": ":<p>The number of secondary private IPv4 addresses.</p>

  "enumType": null,

  "fluentSetterDocumentation": "/**<p>The number of secondary private IPv4 addresses.</p>

  @param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.\
  @return Returns a reference to this object so that method calls can be chained together.*/",

  "fluentSetterMethodName": "withSecondaryPrivateIpAddressCount",

  "getterDocumentation": "/**<p>The number of secondary private IPv4 addresses.</p>

  @param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.\
  @return The number of secondary private IPv4 addresses.*/",

  "getterMethodName": "getSecondaryPrivateIpAddressCount",

  "getterModel": {

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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of the subnet.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;n&gt;\n@returns Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/*&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;n&gt;\n@returns The ID of the subnet.*/&lt;/p&gt;",
  "getterMethodName" : "getSubnetId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
    "header" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SubnetId",
    "uri" : false
  },
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SubnetId",
  "setterDocumentation" : "/*&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;n&gt;\n@returns The ID of the subnet.*/&lt;/p&gt;",
  "setterMethodName" : "setSubnetId",
  "setterModel" : {
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    "variableName" : "subnetId",
    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
  },
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "The ID of the subnet."
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"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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  "variableName" : "scheduledInstancesNetworkInterface",
  "variableType" : "ScheduledInstancesNetworkInterface",
  "documentation" : null,
  "simpleType" : "ScheduledInstancesNetworkInterface",
  "variableSetterType" : "ScheduledInstancesNetworkInterface"
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"wrapper" : false
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"ScheduledInstancesPlacement" : {
  "c2jName" : "ScheduledInstancesPlacement",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes the placement for a Scheduled Instance."
};
"members" : [ 
  { 
    "c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Availability Zone.</p>
@returns A reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withAvailabilityZone",
    "getterDocumentation" : "/**<p>The Availability Zone.</p>
@returns The Availability Zone.*\*/",
    "getterMethodName" : "getAvailabilityZone",
    "getterModel" : { 
      "returnType" : "String",
      "documentation" : null
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      "greedy" : false,
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      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "AvailabilityZone",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AvailabilityZone",
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@returns A reference to this object so that method calls can be chained together.*\*/",
    "setterMethodName" : "setAvailabilityZone",
    "setterModel" : { 
      "variableDeclarationType" : "String",
      "variableName" : "availabilityZone",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
  }
]
"varargSetterDocumentation" : "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the placement group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroupName",
  "getterDocumentation" : "/**<p>The name of the placement group.</p>
@return The name of the placement group.*/",
  "getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "marshallLocationName" : "GroupName",
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    "statusCode" : false,
    "unmarshallLocationName" : "GroupName",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "GroupName",
  "name" : "GroupName"}
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the placement group.</p>\n@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : <p>The name of the placement group.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
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  "documentation" : "<p>The Availability Zone.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAvailabilityZone",
  "getterDocumentation" : "/**<p>The Availability Zone.</p>\n@return The Availability Zone.*/",
  "getterMethodName" : "getAvailabilityZone",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
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@param availabilityZone The Availability Zone.
*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the placement group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the placement group.</p>
@returns The name of the placement group.
*/"}
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "GroupName",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "GroupName",
    "setterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of the placement group.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setGroupName",
    "setterModel" : {
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        "variableName" : "groupName",
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        "simpleType" : "String",
        "variableSetterType" : "String"
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    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableType" : "String",
        "documentation" : "<p>The name of the placement group.</p>",
        "simpleType" : "String"
"variableSetterType" : "String",
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"xmlNameSpaceUri" : null
}
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ScheduledInstancesPlacement",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
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"variableName" : "scheduledInstancesPlacement",
"variableType" : "ScheduledInstancesPlacement",
"documentation" : null,
"simpleType" : "ScheduledInstancesPlacement",
"variableSetterType" : "ScheduledInstancesPlacement"
},
"wrapper" : false
",
"ScheduledInstancesPrivateIpAddressConfig" : {
"c2jName" : "ScheduledInstancesPrivateIpAddressConfig",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a private IPv4 address for a Scheduled Instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 address.</p>@param privateIpAddress The IPv4 address.</param><br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : null
}]}
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The IPv4 address.</p>
\n@\nreturn The IPv4 address.</p>*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PrivateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The IPv4 address.</p>
\n@\nparam privateIpAddress The IPv4 address.</p>*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 address.</p>
\n@\nparam privateIpAddress The IPv4 address.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null,
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address. Otherwise, this is a secondary IPv4 address. <p><span>param primary Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.</param> <p><span>return Returns a reference to this object so that method calls can be chained together.</span></p>*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address. Otherwise, this is a secondary IPv4 address.</p>
@return Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address. Otherwise, this is a secondary IPv4 address.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address. Otherwise, this is a secondary IPv4 address. <p><span>param primary Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.</param> <p><span>return Returns a reference to this object so that method calls can be chained together.</span></p>*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"xmlNameSpaceUri" : null
}
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4
address.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"Primary" : {
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4
address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@return Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,

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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4
address.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",

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"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "<p>The IPv4 address.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ScheduledInstancesPrivateIpAddressConfig",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ScheduledInstancesPrivateIpAddressConfig",
"variableName" : "scheduledInstancesPrivateIpAddressConfig",
"variableType" : "ScheduledInstancesPrivateIpAddressConfig",
"documentation" : null,
"simpleType" : "ScheduledInstancesPrivateIpAddressConfig",
"variableSetterType" : "ScheduledInstancesPrivateIpAddressConfig"
},
"wrapper" : false
},
"Scope" : {
"c2jName" : "scope",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ { 
"name" : "AvailabilityZone",
"value" : "Availability Zone"
}, { 
"name" : "Region",
"value" : "Region"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "Scope",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
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  "variableName": "scope",
  "variableType": "Scope",
  "documentation": null,
  "simpleType": "Scope",
  "variableSetterType": "Scope"
},
"wrapper": false,
"SecurityGroup": {
  "c2jName": "SecurityGroup",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes a security group</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [ {
    "c2jName": "OwnerId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The AWS account ID of the owner of the security group.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The AWS account ID of the owner of the security group.</p>\n@returns The AWS account ID of the owner of the security group.*/"",
    "variableDeclarationType": "OwnerId",
    "variableName": "ownerId",
    "variableType": "OwnerId",
    "variableSetterType": "OwnerId"
  } ],
  "wrapper": false
}
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**\n * The AWS account ID of the owner of the security group.
 */\n\n@return The AWS account ID of the owner of the security group. */",
"getterMethodName" : "getOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ownerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**\n * The AWS account ID of the owner of the security group.
 */\n\n@param ownerId The AWS account ID of the owner of the security group.
\n@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The AWS account ID of the owner of the security group.\n */\n\n@param ownerId The AWS account ID of the owner of the security group.\n\n@return Returns a reference to this object so that method calls can be chained together. */
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String"}
"documentation" : "The AWS account ID of the owner of the security group.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
],
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The name of the security group.",
"enumType" : null,
"fluentSetterDocumentation" : '/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/',
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : '/**<p>The name of the security group.</p>
@return The name of the security group.*/',
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : '/**<p>The name of the security group.</p>
@param groupName The name of the security group.*/',
"setterMethodName" : "setGroupName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"name" : "GroupName",
"setterDocumentation" : '/**<p>The name of the security group.</p>
@param groupName The name of the security group.*/',
"setterMethodName" : "setGroupName",
"setterModel" : {
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "<p>The name of the security group.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**<p>The ID of the security group.</p>
@return The ID of the security group.*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the security group.</p>
@param description A description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the security group.</p>
@return A description of the security group.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupDescription",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n @param description A description of the security group.  
 @return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n @param description A description of the security group.  
 @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNamespaceUri" : null,
"c2jName" : "IpPermissions",
"c2jShape" : "IpPermissionList",
"deprecated" : false,
"documentation" : "<p>One or more inbound rules associated with the security group.</p>"
"fluentSetterDocumentation" : "/**
One or more inbound rules associated with the security
group.

@param ipPermissions One or more inbound rules associated with the security group.

@return
Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "/**
One or more inbound rules associated with the security group.

@return
One or more inbound rules associated with the security group.
*/",
"getterMethodName" : "getIpPermissions",
"getterModel" : {
    "returnType" : "java.util.List<IpPermission>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IpPermissions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipPermissions",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "IpPermission",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@return
Returns a reference to this object so that method calls can be chained together.
*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**
@return
*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "IpPermission",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "IpPermission",
"templateImplType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType": "java.util.List<IpPermission>"
},
"map": false,
"mapModel": null,
"name": "IpPermissions",
"setterDocumentation": "<p>One or more inbound rules associated with the security group.</p>
@param ipPermissions One or more inbound rules associated with the security group. */",
"setterMethodName": "setIpPermissions",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName": "ipPermissions",
  "variableType": "java.util.List<IpPermission>",
  "documentation": "",
  "simpleType": "List<IpPermission>",
  "variableSetterType": "java.util.Collection<IpPermission>"
},
"simple": false,
"varargSetterDocumentation": "<p>One or more inbound rules associated with the security group.</p>
@param ipPermissions One or more inbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
"vararg": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName": "ipPermissions",
  "variableType": "java.util.List<IpPermission>",
  "documentation": "One or more inbound rules associated with the security group.
  
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpPermissions(java.util.Collection)} or {@link #withIpPermissions(java.util.Collection)} if you want to override the existing values.</p>
  
  @return Returns a reference to this object so that method calls can be chained together. */",
  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
    "variableName": "ipPermissions",
    "variableType": "java.util.List<IpPermission>",
    "documentation": "One or more inbound rules associated with the security group. */",
    "simpleType": "List<IpPermission>",
    "variableSetterType": "java.util.Collection<IpPermission>"
  },
  "xmlNameSpaceUri": null
},
"c2jName": "IpPermissionsEgress",
"c2jShape": "IpPermissionList",
"deprecated": false,
"documentation": "<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>",
"enumType": null,
"fluentSetterDocumentation": "<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>
@param ipPermissionsEgress One or more outbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withIpPermissionsEgress",
"getterDocumentation": "<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>",
"getterMethodName": "getIpPermissionsEgress"}
"getterModel" : {
  "returnType" : "java.util.List<IpPermission>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpPermissionsEgress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipPermissionsEgress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IpPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member \n     * @return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return *\*/",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "IpPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
    },
  },
}
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/ *\n@ param member \n@ return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>
"},
"map" : false,
"mapModel" : null,
"name" : "IpPermissionsEgress",
"setterDocumentation" : "\/*\p>[EC2-VPC] One or more outbound rules associated with the security 
group.\n\@param ipPermissionsEgress [EC2-VPC] One or more outbound rules associated with the security 
group.*/",
"setterMethodName" : "setIpPermissionsEgress",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissionsEgress",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "\/*\p>[EC2-VPC] One or more outbound rules associated with the security 
group.\n\@param ipPermissionsEgress [EC2-VPC] One or more outbound rules associated with the security 
group.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissionsEgress",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "\p>[EC2-VPC] One or more outbound rules associated with the security group.\p>",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\p>[EC2-VPC] The ID of the VPC for the security group.\p>",
"enumType" : null,
"fluentSetterDocumentation" : "\/*\p>[EC2-VPC] The ID of the VPC for the security group.\n\@param vpcId [EC2-VPC] The ID of the VPC for the security group.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "\/*\p>[EC2-VPC] The ID of the VPC for the security group.\n\@param vpcId [EC2-VPC] The ID of the VPC for the security group.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n<p>[EC2-VPC] The ID of the VPC for the security group.</p>
@param vpcId [EC2-VPC] The ID of the VPC for the security group.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>[EC2-VPC] The ID of the VPC for the security group.</p>
@param vpcId [EC2-VPC] The ID of the VPC for the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] The ID of the VPC for the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the security group.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the security group.</p>
@return Any tags assigned to the security group.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    }
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
  * @param member */",
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
  },
  "simple": false,
  "varargSetterDocumentation": "/**\n  * @param member 
  * @return Returns a reference to this object so that
  * method calls can be chained together. */",
  "variable": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
  },
  "xmlNameSpaceUri": null
},
  "memberLocationName": "item",
  "memberType": "Tag",
  "map": false,
  "marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
{"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\nAny tags assigned to the security group.*/
@param tags Any tags assigned to the security group.*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>",
"simple" : false,
"varargSetterDocumentation" : "/**\nAny tags assigned to the security group.*/
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.\n</p>
@param tags Any tags assigned to the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "Any tags assigned to the security group.*/",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>",
"xmlnsNamespaceUri" : null
}
,"membersAsMap" : {
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description of the security group.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nA description of the security group.*/
@param description A description of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"documentation" : "A description of the security group.*/"}}
"getterDocumentation" : "/**<p>A description of the security group.</p>
@return A description of the security group.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupDescription",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupDescription",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the security group.</p>
@param description A description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the security group.</p>
@param description A description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : ""}"
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
},
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**<p>The ID of the security group.</p>
@return The ID of the security group.*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"xmlNameSpaceUri" : null
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the
security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "<p>The ID of the security group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name
of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the security group.</p>
@return The name of the security
group.*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : null,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name of the security group.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>The name of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpPermissions" : {
  "c2jName" : "IpPermissions",
  "c2jShape" : "IpPermissionList",
  "deprecated" : false,
  "documentation" : "<p>One or more inbound rules associated with the security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more inbound rules associated with the security group.</p>
@param ipPermissions One or more inbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "IpPermission",
    "variableName" : "ipPermission",
    "variableType" : "IpPermission",
    "documentation" : "<p>One or more inbound rules associated with the security group.</p>",
    "returnType" : "java.util.List("IpPermission")",
    "documentation" : null
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpPermissions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipPermissions",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IpPermission",
    "deprecated" : false,
    "documentation" : ""
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**<p>One or more inbound rules associated with the security group.</p>
@param ipPermissions One or more inbound rules associated with the security group.</*/",
"setterMethodName" : "setIpPermissions"
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName": "ipPermissions",
  "variableType": "java.util.List<IpPermission>",
  "documentation": "",
  "simpleType": "List<IpPermission>",
  "variableSetterType": "java.util.Collection<IpPermission>",
},
"simple": false,
"varargSetterDocumentation": "/** One or more inbound rules associated with the security group.*/
@link #setIpPermissions(java.util.Collection) or @link #withIpPermissions(java.util.Collection) if you want to override the existing values.
@defaultValue @param ipPermissions One or more inbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName": "ipPermissions",
  "variableType": "java.util.List<IpPermission>",
  "documentation": "One or more inbound rules associated with the security group.",
  "simpleType": "List<IpPermission>",
  "variableSetterType": "java.util.Collection<IpPermission>",
},
"xmlNameSpaceUri": null
},
"IpPermissionsEgress": {
  "c2jName": "IpPermissionsEgress",
  "c2jShape": "IpPermissionList",
  "deprecated": false,
  "documentation": "One or more outbound rules associated with the security group.*/",
  "enumType": null,
  "fluentSetterDocumentation": "One or more outbound rules associated with the security group.*/
@link #withIpPermissionsEgress(java.util.Collection) or @link #setIpPermissionsEgress(java.util.Collection) if you want to override the existing values.
@defaultValue @param ipPermissionsEgress One or more outbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withIpPermissionsEgress",
  "getterDocumentation": "One or more outbound rules associated with the security group.*/
@link #getIpPermissionsEgress()
@return IpPermissionsEgress
@getterMethodMetadata name="getIpPermissionsEgress"
@getterModel
  "returnType": "java.util.List<IpPermission>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
  "simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
  "xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissionsEgress",
"setterDocumentation" : "/**
[EC2-VPC] One or more outbound rules associated with the security group.

@param ipPermissionsEgress [EC2-VPC] One or more outbound rules associated with the security group.*/",
"setterMethodName" : "setIpPermissionsEgress",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissionsEgress",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
  "simple" : false,
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* One or more outbound rules associated with the security group.\n*/
@note This method appends the values to the existing list (if any). Use \{ @link 
#setIpPermissionsEgress(java.util.Collection) \} or \{ @link 
#withIpPermissionsEgress(java.util.Collection) \} if you
want to override the existing values.\n@param ipPermissionsEgress [EC2-VPC] One or more outbound rules
associated with the security group.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
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"variableName" : "ipPermissionsEgress",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "<p>[EC2-VPC] One or more outbound rules associated
with the security group.</p>",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"}
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The AWS account ID of the owner of the security group.\n*/
@param ownerId The AWS account ID of the owner of the security group.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**\n* The AWS account ID of the owner of the security group.\n*/
@return The AWS account ID of the owner of the security group.*/",
"getterMethodName" : "getOwnerId",
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"returnType" : "String",
"documentation" : null
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"setterDocumentation": "/**<p>The AWS account ID of the owner of the security group.</p>
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"setterMethodName": "setOwnerId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param ownerId The AWS account ID of the owner of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The AWS account ID of the owner of the security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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  "c2jShape": "TagList",
  "deprecated": false,
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  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Any tags assigned to the security group.</p>
@param tags Any tags assigned to the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withTags",
  "getterDocumentation": "/**<p>Any tags assigned to the security group.</p>
@return Any tags assigned to the security group.*/",
  "getterMethodName": "getTags",
}
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
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    "getterDocumentation" : "/**\n@return \n*/",
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  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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method calls can be chained together.*/",
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  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"setterModel" : {
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  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
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  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the security group.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p>
@param tags Any tags assigned to the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the security group.",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
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  "deprecated" : false,
  "documentation" : "EC2-VPC The ID of the VPC for the security group.",
  "enumType" : null,
  "fluentSetterDocumentation" : "EC2-VPC The ID of the VPC for the security group.
  @param vpcId EC2-VPC The ID of the VPC for the security group.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "EC2-VPC The ID of the VPC for the security group.
  @return [EC2-VPC] The ID of the VPC for the security group.*/",
  "getterMethodName" : "getVpcId",
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"idempotencyToken": false,
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  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,

"varargSetterDocumentation": " /**<p>[EC2-VPC] The ID of the VPC for the security group.</p>
@param vpcId [EC2-VPC] The ID of the VPC for the security group.*/
@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableSetterType" : "SecurityGroup"
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\nThe ID of your security group.
\n@return Returns a reference to this object so that method calls can be chained together.\n\nThe ID of your security group.
\n@return The ID of your security group.\n\nhttp" : {
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  "c2jShape" : "String",
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  "documentation" : "The ID of your security group.
\n@param groupId The ID of your security group.
\n@return Returns a reference to this object so that method calls can be chained together.\n\nThe ID of your security group.
\n@param groupId The ID of your security group.
\n@return The ID of your security group.\n\nhttp" : {"groupId" : "GroupId","c2jName" : "GroupId","c2jShape" : "String","deprecated" : false,"documentation" : "The ID of your security group."}
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@param groupId The ID of your security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of your security group.</p>
@<param groupId The ID of your security group.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "The ID of your security group.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the VPC with the referencing security group.<p>
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"enumType": null,

"fluentSetterDocumentation": /**<p>The ID of the VPC with the referencing security group.</p>
@param referencingVpcId The ID of the VPC with the referencing security group.
@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName": "withReferencingVpcId",

"getterDocumentation": /**<p>The ID of the VPC with the referencing security group.</p>
@return The ID of the VPC with the referencing security group.*/",

"getterMethodName": "getReferencingVpcId",

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  "documentation": null
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  "unmarshallLocationName": "referencingVpcId",
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"list": false,

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@return Returns a reference to this object so that method calls can be chained together.*/",

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@return Returns a reference to this object so that method calls can be chained together.*/"}
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
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    "isPayload" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "vpcPeeringConnectionId",
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcPeeringConnectionId",
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variableDeclarationType" : "String",
variableName" : "vpcPeeringConnectionId",
variableType" : "String",
documentation" : "",
simpleType" : "String",
variableSetterType" : "String"
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simple" : true,
varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
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@return Returns a reference to this object so that method calls can be chained together. */",

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variableType" : "String",
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c2jShape" : "String",
documentation" : "<p>The ID of your security group.</p>

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setterModel" : {
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c2jShape" : "String",
documentation" : "<p>The ID of your security group.</p>

getterMethodName" : "getGroupId",
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documentation" : null
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xmlNameSpaceUri" : null
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membersAsMap" : {
GroupId" : {
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c2jShape" : "String",
documentation" : "<p>The ID of your security group.</p>

getterDocumentation" : "/**<p>The ID of your security group.</p>

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"variableType" : "String",
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of your security group.</p>\n@param groupId The ID of your security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of your security group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"c2jName" : "ReferencingVpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC with the referencing security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the VPC with the referencing security group.</p>\n@param referencingVpcId The ID of the VPC with the referencing security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReferencingVpcId",

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"getterDocumentation" : "/**<p>The ID of the VPC with the referencing security group.</p>
@return The ID of the VPC with the referencing security group.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*\n@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": "",
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@param
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@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
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  "variableName" : "shutdownBehavior",
  "variableType" : "ShutdownBehavior",
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  "variableSetterType" : "ShutdownBehavior"
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  "deprecated" : false,
  "documentation" : "<p>Describes the time period for a Scheduled Instance to start its first schedule. The time period must span less than one day.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
The earliest date and time, in UTC, for the Scheduled Instance to start.

```java
/**
 * The earliest date and time, in UTC, for the Scheduled Instance to start.
 * @param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
 * @return The earliest date and time, in UTC, for the Scheduled Instance to start.
 */

@Param

@get

@set
```

"gettersSetterDocumentation" : "/**\n@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.\n@return The earliest date and time, in UTC, for the Scheduled Instance to start.*/",
"gettersSetterMethodName" : "withEarliestTime",
"getterDocumentation" : "/**\n@Return The earliest date and time, in UTC, for the Scheduled Instance to start.*/",
"getterMethodName" : "getEarliestTime",
"getterModel" : { "returnType" : "java.util.Date", "documentation" : null },
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"setterMethodName" : "setEarliestTime",
"setterModel" : { "variableDeclarationType" : "java.util.Date", "variableName" : "earliestTime",}
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"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"documentation" : "<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>
@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Date",
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>
@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>
@return The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.*/",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"unmarshallLocationName": "LatestTime",
"uri": false
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"list": false,
"listModel": null,
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"setterDocumentation": "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>
@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.
@return Returns a reference to this object so that method calls can be chained together."*/",
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"setterModel": {
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"varargSetterDocumentation": "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>
@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable": {
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  "variableSetterType": "java.util.Date"
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"xmlNameSpaceUri": null
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    "deprecated": false,
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"documentation": "The earliest date and time, in UTC, for the Scheduled Instance to start.*/",
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"getterDocumentation": "The earliest date and time, in UTC, for the Scheduled Instance to start.*/\n@return The earliest date and time, in UTC, for the Scheduled Instance to start.*/",
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"setterModel": {
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  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
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Returns a reference to this object so that method calls can be chained together."*/",
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 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
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 "deprecated" : false,
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 "enumType" : null,
 "fluentSetterDocumentation" : "/*&lt;p&gt;The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.&lt;/p&gt;\n\n@method withLatestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withLatestTime",
 "getterDocumentation" : "/*&lt;p&gt;The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.&lt;/p&gt;\n\n@method getLatestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.\n\n@return The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.*/",
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 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "LatestTime",
 "uri" : false
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"map" : false,
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@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.*/",
"setterMethodName" : "setLatestTime",
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"variableType" : "java.util.Date",
"documentation" : "",
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"variableSetterType" : "java.util.Date"
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@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "slotDateTimeRangeRequest"},

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"variableType" : "SlotDateTimeRangeRequest",
"documentation" : null,
"simpleType" : "SlotDateTimeRangeRequest",
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"wrapper" : false
},
"SlotStartTimeRangeRequest" : {
"c2jName" : "SlotStartTimeRangeRequest",
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"enums" : null,
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"hasPayloadMember" : false,
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"hasStreamingMember" : false,
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"enumType" : null,
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"fluentSetterMethodName" : "withEarliestTime",
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"additionalUnmarshallingPath" : null,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
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"unmarshallLocationName" : "EarliestTime",
"uri" : false
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@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEarliestTime",
"setterModel" : {
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  "variableName" : "earliestTime",
  "variableType" : "java.util.Date",
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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"xmlNameSpaceUri" : null
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"enumType" : null,
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@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "DateTime",
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"documentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.<p></p>
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"fluentSetterDocumentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.<p></p>
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"isPayload" : false,
"isStreaming" : false,
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"unmarshallLocationName" : "EarliestTime",
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"map" : false,
"mapModel" : null,
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"variableSetterType" : "java.util.Date"
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@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start.</p>
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"isPayload" : false,
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 * The latest date and time, in UTC, for the Scheduled Instance to start.
 * @param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "latestTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"variableType": "SlotStartTimeRangeRequest",
"documentation": null,
"simpleType": "SlotStartTimeRangeRequest",
"variableSetterType": "SlotStartTimeRangeRequest"
},
"wrapper": false
},
"Snapshot": {
"c2jName": "Snapshot",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes a snapshot.\n</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
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"c2jName": "SnapshotId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.\n</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.\n@\nreturn Returns a reference to this object so that method calls can be chained together.\n*/\n",
"fluentSetterMethodName": "withSnapshotId",
"getterDocumentation": "/**\n<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.\n@\nreturn The ID of the snapshot. Each snapshot receives a unique identifier when it is created.\n*/\n",
"getterMethodName": "getSnapshotId",
"getModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
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"greedy": false,
"header": false,
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "snapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
@param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier when it is created. */",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
@param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier when it is created. <p>@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "VolumeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>",
  "enumType" : null,
"fluentSetterDocumentation" : "/**
 * The ID of the volume that was used to create the snapshot. Snapshots
created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any
purpose.
 * @param volumeId The ID of the volume that was used to create the snapshot. Snapshots created
by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.
 * @return
 * Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**
 * The ID of the volume that was used to create the snapshot. Snapshots created
by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any
purpose.
 * @return
 * The ID of the volume that was used to create the snapshot. Snapshots created by the
<a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**
 * The ID of the volume that was used to create the snapshot. Snapshots created
by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any
purpose.
 * @param volumeId The ID of the volume that was used to create the snapshot. Snapshots created
by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.",
  "simple": true,
  "varargSetterDocumentation": "/**\n   * The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.
   * @param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType": "String",
    "variableName": "volumeId",
    "variableType": "String",
    "documentation": "The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlnsNameSpaceUri": null
},
"c2jName": "State",
"c2jShape": "SnapshotState",
"deprecated": false,
"documentation": "The snapshot state.",
"enumType": "SnapshotState",
"fluentSetterDocumentation": "/**\n   * The snapshot state.
   * @param state The snapshot state.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see SnapshotState*/",
"fluentSetterMethodName": "withState",
"getterDocumentation": "/**\n   * The snapshot state.
   * @return The snapshot state.
   * @see SnapshotState*/",
"getterMethodName": "getState",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Status",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "status",
  "uri": false
},
"xmlNameSpaceUri": null
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\n<p>The snapshot state.</p>\n@param state The snapshot state.\n@see SnapshotState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The snapshot state.</p>\n@param state The snapshot state.\n@return Returns a reference to this object so that method calls can be chained together.\n@see SnapshotState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The snapshot state.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StateMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@param stateMessage Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStateMessage",
"getterDocumentation" : "/**\n<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

@param stateMessage Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.
@return Returns a reference to this object so that method calls can be chained together.*/"}
copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.</p>

```

@<p>return Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.*/

"getterMethodName" : "getStateMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StatusMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "statusMessage",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateMessage",
"setterDocumentation" : "/**<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.*/

"setterMethodName" : "setStateMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stateMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

```java
public class DescribeSnapshotsResponse {
    // ...

    public String getStartTime() {
        return startTime;
    }

    public DescribeSnapshotsResponse withStartTime(DateTime startTime) {
        this.startTime = startTime;
        return this;
    }
}
```

Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

```java
public class DescribeSnapshotsResponse {
    // ...

    public String getStateMessage() {
        return stateMessage;
    }

    public DescribeSnapshotsResponse withStateMessage(String stateMessage) {
        this.stateMessage = stateMessage;
        return this;
    }
}
```
"marshallLocationName": "StartTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "startTime",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StartTime",
"setterDocumentation": "/**<p>The time stamp when the snapshot was initiated.</p>
@param startTime The time stamp when the snapshot was initiated.*/",
"setterMethodName": "setStartTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "startTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time stamp when the snapshot was initiated.</p>
@param startTime The time stamp when the snapshot was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "startTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The time stamp when the snapshot was initiated.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
  "c2jName": "Progress",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The progress of the snapshot, as a percentage.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The progress of the snapshot, as a percentage.</p>
@param progress The progress of the snapshot, as a percentage.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withProgress",
  "getterDocumentation": "/**<p>The progress of the snapshot, as a percentage.</p>
@return The progress of the snapshot, as a percentage.*/"}
"getterMethodName" : "getProgress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Progress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "progress",
  "uri" : false
},
"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Progress",
"setterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>
@param progress The progress of the snapshot, as a percentage.*/",
"setterMethodName" : "setProgress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>
@param progress The progress of the snapshot, as a percentage.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "<p>The progress of the snapshot, as a percentage.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>\n@param ownerId The AWS account ID of the EBS snapshot owner.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>\n@return The AWS account ID of the EBS snapshot owner.*/",
"getterMethodName" : "getOwnerId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ownerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>\n@param ownerId The AWS account ID of the EBS snapshot owner.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>
@param ownerId The AWS account ID of the EBS snapshot owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "/**<p>The description for the snapshot.</p>
@param description The description for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/*<p>The description for the snapshot.</p>\n@param description The description for the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/*<p>The description for the snapshot.</p>\n@return The description for the snapshot.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description for the snapshot.</p>
@param description The description for the snapshot.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description for the snapshot.</p>
@param description The description for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description for the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "VolumeSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeSize",
"getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>\n@return The size of the volume, in GiB.
*/",
"getterMethodName" : "getVolumeSize",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeSize",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeSize",
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the
volume, in GiB.*/",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of
the volume, in GiB.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OwnerAlias",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured
AWS account alias, which is set from the IAM console. <p>Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. <p>@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. <p>@return Returns a reference to this object so that method calls can be chained together.*

"getterMethodName" : "getOwnerAlias",
"getterModel" : {
  "returnType" : "String",
  "getterDocumentation" : "Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. <p>@return Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.*

"setterMethodName" : "setOwnerAlias",
"setterModel" : {
  "variableDeclarationType" : "String",
  "setterDocumentation" : "Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.*

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerAlias",
"setterDocumentation" : "Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.*

"setterMethodName" : "setOwnerAlias",
"setterModel" : {
  "variableDeclarationType" : "String"
"variableName" : "ownerAlias",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerAlias",
"variableType" : "String",
"documentation" : "<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the snapshot.
@param tags Any tags assigned to the snapshot.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : "/**\nAny tags assigned to the snapshot.
@param tags Any tags assigned to the snapshot.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\nAny tags assigned to the snapshot.
@return Any tags assigned to the snapshot.
*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
",
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
}
",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",}
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>"
},
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "<p>Any tags assigned to the snapshot.</p>\n@param tags Any tags assigned to the snapshot."/
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
Any tags assigned to the snapshot. This method appends the values to the existing list (if any). Use `setTags(java.util.Collection)` or `withTags(java.util.Collection)` if you want to override the existing values.

```java
public class Snapshot {
    private List<Tag> tags;

    // Getters and setters...
}
```

 Indicates whether the snapshot is encrypted.

```java
public class Snapshot {
    private boolean encrypted;

    // Getters and setters...
}
```

Marks the method as deprecated.

```java
@Deprecated
public void setTags(java.util.Collection<Tag> tags) {
    this.tags = tags;
}
```
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@param encrypted
Indicates whether the snapshot is encrypted.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varg SetterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@param encrypted
Indicates whether the snapshot is encrypted.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>
variable SetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KmsKeyId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKmsKeyId",
"getterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.*/",
"getterMethodName" : "getKmsKeyId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.*/",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>

@returns A reference to this object so that method calls can be chained together."
}
key (CMK) that was used to protect the volume encryption key for the parent volume.

- **simpleType**: "String",
- **variableSetterType**: "String"

},
"xmlNameSpaceUri" : null
},
"c2jName" : "DataEncryptionKeyId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

- **enumType**: null.
- **fluentSetterDocumentation**: "/***<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

- **@param dataEncryptionKeyId
- **@return Returns a reference to this object so that method calls can be chained together.*/"

- **fluentSetterMethodName**: "withDataEncryptionKeyId",
- **getterDocumentation**: "/***<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

- **returnType**: "String",
- **documentation**: null

},
"http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DataEncryptionKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dataEncryptionKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DataEncryptionKeyId",
"setterDocumentation" : "/**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@param dataEncryptionKeyId The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.*/",
"setterMethodName" : "setDataEncryptionKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dataEncryptionKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@param dataEncryptionKeyId The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dataEncryptionKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableType": "String",
"documentation": "<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>",
"simpleType": "String",
"variableSetterType": "String"
}
"xmlnsSpaceUri": null
],
"membersAsMap": {
"DataEncryptionKeyId": {
"c2jName": "DataEncryptionKeyId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>",
"enumType": null,
"fluentSetterDocumentation": "**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@param dataEncryptionKeyId The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.
@return Returns a reference to this object so that method calls can be chained together.**",
"fluentSetterMethodName": "withDataEncryptionKeyId",
"getterDocumentation": "**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@return The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.*/",
"getterMethodName": "getDataEncryptionKeyId",
"getterModel": {
"returnType": "String",
"documentation": null
},

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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "DataEncryptionKeyId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "dataEncryptionKeyId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DataEncryptionKeyId",
"setterDocumentation": "/**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@param dataEncryptionKeyId The data encryption key identifier for the snapshot.*/",
"setterMethodName": "setDataEncryptionKeyId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "dataEncryptionKeyId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@param dataEncryptionKeyId The data encryption key identifier for the snapshot.*/"
inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.

```java
return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "dataEncryptionKeyId",
    "variableType" : "String",
    "documentation" : "<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.

    
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The description for the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The description for the snapshot.</p>
        @param description The description for the snapshot.
        @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>The description for the snapshot.</p>
        @return The description for the snapshot.
    
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Description",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "description",
```
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description for the snapshot.</p>
@param description The description for the snapshot.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description for the snapshot.</p>
@param description The description for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "p>The description for the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Encrypted" : {
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Encrypted" : {
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
  "enumType" : "null",
  "fluentSetterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEncrypted",
  "getterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@return Indicates whether the snapshot is encrypted.*/",
  "getterMethodName" : "getEncrypted",
  "getterModel" : {
    "returnType" : "Boolean",
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The description for the snapshot.</p>
@param description The description for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**\n* Indicates whether the snapshot is encrypted.
* @param encrypted Indicates whether the snapshot is encrypted.*\n*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates whether the snapshot is encrypted.
* @param encrypted Indicates whether the snapshot is encrypted.
* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
    "c2jName" : "KmsKeyId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume."
    "enumType" : null,
    "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
    @param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
    @return Returns a reference to this object so that method calls can be chained together.
    ",
    "fluentSetterMethodName" : "withKmsKeyId",
    "getterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume."
    @return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
    ",
    "getterMethodName" : "getKmsKeyId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KmsKeyId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "kmsKeyId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume."
    @param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
    ",
    "setterMethodName" : "setKmsKeyId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n   * The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
   * @param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"OwnerAlias" : {
    "c2jName" : "OwnerAlias",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n    * Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
    * @param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
    * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withOwnerAlias",
    "getterDocumentation" : "/**\n    * Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
    * @return Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
    */",
    "getterMethodName" : "getOwnerAlias",
    "getterModel" : "getPageResponse"
}
`setterDocumentation` : 
```
/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>
@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
@return Returns a reference to this object so that method calls can be chained together.*/
```
"variableType" : "String",
"documentation" : "<p>Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OwnerId" : {
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The AWS account ID of the EBS snapshot owner."
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>
@param ownerId The AWS account ID of the EBS snapshot owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>
@return The AWS account ID of the EBS snapshot owner.*/",
"getterMethodName" : "getOwnerId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ownerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>
@param ownerId The AWS account ID of the EBS snapshot owner.
@return Returns a reference to this object so that method calls can be chained together.*/"}
The AWS account ID of the EBS snapshot owner.*"*/

"setterMethodName" : "setOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>
@param
ownerId The AWS account ID of the EBS snapshot owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Progress" : {
  "c2jName" : "Progress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The progress of the snapshot, as a percentage.</p>

"fluentSetterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>
@param progress The progress of the snapshot, as a percentage.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>
@return The progress of the snapshot, as a percentage.*/",
"getterMethodName" : "getProgress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Progress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "progress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Progress",
"setterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>
@param progress The progress of the snapshot, as a percentage.*/",
"setterMethodName" : "setProgress",
"setterModel" : {
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  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>
@param progress The progress of the snapshot, as a percentage.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "progress",
  "variableType" : "String",
  "documentation" : "<p>The progress of the snapshot, as a percentage.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
  "c2jName" : "SnapshotId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
@n@param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
@n@param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"complianceStatus" : {
  "c2jName" : "complianceStatus",
  "c2jShape" : "ComplianceStatus",
  "deprecated" : false,
  "documentation" : "<p>The current compliance status of the snapshot. Each snapshot can have one of the following statuses:
- ComplianceStatus.COMPLIANT
- ComplianceStatus.NONCOMPLIANT
- ComplianceStatus.UNKNOWN
</p>",
  "enumType" : null,
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created."",
"simpleType" : "String",
"variableSetterType" : "String"
}

xmlNameSpaceUri" : null

"StartTime" : {
"c2jName" : "StartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time stamp when the snapshot was initiated."",
"enumType" : null,
"fluentSetterDocumentation" : "The time stamp when the snapshot was initiated." @param
startTime The time stamp when the snapshot was initiated.
@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withStartTime",
"getterDocumentation" : "The time stamp when the snapshot was initiated." @returns The time
time when the snapshot was initiated.
",
"getterMethodName" : "getStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
}

http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "startTime",
"uri" : false
}

idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "The time stamp when the snapshot was initiated." @returns
startTime The time stamp when the snapshot was initiated.
"returns Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "withStartTime",
"setterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
}
The time stamp when the snapshot was initiated.*/
", "setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The time stamp when the snapshot was initiated.</p>
@param
startTime The time stamp when the snapshot was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time stamp when the snapshot was initiated.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "SnapshotState",
  "deprecated" : false,
  "documentation" : "<p>The snapshot state.</p>",
  "enumType" : "SnapshotState",
  "fluentSetterDocumentation" : "/**<p>The snapshot state.</p>
@param state The snapshot state.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The snapshot state.</p>
@return The snapshot state.
@see SnapshotState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\<p>The snapshot state.</p>\n@param state The snapshot state.\n@see SnapshotState*/",
"setterMethodName" : "setState",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "state",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The snapshot state.</p>\n@param state The snapshot state.\n@return Returns a reference to this object so that method calls can be chained together.\n@see SnapshotState*/",
"variable" : {
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 "variableName" : "state",
 "variableType" : "String",
 "documentation" : "\<p>The snapshot state.</p>\",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"StateMessage" : {
 "c2jName" : "StateMessage",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "\<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.\</p>\",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions

are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.

\[@param stateMessage Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withStateMessage",
"getterDocumentation" : "/**<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.</p>

@return Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.*/",
"getterMethodName" : "getStateMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StatusMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateMessage",
"setterDocumentation" : "/**<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.</p>

.setterMethod() {
"returns" : "jmespath.Union()
"}
"returns" : "jmespath.Union()"}
"setterMethodName" : "setStateMessage",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "stateMessage",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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    "variableName" : "stateMessage",
    "variableType" : "String",
    "documentation" : "Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "Any tags assigned to the snapshot.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Any tags assigned to the snapshot.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation" : "/**<p>Any tags assigned to the snapshot.\n\n@return Any tags assigned to the snapshot.*/",
    "getterMethodName" : "getTags",
    "getterModel" : {
        "returnType" : "java.util.List<Tag>",
        "documentation" : null
    }
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\nAny tags assigned to the snapshot.<p>
@tags Any tags assigned to the snapshot.*/
"
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the snapshot.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p><p>@param tags Any tags assigned to the snapshot.</p><p>@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "<p>Any tags assigned to the snapshot.</p>
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
},
"VolumeId": {
  "c2jName": "VolumeId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>
  
  @param volumeId The ID of the volume that was used to create the snapshot.
  
  @return Returns a reference to this object so that method calls can be chained together.*="/",
  "fluentSetterMethodName": "withVolumeId",
  "getterDocumentation": "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>",
  "getterMethodName": "getVolumeId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.</p>*/
@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.</p>*/
@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose."
},
"variableModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "The ID of the volume that was used to create the snapshot. Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose."
},
"xmlNameSpaceUri" : null
"VolumeSize" : {
  "c2jName" : "VolumeSize",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumeSize",
  "getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@return The size of the volume, in GiB.*/",
  "getterMethodName" : "getVolumeSize",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeSize",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeSize",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VolumeSize",
  "setterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVolumeSize",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "volumeSize",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
}
"simple" : true,
"varargSetterDocumentation" : "/*\nThe size of the volume, in GiB.<p>@param volumeSize The size of the volume, in GiB.<p>@return */",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "The size of the volume, in GiB."
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Snapshot",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Snapshot",
  "variableName" : "snapshot",
  "variableType" : "Snapshot",
  "documentation" : null,
  "simpleType" : "Snapshot",
  "variableSetterType" : "Snapshot"
},
"wrapper" : false
},
"SnapshotAttributeName" : {
  "c2jName" : "SnapshotAttributeName",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "ProductCodes",
    "value" : "productCodes"
  }, {
    "name" : "CreateVolumePermission",
    "value" : "createVolumePermission"
  }]
}
"value" : "createVolumePermission"
}]
,"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : {}
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SnapshotAttributeName",
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
},
"variable" : {
 "variableDeclarationType" : "SnapshotAttributeName",
 "variableName" : "snapshotAttributeName",
 "variableType" : "SnapshotAttributeName",
 "documentation" : null,
 "simpleType" : "SnapshotAttributeName",
 "variableSetterType" : "SnapshotAttributeName"
},
"wrapper" : false
,"SnapshotDetail" : {
 "c2jName" : "SnapshotDetail",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Describes the snapshot created from the imported disk.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : []
,"c2jName" : "DiskImageSize",
 "c2jShape" : "Double"
"deprecated" : false,
"documentation" : "<p>The size of the disk in the snapshot, in GiB.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the disk in the snapshot, in GiB.</p>
@param diskImageSize The size of the disk in the snapshot, in GiB.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withDiskImageSize",
"getterDocumentation" : "/**<p>The size of the disk in the snapshot, in GiB.</p>
@return The size of the disk in the snapshot, in GiB.
*/",
"getterMethodName" : "getDiskImageSize",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DiskImageSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "diskImageSize",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DiskImageSize",
"setterDocumentation" : "/**<p>The size of the disk in the snapshot, in GiB.</p>
@param diskImageSize The size of the disk in the snapshot, in GiB.
*/",
"setterMethodName" : "setDiskImageSize",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "diskImageSize",
"variableType" : "Double",
"documentation" : "",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the disk in the snapshot, in GiB.
*/
@param diskImageSize The size of the disk in the snapshot, in GiB.
*/
artisan base command to create a new project.
diskImageSize The size of the disk in the snapshot, in GiB.

@return Returns a reference to this object so that method calls can be chained together.

    "variable" : {
        "variableDeclarationType" : "Double",
        "variableName" : "diskImageSize",
        "variableType" : "Double",
        "documentation" : "<p>The size of the disk in the snapshot, in GiB.</p>",
        "simpleType" : "Double",
        "variableSetterType" : "Double"
    },
    "xmlNameSpaceUri" : null
},
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description for the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A description for the snapshot.</p>@param description A description
for the snapshot.</param>\n@return Returns a reference to this object so that method calls can be chained together.
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>A description for the snapshot.</p>@return A description for the snapshot.
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Description",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "description",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Description"
"setterDocumentation" : "/**\nA description for the snapshot.</p><p>\n@param description A description for the snapshot.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nA description for the snapshot.</p><p>\n@param description A description for the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "A description for the snapshot.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Format",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The format of the disk image from which the snapshot is created.<p>
  "@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "@param format The format of the disk image from which the snapshot is created.<p>
  "@return The format of the disk image from which the snapshot is created.*/",
  "getterMethodName" : "getFormat",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Format",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "format",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Format",
"setterDocumentation" : "/**<p>The format of the disk image from which the snapshot is created.</p>
@param format The format of the disk image from which the snapshot is created.*/",
"setterMethodName" : "setFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The format of the disk image from which the snapshot is created.</p>
@param format The format of the disk image from which the snapshot is created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "<p>The format of the disk image from which the snapshot is created.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Url",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The URL used to access the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUrl",
"getterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@return The URL used to access the disk image.
*/"}
access the disk image.

getterMethodName" : "getUrl",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Url",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "url",
  "url" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Url",
"setterDocumentation" : "/**\n* The URL used to access the disk image.
*\n* @param url The URL used to access the disk image.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUrl",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The URL used to access the disk image.
*\n* @param url The URL used to access the disk image.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "<p>The URL used to access the disk image.</p>",
  "simpleType" : "String",
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "UserBucket",
"c2jShape" : "UserBucketDetails",
"deprecated" : false,
"documentation" : "<p>The S3 bucket for the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserBucket",
"getterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@return The S3 bucket for the disk image.*/",
"getterMethodName" : "getUserBucket",
"getterModel" : {
  "returnType" : "UserBucketDetails",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserBucket",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "userBucket",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserBucket",
"setterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUserBucket",
"setterModel" : {
  "variableDeclarationType" : "UserBucketDetails",
  "variableName" : "userBucket",
  "variableType" : "UserBucketDetails"}
"documentation" : "",
"simpleType" : "UserBucketDetails",
"variableSetterType" : "UserBucketDetails"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UserBucketDetails",
"variableName" : "userBucket",
"variableType" : "UserBucketDetails",
"documentation" : "<p>The S3 bucket for the disk image.</p>",
"simpleType" : "UserBucketDetails",
"variableSetterType" : "UserBucketDetails"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The block device mapping for the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The block device mapping for the snapshot.</p>
@param deviceName The block device mapping for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceName",
"getterDocumentation" : "/**<p>The block device mapping for the snapshot.</p>
@return The block device mapping for the snapshot.*/",
"getterMethodName" : "getDeviceName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeviceName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deviceName",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**<p>The block device mapping for the snapshot.</p>
@param deviceName The block device mapping for the snapshot.</p>*/",
"setterMethodName" : "setDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The block device mapping for the snapshot.</p>
@param deviceName The block device mapping for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "<p>The block device mapping for the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The snapshot ID of the disk being imported.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The snapshot ID of the disk being imported.</p>
@param snapshotId The snapshot ID of the disk being imported.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The snapshot ID of the disk being imported.</p>
@return The snapshot ID of the disk being imported.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SnapshotId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "snapshotId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SnapshotId",
"setterDocumentation": "/**
 * The snapshot ID of the disk being imported.
 * @param snapshotId The snapshot ID of the disk being imported.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setSnapshotId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The snapshot ID of the disk being imported.
 * @param snapshotId The snapshot ID of the disk being imported.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "<p>The snapshot ID of the disk being imported.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Progress",
"c2jShape": "String"
percentage of progress for the task.

```java
@edu.uci.ics.j2mm.converters.marshallers.TransformedTypeShape\n@return Returns a reference to this object so that method calls can be chained together.*"*/,"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "progress",
    "variableType" : "String",
    "documentation" : "<p>The percentage of progress for the task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A detailed status message for the snapshot creation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A detailed status message for the snapshot creation.</p>
@param statusMessage A detailed status message for the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>A detailed status message for the snapshot creation.</p>
@return A detailed status message for the snapshot creation.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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  "enumType": null,
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  @param status A brief status of the snapshot creation.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  @return A brief status of the snapshot creation.*/",
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  @return Returns a reference to this object so that method calls can be chained together.*/"}
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@return Returns a reference to this object so that method calls can be chained
together.*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for the snapshot.</p>
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
} ],
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"documentation" : "<p>A description for the snapshot.<p>"",
"simpleType" : "String",
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 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The block device mapping for the snapshot.<p>\n@param deviceName The block device mapping for the snapshot.<p>\n@return Returns a reference to this object so that method
calls can be chained together.*\*/",
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 "getterDocumentation" : "/**<p>The block device mapping for the snapshot.<p>\n@return The block device
mapping for the snapshot.*\*/",
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 "documentation" : null
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 "statusCode" : false,
 "unmarshallLocationName" : "deviceName",
 "uri" : false
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 "list" : false,
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"setterModel" : {
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"variableName" : "deviceName",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**
 * The block device mapping for the snapshot.
 */
@param
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@return Returns a reference to this object so that method calls can be chained together. */",
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@param
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@return Returns a reference to this object so that method calls can be chained together. */",
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"documentation" : "The block device mapping for the snapshot.
@param
deviceName The block device mapping for the snapshot.
@return Returns a reference to this object so that method calls can be chained together. */",
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"c2jShape" : "Double",
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"documentation" : "The size of the disk in the snapshot, in GiB.
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@return Returns a reference to this object so that method calls can be chained together. */",
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 * The size of the disk in the snapshot, in GiB.
 */
@param
diskImageSize The size of the disk in the snapshot, in GiB.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**
 * The size of the disk in the snapshot, in GiB.
 * @return The size of the disk in the snapshot, in GiB.
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"getterModel" : {
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"documentation" : null
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"statusCode": false,
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  "documentation": "",
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  "variableSetterType": "Double"
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  "simpleType": "Double",
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  "fluentSetterMethodName": "withFormat",
  "getterDocumentation": "The format of the disk image from which the snapshot is created.\n
@GET
"
The format of the disk image from which the snapshot is created.

@returns The format of the disk image from which the snapshot is created.

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  "isStreaming" : false,
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@name : "Format",

@setterDocumentation "The format of the disk image from which the snapshot is created."

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@returns Returns a reference to this object so that method calls can be chained together.

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  "simpleType" : "String"
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  "documentation" : "<p>The percentage of progress for the task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The percentage of progress for the task.</p>
  @param progress The percentage of progress for the task.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The percentage of progress for the task.</p>
  @return The percentage of progress for the task.*/",
  "getterMethodName" : "getProgress",
  "getterModel" : {
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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*\n* @return Returns a reference to this object so that method calls can be chained together.*/
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"c2jShape" : "String",
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public String getSnapshotId();
\n@Setter
public void setSnapshotId(String snapshotId);",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The snapshot ID of the disk being imported.\n*\n* @param snapshotId The snapshot ID of the disk being imported.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/
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"documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.
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@param snapshotId The snapshot ID of the disk being imported.
@return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.
*/",
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@param status A brief status of the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.
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\n@return Returns a reference to this object so that method calls can be chained together.
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@param status A brief status of the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.
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@param status A brief status of the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param status A brief status of the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A detailed status message for the snapshot creation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A detailed status message for the snapshot creation.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>A detailed status message for the snapshot creation.</p>
@return A detailed status message for the snapshot creation.</returns>",
"getterMethodName" : "getStatusMessage",
"getterModel" : { "returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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@return A detailed status message for the snapshot creation.</returns>",
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@return Returns a reference to this object so that method calls can be chained together.*/*",
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@param statusMessage A detailed status message for the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.*/*",
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@param statusMessage A detailed status message for the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.*/*",
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"xmlNameSpaceUri" : null
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    "c2jName" : "Url",
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    "deprecated" : false,
    "documentation" : "The URL used to access the disk image.
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/*",
    "fluentSetterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/*",
    "fluentSetterMethodName" : "withUrl",
    "getterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@return The URL used to access the disk image.*/*",
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  "variableSetterType": "String"
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"varargSetterDocumentation": "/**\p> The URL used to access the disk image.\n\p>@param url The URL used to access the disk image.\n\p@return Returns a reference to this object so that method calls can be chained together.*/",
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"UserBucket": {
  "c2jName": "UserBucket",
  "c2jShape": "UserBucketDetails",
  "deprecated": false,
  "documentation": "The S3 bucket for the disk image.
\p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation": "/**\p> The S3 bucket for the disk image.\n\p>@param userBucket The S3 bucket for the disk image.\n\p@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withUserBucket",
  "getterDocumentation": "/**\p> The S3 bucket for the disk image.\n\p>@return The S3 bucket for the disk image.*/",
  "getterMethodName": "getUserBucket",
  "getterModel": {
    "returnType": "UserBucketDetails",
    "documentation": null
  }
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   "statusCode" : false,
   "unmarshallLocationName" : "userBucket",
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"listModel" : null,
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 * \n * @param userBucket The S3 bucket for the disk image.
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   "variableSetterType" : "UserBucketDetails"
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 * \n * @param userBucket The S3 bucket for the disk image.
 * \n * @return Returns a reference to this object so that method calls can be chained
together.
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   "variableSetterType" : "UserBucketDetails"
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  "variableType" : "SnapshotDetail",
  "documentation" : null,
  "simpleType" : "SnapshotDetail",
  "variableSetterType" : "SnapshotDetail"
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  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
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  "hasStatusCodeMember" : false,
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      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The description of the disk image being imported.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The description of the disk image being imported.</p>
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@returns A reference to this object so that method calls can be chained together.*/",
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      "getterDocumentation" : "/**<p>The description of the disk image being imported.</p>
@returns The description of the disk image being imported.*/",
      "getterMethodName" : "getDescription",
      "getModel" : null
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  ]
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"documentation" : null
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"map" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "description",
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"documentation" : "",
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"variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"fluentSetterDocumentation": "/**<p>The format of the disk image being imported.</p>
Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>
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"getterDocumentation": "/**<p>The format of the disk image being imported.</p>
@return The format of the disk image being imported.</p>
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Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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  "varargSetterDocumentation" : "/**<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p> @param format The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p> @return Returns a reference to this object so that method calls can be chained together."*/",
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  "c2jShape" : "String",
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  "documentation" : "<p>The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).</p>
  @param url The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).
  @return Returns a reference to this object so that method calls can be chained together."*/",
  "fluentSetterMethodName" : "withUrl",
  "getterDocumentation" : "/**<p>The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).
  @return The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).
  @return Returns a reference to this object so that method calls can be chained together."*/",
  "getterMethodName" : "getUrl",
  "getterModel" : {
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  "documentation" : null
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@param url The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).*/

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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/
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@return Returns a reference to this object so that method calls can be chained together.*/
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    "enumType" : null,
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@param description The description of the disk image being imported.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The description of the disk image being imported.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "documentation" : "<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> </p>
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  "fluentSetterDocumentation" : "/**\nThe format of the disk image being imported.\n@param format The format of the disk image being imported.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterModel" : {
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"variableSetterType": "String"
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"getterDocumentation" : "/**&lt;p&gt;The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).&lt;/p&gt;&lt;n&gt;@return The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).*/",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).<br>@param url The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).<br>@return Returns a reference to this object so that method calls can be chained together.*/

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    "simpleType" : "String",
    "variableSetterType" : "String"
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  "xmlNameSpaceUri" : null
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"UserBucket" : {
  "c2jName" : "UserBucket",
  "c2jShape" : "UserBucket",
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the disk image.</p>

  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>

@param userBucket The S3 bucket for the disk image.<br>@return Returns a reference to this object so that method calls can be chained together.*/

  "fluentSetterMethodName" : "withUserBucket",
  "getterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>

@return The S3 bucket for the disk image.*/

  "getterMethodName" : "getUserBucket",
  "getterModel" : {
    "returnType" : "UserBucket",
    "documentation" : null
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  "http" : {
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    "greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserBucket",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableSetterType" : "UserBucket"
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 "variableSetterType" : "UserBucket"
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"unmarshalller" : {
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 "resultWrapper" : null
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"variableName" : "snapshotState",
"variableType" : "SnapshotState",
"documentation" : null,
"simpleType" : "SnapshotState",
"variableSetterType" : "SnapshotState"
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"wrapper" : false
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"SnapshotTaskDetail" : {
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"hasStreamingMember" : false,
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  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "The size of the disk in the snapshot, in GiB.<p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "The size of the disk in the snapshot, in GiB."",
  "fluentSetterMethodName" : "withDiskImageSize",
  "getterDocumentation" : "The size of the disk in the snapshot, in GiB."",
  "getterMethodName" : "getDiskImageSize",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "readOnly" : true
  }
}
/**<p>The size of the disk in the snapshot, in GiB.</p>
@param diskImageSize The size of the disk in the snapshot, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*///

"variable" : {
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    "variableName" : "diskImageSize",
    "variableType" : "Double",
    "documentation" : "The size of the disk in the snapshot, in GiB."
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"xmlNameSpaceUri" : null
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"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The description of the snapshot.
@param description The description of the snapshot."
"enumType" : null,
"fluentSetterDocumentation" : "The description of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/
together.*”

"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>The description of the snapshot.</p>
\n@Override\n\n@return The description of the snapshot.*"",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"unmarshallLocationName" : "description",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description of the snapshot.</p>
\n@Override\n\n@param description The description of the snapshot.*"",
"setterMethodName" : "setDescription",
"setterModel" : {
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"variableName" : "description",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The description of the snapshot.</p>
\n@Override\n\n@param description The description of the snapshot.
\n@return Returns a reference to this object so that method calls can be chained together.*"",
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"unmarshallLocationName" : "url",
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "Url",
"setterDocumentation" : "/**<p>The URL of the disk image from which the snapshot is created.</p>
@param url The URL of the disk image from which the snapshot is created.*/",
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"setterModel" : {
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  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The URL of the disk image from which the snapshot is created.</p>
@param url The URL of the disk image from which the snapshot is created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The URL of the disk image from which the snapshot is created.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jName" : "UserBucket",
  "c2jShape" : "UserBucketDetails",
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUserBucket",
  "getterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@return The S3 bucket for the disk image.*/",
  "getterMethodName" : "getUserBucket",
  "getterModel" : {

"returnType": "UserBucketDetails",
"documentation": null
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UserBucket",
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"setterMethodName": "setUserBucket",
"setterModel": {
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"variableName": "userBucket",
"variableType": "UserBucketDetails",
"documentation": "",
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"variableSetterType": "UserBucketDetails"
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"simple": false,
"varargSetterDocumentation": "/**\n*p The S3 bucket for the disk image.*\n@param userBucket The S3 bucket for the disk image.*\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
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"variableName": "userBucket",
"variableType": "UserBucketDetails",
"documentation": "<p>The S3 bucket for the disk image.</p>",
"simpleType": "UserBucketDetails",
"variableSetterType": "UserBucketDetails"
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"xmlNameSpaceUri": null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The snapshot ID of the disk being imported.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The snapshot ID of the disk being imported.</p>
@param snapshotId
@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The snapshot ID of the disk being imported.</p>
@return The snapshot ID of the disk being imported.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "snapshotId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
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@param snapshotId
@return The snapshot ID of the disk being imported.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**\n * The snapshot ID of the disk being imported.
 */
@\n @param snapshotId

The snapshot ID of the disk being imported.

@return Returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "String",
"documentation" : "<p>The snapshot ID of the disk being imported.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Progress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The percentage of completion for the import snapshot task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The percentage of completion for the import snapshot task.
 */
@\n @param progress

The percentage of completion for the import snapshot task.

@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "/**\n * The percentage of completion for the import snapshot task.
 */
@\n @return

The percentage of completion for the import snapshot task.

*/",
"getterMethodName" : "getProgress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "progress",
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"map" : false,
"mapModel" : null,
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@param progress The percentage of completion for the import snapshot task.</p>*/",
"setterMethodName" : "setProgress",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "progress",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The percentage of completion for the import snapshot task.</p>
@param progress The percentage of completion for the import snapshot task.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "progress",
"variableType" : "String",
"documentation" : "<p>The percentage of completion for the import snapshot task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A detailed status message for the import snapshot task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>
@param statusMessage A detailed status message for the import snapshot task.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>
@return A detailed status message for the import snapshot task.</p>*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>\n@param
statusMessage A detailed status message for the import snapshot task.</p>*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>\n@name A detailed status message for the import snapshot task.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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  "documentation" : "<p>A detailed status message for the import snapshot task.</p>",
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A brief status for the import snapshot task.</p>",
"enumType" : null,
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@param status A brief status for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*
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"getterDocumentation" : "/**<p>A brief status for the import snapshot task.</p>
@return A brief status for the import snapshot task.*
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"documentation" : null
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"header" : false,
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"isStreaming" : false,
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"mapModel" : null,
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@param status A brief status for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>A brief status for the import snapshot task.</p>
@param status A brief status for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*
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"getterDocumentation" : "/**
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"variableSetterType" : "String"
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"getterDocumentation" : "/**
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"setterDocumentation" : "/**
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"setterModel" : {
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"variableType" : "String",
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"list" : false,
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The description of the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The description of the snapshot.</p>*/
@param description The description of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>The description of the snapshot.</p>*/
@return The description of the snapshot.
*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"xmlNameSpaceUri" : null
}];
"setterDocumentation": "/**<p>The description of the snapshot.</p>
@param description The description of
the snapshot.*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The description of the snapshot.</p>
@param description The
description of the snapshot.
@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableType": "String",
  "documentation": "<p>The description of the snapshot.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"DiskImageSize": {
  "c2jName": "DiskImageSize",
  "c2jShape": "Double",
  "deprecated": false,
  "documentation": "<p>The size of the disk in the snapshot, in GiB.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The size of the disk in the snapshot, in GiB.</p>
@param diskImageSize The size of the disk in the snapshot, in GiB.
@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "getterDocumentation": "/**<p>The size of the disk in the snapshot, in GiB.</p>
@return The size of the
disk in the snapshot, in GiB.*/",
  "getterMethodName": "getDiskImageSize",
  "getterModel": {
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    "documentation": null
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
"isPayload": false,
"isStreaming": false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "DiskImageSize",
"setterDocumentation": "/**\n<p>The size of the disk in the snapshot, in GiB.</p>
@param diskImageSize The size of the disk in the snapshot, in GiB.*/",
"setterMethodName": "setDiskImageSize",
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  "enumType": null,
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@param format The format of the disk image from which the snapshot is created.\n@return Returns a
The format of the disk image from which the snapshot is created.<p></p>
@returns The format of the disk image from which the snapshot is created.

```
/**
 * The format of the disk image from which the snapshot is created.
 *
 * @param format The format of the disk image from which the snapshot is created.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
public String getFormat()
```

```java
public void setFormat(String format)
```

```java
public static Format withFormat(String format)
```

```java
public static Format fromJson(String json)
```
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@return Returns a reference to this object so that method calls can be chained together.*="/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param snapshotId The snapshot ID of the disk being imported.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The snapshot ID of the disk being imported.*/",
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"uri": false
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  "enumType": null,
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@param status A brief status for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p><p>@param statusMessage A detailed status message for the import snapshot task.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"documentation" : null
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"greedy" : false,
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"isStreaming" : false,
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"unmarshallLocationName" : "statusMessage",
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"simple" : true,
"varargSetterDocumentation" : "/**<p>A detailed status message for the import snapshot task.
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@return Returns a reference to this object so that method calls can be chained together.*/",

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@param url The URL of the disk image from which the snapshot is created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The URL of the disk image from which the snapshot is created.*/",
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 */",
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  "documentation" : "The S3 bucket for the disk image."
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 @return Returns a reference to this object so that method calls can be chained together.
 */",
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"getterDocumentation" : "/**\n The S3 bucket for the disk image.
 @return The S3 bucket for the disk image.
 */",
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"getterModel" : {
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"documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
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  "uri" : false
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@param userBucket The S3 bucket for the disk image.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "UserBucketDetails",
  "documentation" : "",
  "simpleType" : "UserBucketDetails",
  "variableSetterType" : "UserBucketDetails"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    @param ownerId The AWS account ID of the account.
    @return Returns a reference to this object so that method calls can be chained together.
*/",
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    "getterDocumentation" : "/**<p>The AWS account ID of the account.</p>*/
    @return The AWS account ID of the account.
*/
  ]
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      "unmarshallLocationName" : "OwnerId",
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    "map" : false,
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@chainable*/",
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      "variableName" : "ownerId",
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      "variableSetterType" : "String"
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@returns {String} The AWS account ID of the account.
@chainable*/",
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      "variableType" : "String",
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@returns {String} The AWS account ID of the account.
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@return
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"getterDocumentation" : "/**<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>@return
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@return
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"variableSetterType": "String"
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@param bucket The Amazon S3 bucket where the Spot instance data feed is located.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape": "String",
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@param prefix The prefix that is prepended to data feed files.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The prefix that is prepended to data feed files.</p>
@return The prefix that is prepended to data feed files.
*/",
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"varargSetterDocumentation" : "/**<p>The prefix that is prepended to data feed files.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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   "documentation" : "<p>The state of the Spot instance data feed subscription.</p>
@see DatafeedSubscriptionState",
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   "fluentSetterDocumentation" : "/**<p>The state of the Spot instance data feed subscription.</p>
@param state The state of the Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.
@see DatafeedSubscriptionState*/",
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   "getterDocumentation" : "/**<p>The state of the Spot instance data feed subscription.</p>
@return The state of the Spot instance data feed subscription.
@see DatafeedSubscriptionState*/",
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      "documentation" : null
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"list": false,
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  "documentation": "",
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@param state The state of the Spot instance data feed subscription.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DatafeedSubscriptionState*/",
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  "variableSetterType": "String"
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"enumType": null,
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"simple": false,
"varargSetterDocumentation": "/**\n\n@param fault
The fault codes for the Spot instance request, if any.*/
"author": "CentOS"}
The fault codes for the Spot instance request, if any.

```java
@returns
```

```java
Returns a reference to this object so that method calls can be chained together.*/

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    "c2jShape" : "String",
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    "@return"
    The Amazon S3 bucket where the Spot instance data feed is located.

    Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterDocumentation" : "The Amazon S3 bucket where the Spot instance data feed is located.

    @return The Amazon S3 bucket where the Spot instance data feed is located.*/

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      "documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "fault",
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"setterModel" : {
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    "variableType" : "SpotInstanceStateFault",
    "documentation" : "",
    "simpleType" : "SpotInstanceStateFault",
    "variableSetterType" : "SpotInstanceStateFault"
}
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    "variableType" : "SpotInstanceStateFault",
    "documentation" : "The fault codes for the Spot instance request, if any.\n<p>The fault codes for the Spot instance request, if any.\n<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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}
],
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The AWS account ID of the account.",
    "xmlNameSpaceUri" : null
}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The AWS account ID of the account.</p>
@param ownerId The AWS account ID of the account.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withOwnerId",
"getterDocumentation": "/**<p>The AWS account ID of the account.</p>
@return The AWS account ID of the account.*/",
"getterMethodName": "getOwnerId",
"getterModel": {
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@param ownerId The AWS account ID of the account.
@return Returns a reference to this object so that method calls can be chained together.*/"
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  "variableSetterType" : "String"
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  "deprecated" : false,
  "documentation" : "<p>The prefix that is prepended to data feed files.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The prefix that is prepended to data feed files.</p>
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : null
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    "header" : false,
    "isPayload" : false,
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  "map" : false,
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    "documentation" : "<p>The prefix that is prepended to data feed files.</p>
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@see DatafeedSubscriptionState*/",
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    "documentation" : null
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"xmlNameSpaceUri" : null
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"State" : {
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    "deprecated" : false,
    "documentation" : "<p>The state of the Spot instance data feed subscription.</p>
@returns The state of the Spot instance data feed subscription.
@see DatafeedSubscriptionState*/",
    "fluentSetterDocumentation" : "/**<p>The state of the Spot instance data feed subscription.</p>
@param state The state of the Spot instance data feed subscription.
@returns Returns a reference to this object so that method calls can be chained together.
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@return The state of the Spot instance data feed subscription.
@see DatafeedSubscriptionState*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n* The state of the Spot instance data feed subscription.\n* @param state The state of the Spot instance data feed subscription.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see DatafeedSubscriptionState*/",
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  "variableType" : "String",
  "documentation" : "<p>The state of the Spot instance data feed subscription.</p>",
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  "variableSetterType" : "String"
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"listModel": null,
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"name": "ImageId",
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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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AMI.
@return Returns a reference to this object so that method calls can be chained together.*/**",
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"enumType": null,
"fluentSetterDocumentation": "/**<p>The name of the key pair.</p>
@param keyName The name of the key
pair.
@return Returns a reference to this object so that method calls can be chained together.*/**",
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"getterDocumentation": "/**<p>The name of the key pair.</p>

"\n@return The name of the key pair.*/**",}
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  "documentation" : null
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  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "keyName",
  "uri" : false
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"mapModel" : null,
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"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
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"c2jShape": "GroupIdentifierList",
"deprecated": false,
"documentation": "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

"enumType": null,
"fluentSetterDocumentation": "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

"fluentSetterMethodName": "withSecurityGroups",
"getterDocumentation": "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

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"getterModel": {
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  "documentation": null
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  "greedy": false,
  "header": false,
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  "isStreaming": false,
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  "statusCode": false,
  "unmarshallLocationName": "groupSet",
  "uri": false
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"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
  }
}
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
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  "uri" : false
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

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"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>
@param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
*/",
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"setterModel" : {
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"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>
"},
"map" : false,
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setSecurityGroups(java.util.Collection) } or { @link #withSecurityGroups(java.util.Collection) } if you want to override the existing values.

@param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>",
"simpleType" : 'List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
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"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@return The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
*/",
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  "documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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  "unmarshallLocationName" : "userData",
  "userDataSet" : false,
  "userQueryParameter" : false
},
"uiPrimitiveType" : null,
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>",
"simpleType" : 'List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS
SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise,
you must provide Base64-encoded text.</p>@param userData The user data to make available to the instances. If
you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text
from a file. Otherwise, you must provide Base64-encoded text.</p>*/",
"setterMethodName" : "setUserData",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.</p>@param userData The user data to make available to the
instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can
load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return Returns a reference to this
object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or
command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
must provide Base64-encoded text.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AddressingType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Deprecated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Deprecated.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withAddressingType",
"getterDocumentation" : "/**<p>Deprecated.</p>@return Deprecated.*/",
"getterMethodName" : "getAddressingType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AddressingType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "addressingType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AddressingType",
"setterDocumentation" : "/**<p>Deprecated.</p>@param addressingType Deprecated.*/",
"setterMethodName" : "setAddressingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "addressingType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Deprecated.</p>@param addressingType Deprecated.@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "addressingType",
  "variableType" : "String",
  "documentation" : "<p>Deprecated.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple": true,
"varargSetterDocumentation" : "/**p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : ":<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Placement",
"c2jShape" : "SpotPlacement",
"deprecated" : false,
"documentation" : "The placement information.
@param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : "/**p>The placement information. 
@param placement The placement information. 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "/**p>The placement information. 
@return The placement information. */",
"getterMethodName" : "getPlacement",
"getterModel" : {
"returnType" : "SpotPlacement",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placement",}
"uri" : false,
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The placement information.</p>
@param placement The placement information.*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "",
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The placement information.</p>
@param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "p>The placement information.</p>
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "KernelId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "p>The ID of the kernel.</p>
  "enumType" : "null,
  "fluentSetterDocumentation" : "/*<p>The ID of the kernel.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKernelId",
  "getterDocumentation" : "/*<p>The ID of the kernel.</p>
  @return The ID of the kernel.*/",
  "getterMethodName" : "getKernelId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "kernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel."/*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>
 @param kernelId The ID of the kernel.
 @return Returns a reference to this object so that method calls can be chained together."/*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
 @param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together."/*/",}
/*
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**\n<p>The ID of the RAM disk.</p>\n@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RamdiskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ramdiskId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**\n<p>The ID of the RAM disk.</p>\n@param ramdiskId The ID of the RAM disk.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the RAM disk.</p>\n@param ramdiskId The ID of the RAM disk.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the RAM disk.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
  "c2jName" : "BlockDeviceMappings",
  "c2jShape" : "BlockDeviceMappingList",
  "deprecated" : false,
  "documentation" : "One or more block device mapping entries.\n/*\n**\n@param blockDeviceMappings One or more block device mapping entries.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "One or more block device mapping entries.\nreturn One or more block device mapping entries.*/",
  "getterDocumentation" : "One or more block device mapping entries.\n@return One or more block device mapping entries.*/",
  "getterMethodName" : "getBlockDeviceMappings",
  "getterModel" : {
    "returnType" : "java.util.List<BlockDeviceMapping>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BlockDeviceMapping",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "blockDeviceMapping",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "BlockDeviceMapping",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "\n\n@param member\n@return Returns a reference to this object so that
method calls can be chained together.*/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "BlockDeviceMapping",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocationName" : "Item",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "item",  
  "uri" : false
},
"idempotencyToken" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "Member",  
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "BlockDeviceMapping",  
  "variableName" : "member",  
  "variableType" : "BlockDeviceMapping",  
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,  
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BlockDeviceMapping",  
  "variableName" : "member",  
  "variableType" : "BlockDeviceMapping",  
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping"}
"variableSetterType" : "BlockDeviceMapping",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<BlockDeviceMapping>",
"documentation" : "",
"simpleType" : "List<BlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<BlockDeviceMapping>",
"documentation" : "<p>One or more block device mapping entries.</p>",
"simpleType" : "List<BlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Monitoring",
"c2jShape" : "SpotFleetMonitoring"}
"deprecated" : false,
"documentation" : "<p>Enable or disable monitoring for the instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>\n@param
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMonitoring",
"getterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>\n@return Enable or disable monitoring for the instances.*/",
"getterMethodName" : "getMonitoring",
"getterModel" : {
  "returnType" : "SpotFleetMonitoring",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Monitoring",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "monitoring",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>\n@param
@return Enable or disable monitoring for the instances.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "SpotFleetMonitoring",
  "variableName" : "monitoring",
  "variableType" : "SpotFleetMonitoring",
  "documentation" : "",
  "simpleType" : "SpotFleetMonitoring",
  "variableSetterType" : "SpotFleetMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>\n@param
monitoring Enable or disable monitoring for the instances. */

    "variable" : {
        "variableDeclarationType" : "SpotFleetMonitoring",
        "variableName" : "monitoring",
        "variableType" : "SpotFleetMonitoring",
        "documentation" : "<p>Enable or disable monitoring for the instances.</p>",
        "simpleType" : "SpotFleetMonitoring",
        "variableSetterType" : "SpotFleetMonitoring"
    },
    "xmlNameSpaceUri" : null
}]

"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet in which to launch the instances. To specify multiple subnets,
separate them using commas; for example, \"subnet-a61dafcf, subnet-65ea5f08\".</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances. To specify
multiple subnets, separate them using commas; for example, \"subnet-a61dafcf, subnet-65ea5f08\".</p>@param
subnetId The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using
commas; for example, \"subnet-a61dafcf, subnet-65ea5f08\".@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances. To specify
multiple subnets, separate them using commas; for example, \"subnet-a61dafcf, subnet-65ea5f08\".</p>
@return The ID of
the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example,
\"subnet-a61dafcf, subnet-65ea5f08\".*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flat.tened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SubnetId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "subnetId",
    "uri" : false
}.

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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances. To specify multiple
subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08\".</p>
@param subnetId
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for
example, "subnet-a61dafcf, subnet-65ea5f08\". */",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances. To specify
multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08\".</p>
@param subnetId The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using
commas; for example, "subnet-a61dafcf, subnet-65ea5f08\".\n@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet in which to launch the instances. To specify multiple subnets,
separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08\".</p>
",  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "NetworkInterfaces",
"c2jShape" : "InstanceNetworkInterfaceSpecificationList",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify
subnet IDs and security group IDs using the network interface.</p>
",  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you
must specify subnet IDs and security group IDs using the network interface.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.\n@return Returns a reference to this object so that method calls can be chained
together. */",
"fluentSetterMethodName" : "withNetworkInterfaces",  

"getterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>\n@return One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
"returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceNetworkInterfaceSpecification",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceNetworkInterfaceSpecification",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
"variableName" : "member",
"variableType" : "InstanceNetworkInterfaceSpecification",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
"variableName" : "member",
"variableType" : "InstanceNetworkInterfaceSpecification",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterfaceSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*="/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
 "variableDeclarationType" :
 "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
 "variableName" : "networkInterfaces",
 "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
 "documentation" : "",
 "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
 "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
 },
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setNetworkInterfaces(java.util.Collection)} or { @link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
 "variableDeclarationType" :
 "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
 "variableName" : "networkInterfaces",
 "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
 "documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
 "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
 "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
 },
"xmlNameSpaceUri" : null
}, {"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*="/"
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile.</p>
\n@return The IAM instance profile. */",
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
  "returnType" : "IamInstanceProfileSpecification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IamInstanceProfile",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iamInstanceProfile",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
\n@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
\n@param iamInstanceProfile The IAM instance profile: \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "<p>The IAM instance profile.</p>",
  "simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"}
"variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.</p>
 */",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.</p>
 */",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EbsOptimized",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ebsOptimized",
  "variableSetterType" : "IamInstanceProfileSpecification"
}.
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**
<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.</code>*/",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargDocumentation" : "/**
<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.</code>*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code></p>
{return Returns a reference to this object so that method calls can be chained together.</code>*/",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
"c2jName": "WeightedCapacity",
"c2jShape": "Double",
"deprecated": false,
"documentation": 
  "<p>The number of units provided by the specified instance type. These are the same units
that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory,
or I/O).</p>
  
  If the target capacity divided by this value is not a whole number, we round the number of
  instances to the next whole number. If this value is not specified, the default is 1.</p>

  
  "enumType": null,
  
  "fluentSetterDocumentation": 
    "/**
     * The number of units provided by the specified instance type. These are the same units
     * that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
     * If the target capacity divided by this value is not a whole number, we round the number of
     * instances to the next whole number. If this value is not specified, the default is 1.
     * */
     *
     * @param weightedCapacity The number of units provided by the specified instance type. These are the same units that you
     * chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
     * If the target capacity divided by this value is not a whole number, we round the number of instances to
     * the next whole number. If this value is not specified, the default is 1.
     * @return Returns a reference to this object so that method calls can be chained together.
     */",
  
  "fluentSetterMethodName": "withWeightedCapacity",
  
  "getterDocumentation": 
    "/**
     * The number of units provided by the specified instance type. These are the same units
     * that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
     * If the target capacity divided by this value is not a whole number, we round the number of
     * instances to the next whole number. If this value is not specified, the default is 1.
     * */
     *
     * @return The number of units provided by the specified instance type. These are the same units that you chose to set the target
     * capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
     * If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If
     * this value is not specified, the default is 1.
     */",
  
  "getterMethodName": "getWeightedCapacity",
  
  "getterModel": {
    "returnType": "Double",
    "documentation": null
  },
  
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "WeightedCapacity",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "weightedCapacity",
    "uri": false
  },
  
  "idempotencyToken": false,
  
  "list": false,
"classList" : null,
"map" : false,
"mapModel" : null,
"name" : "WeightedCapacity",
"setterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). </p> 
If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1. 

@param weightedCapacity The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).

If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1. */",
"setterMethodName" : "setWeightedCapacity",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "weightedCapacity",
  "variableType" : "Double",
  "documentation" : ",",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).

If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.

@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "weightedCapacity",
  "variableType" : "Double",
  "documentation" : ",",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SpotPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : ",<p>The bid price per unit hour for the specified instance type. If this value is not specified,
the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of `<code>WeightedCapacity</code>`.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of `<code>WeightedCapacity</code>`.

\n@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of `<code>WeightedCapacity</code>`.

\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withSpotPrice",
"getterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of `<code>WeightedCapacity</code>`.

\n@return The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of `<code>WeightedCapacity</code>`.

\n*/",
"getterMethodName" : "getSpotPrice",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotPrice",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of `<code>WeightedCapacity</code>`.

\n@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of `<code>WeightedCapacity</code>`.

\n@return Returns a reference to this object so that method calls can be chained together. */"
<code>WeightedCapacity</code>.*"/
    "setterMethodName" : "setSpotPrice",
    "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotPrice",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>. The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.</p>
    @param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/
    @return Returns a reference to this object so that method calls can be chained together.*"/
    "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotPrice",
    "variableType" : "String",
    "documentation" : "<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }],
  "membersAsMap" : {
  "AddressingType" : {
  "c2jName" : "AddressingType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Deprecated.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
  },
  "http" : {
  "additionalMarshallingPath" : null,
  "xmlNameSpaceUri" : null
  }]
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AddressingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "addressingType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AddressingType",
"setterDocumentation" : "/**\n**\n@param addressingType Deprecated.\n*/",
"setterMethodName" : "setAddressingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "addressingType",
  "variableType" : "String",
  "documentation" : "\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n**\n@param addressingType Deprecated.\n\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "addressingType",
  "variableType" : "String",
  "documentation" : "<p>Deprecated.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
  "c2jName" : "BlockDeviceMappings",
  "c2jShape" : "BlockDeviceMappingList",
  "deprecated" : false,
  "documentation" : "<p>One or more block device mapping entries.</p>",
  "enumType" : "null,"}
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<BlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "BlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "BlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "BlockDeviceMapping",
"variableName": "member",
"variableType": "BlockDeviceMapping",
"documentation": "",
"simpleType": "BlockDeviceMapping",
"variableSetterType": "BlockDeviceMapping"
},
"simple": false,
"varargSetterDocumentation": "/**\n@returns Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "BlockDeviceMapping",
"variableName": "member",
"variableType": "BlockDeviceMapping",
"documentation": "",
"simpleType": "BlockDeviceMapping",
"variableSetterType": "BlockDeviceMapping"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "BlockDeviceMapping",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "BlockDeviceMapping",
"templateImplType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType": "java.util.List<BlockDeviceMapping>"
},
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/**\n<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.*/",
"setterMethodName": "setBlockDeviceMappings",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>One or more block device mapping entries.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setBlockDeviceMappings(java.util.Collection)\} or \{@link #withBlockDeviceMappings(java.util.Collection)\} if you want to override the existing values.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "One or more block device mapping entries.
"simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"xmlnsNamespaceUri": null
},
"EbsOptimized": {
  "c2jName": "EbsOptimized",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "Indicates whether the instances are optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS Optimized instance.\n<p><b>Default: false</b></p>"
},
"enumType": null,
"fluentSetterDocumentation": "Indicates whether the instances are optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide
optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges"
param ebsOptimized

Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

Default: <code>false</code>

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "withEbsOptimized",

"getterDocumentation": "*/*

Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

Default: <code>false</code>

@return Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

Default: <code>false</code>*/

"getMethodName": "getEbsOptimized",

"getModel": {  
  "returnType": "Boolean",
  "documentation": null
},

"http": {  
  "additionalMarshalllingPath": null,
  "additionalUnmarshalllingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "EbsOptimized",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ebsOptimized",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "EbsOptimized",

"setterDocumentation": "*/*

Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

Default: <code>false</code>

@return Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

Default: <code>false</code>*/

"setterMethodName": "setEbsOptimized",

"setterModel": {  
  "returnType": "Boolean",
  "documentation": null
},

"http": {  
  "additionalMarshalllingPath": null,
  "additionalUnmarshalllingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "EbsOptimized",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ebsOptimized",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "EbsOptimized",

"setterDocumentation": "*/*"
<code>false</code>*\*/

"setterMethodName" : "setEbsOptimized",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsOptimized",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\</p> <p>Default: <code>false</code>\</p>\n@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\</p> <p>Default: <code>false</code>\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsOptimized",
    "variableType" : "Boolean",
    "documentation" : "Indicates whether the instances are optimized for EBS I/O.
This optimization provides dedicated throughput to Amazon EBS and an optimized configuration
stack to provide optimal EBS I/O performance. This optimization isn't available with all
instance types. Additional usage charges apply when using an EBS Optimized instance."
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
    "c2jName" : "IamInstanceProfile",
    "c2jShape" : "IamInstanceProfileSpecification",
    "deprecated" : false,
    "documentation" : "The IAM instance profile.\</p> <p>\n@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "\n@The IAM instance profile.\n@return The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "\nThe IAM instance profile.\n@return The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
    "returnType" : "IamInstanceProfileSpecification",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IamInstanceProfile",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "iamInstanceProfile",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.*="/n@param iamInstanceProfile The IAM instance profile.*="/n@returns Returns a reference to this object so that method calls can be chained together.*="/n@variable" : {
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    "variableName" : "iamInstanceProfile",
    "variableType" : "IamInstanceProfileSpecification",
    "documentation" : "",
    "simpleType" : "IamInstanceProfileSpecification",
    "variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*="/n@variable" : {
    "variableDeclarationType" : "IamInstanceProfileSpecification",
    "variableName" : "iamInstanceProfile",
    "variableType" : "IamInstanceProfileSpecification",
    "documentation" : "<p>The IAM instance profile.</p>",
    "simpleType" : "IamInstanceProfileSpecification",
    "variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlnsNameSpaceUri" : null
},
"ImageId" : {
    "c2jName" : "ImageId",
    "c2jShape" : "String",
}
"deprecated" : false,
"documentation" : "<p>The ID of the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI.</p>
@return The ID of the AMI.
*/",
"getterMethodName" : "getImageId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "imageId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"setterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"KernelId" : {
  "c2jName" : "KernelId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the kernel.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.</p>",
  "fluentSetterMethodName" : "withKernelId",
  "getterDocumentation" : "/**<p>The ID of the kernel.</p>
@return The ID of the kernel.
@see KernelId*/",
  "getterMethodName" : "getKernelId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.*//",
"setterMethodName" : "setKernelId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "kernelId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*//",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "kernelId",
"variableType" : "String",
"documentation" : "<p>The ID of the kernel.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"KeyName" : {
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*//",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/*<p>The name of the key pair.</p>
@return The name of the key pair.*//"
"getterMethodName" : "getKeyName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KeyName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "keyName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"simpleType" : "SpotFleetMonitoring",
"variableSetterType" : "SpotFleetMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* Enable or disable monitoring for the instances.
* @param monitoring Enable or disable monitoring for the instances.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "SpotFleetMonitoring",
    "variableName" : "monitoring",
    "variableType" : "SpotFleetMonitoring",
    "documentation" : "<p>Enable or disable monitoring for the instances.</p>",
    "simpleType" : "SpotFleetMonitoring",
    "variableSetterType" : "SpotFleetMonitoring"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
    "c2jName" : "NetworkInterfaces",
    "c2jShape" : "InstanceNetworkInterfaceSpecificationList",
    "deprecated" : false,
    "documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
* One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
* @param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaces",
    "getterDocumentation" : "/**
* One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
* @return One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
    "getterMethodName" : "getNetworkInterfaces",
    "getterModel" : {
        "returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
    },
"marshallLocationName" : "NetworkInterfaceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceNetworkInterfaceSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceNetworkInterfaceSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@\n@param member */",
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "InstanceNetworkInterfaceSpecification",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "InstanceNetworkInterfaceSpecification",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
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    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@\n@param member */",}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceSpecification",
  "variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* @param member
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceSpecification",
  "variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterfaceSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**
<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
* @param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : 
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : 
  "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : ""}
"simpleType" : "List<InstanceNetworkInterfaceSpecification>",
"variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>",
"simple" : false,
"varargSetterDocumentation" : "<p>One or more network interfaces. If you specify a network interface,
you must specify subnet IDs and security group IDs using the network interface.<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setNetworkInterfaces(java.util.Collection)] or [@link #withNetworkInterfaces(java.util.Collection)] if you want to override the existing values.<p><@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.<p><@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : 
"com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : "One or more network interfaces. If you specify a network interface, you must specify
subnet IDs and security group IDs using the network interface.
<p>The placement information.</p>
@param placement The placement
information.<p><@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "The placement information.<p><@return The placement information.</p>*/",
"getterMethodName" : "getPlacement",
"getterModel" : {
"returnType" : "SpotPlacement",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"xmlNameSpaceUri" : null
},
"Placement" : {
"c2jName" : "Placement",
"c2jShape" : "SpotPlacement",
"deprecated" : false,
"documentation" : "The placement information.
@param placement The placement
information.<p><@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "The placement information.<p><@return The placement information.</p>*/",
"getterMethodName" : "getPlacement",
"getterModel" : {
"returnType" : "SpotPlacement",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"xmlNameSpaceUri" : null
},
"xmlNameSpaceUri" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "placement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/*<p>The placement information.</p>
@param placement The placement information.*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "",
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The placement information.</p>
@param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "<p>The placement information.</p>",
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"xmlNameSpaceUri" : null
},
"RamdiskId" : {
  "c2jName" : "RamdiskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the RAM disk.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"RamdiskId" : null,
"RamdiskId" : {
  "c2jName" : "RamdiskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the RAM disk.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRamdiskId",
  "getterDocumentation" : "/*<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
  "getterMethodName" : "getRamdiskId",
  "getterModel" : {
    "returnType" : "String",
  }
}
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RamdiskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ramdiskId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the RAM disk.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SecurityGroups" : {
  "documentation" : null
},
"c2jName" : "SecurityGroups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

"enumType" : null,
"fluentSetterDocumentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

"getterMethodName" : "getSecurityGroups",
"getterModel" : {
  "returnType" : "java.util.List<GroupIdentifier>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
},
&idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
    "deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : null,
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
}
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>",
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : /**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p><p>@param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>*/
@param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/
.setterMethodName" : "setSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p><p>Note: This method appends the values to the existing list (if any). Use { @link #setSecurityGroups(java.util.Collection)} or { @link #withSecurityGroups(java.util.Collection)} if you want to override the existing values.</p><p>@param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>*/
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
xmNameSpaceUri" : null
},
"SpotPrice" : {
"c2jName" : "SpotPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.</p>
@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotPrice",
"getterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/
@return The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/",
"getterMethodName" : "getSpotPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotPrice",
"queryString" : false,
"statusCode" : false,
"variables" : null
},
"values" : [{
"variableName" : "SpotPrice",
"value" : "SpotPrice"
}]
}
"unmarshallLocationName" : "spotPrice",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/*<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/
@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/
@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08".

### documentation
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08".

### fluentSetterDocumentation
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08".

```java
public void withSubnetId(String subnetId) {
    // Implementation
}
```

### getterDocumentation
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08".

```java
public String getSubnetId() {
    // Implementation
}
```

### setterDocumentation
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08".

```java
public void setSubnetId(String subnetId) {
    // Implementation
}
```
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08". To specify multiple subnets, separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08".

```java
public void withUserData(String userData) {
    // Method implementation
}
```

The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
public String getUserData() {
    // Method implementation
}
```

The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
public void withUserData(String userData) {
    // Method implementation
}
```

The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
public String getUserData() {
    // Method implementation
}
```
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserData",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userData",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS
SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise,
you must provide Base64-encoded text.</p>@param userData The user data to make available to the instances. If
you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text
from a file. Otherwise, you must provide Base64-encoded text.</p>*/",
"setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.</p>@param userData The user data to make available to the instances. If
you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text
from a file. Otherwise, you must provide Base64-encoded text.</p>
@return Returns a reference to this
object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "<p>The user data to make available to the instances. If you are using an AWS
SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise,
you must provide Base64-encoded text.</p>
"simpleType" : "String",
  "variableSetterType" : "String"},
"variableSetterType" : "String",
"xmlNameSpaceUri" : null,
"WeightedCapacity" : {
  "c2jName" : "WeightedCapacity",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.",
  "fluentSetterMethodName" : "withWeightedCapacity",
  "getterDocumentation" : "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.",
  "getterMethodName" : "getWeightedCapacity",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "WeightedCapacity",
    "queryString" : false,
    "statusCode" : false,

documentation" : "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.",
  "fluentSetterMethodName" : "withWeightedCapacity",
  "getterDocumentation" : "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.",
  "getterMethodName" : "getWeightedCapacity",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "WeightedCapacity",
    "queryString" : false,
    "statusCode" : false,

doctor
"unmarshallLocationName" : "weightedCapacity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "WeightedCapacity",
"setterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).<p> If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.<p>@param weightedCapacity The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).<p> If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.*"",
"setterMethodName" : "setWeightedCapacity",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "weightedCapacity",
"variableType" : "Double",
"documentation" : "",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).<p> If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.<p>@param weightedCapacity The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).<p> If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.<p>@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "weightedCapacity",
"variableType" : "Double",
"documentation" : "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).<p> If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1."",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassName" : null,
"required" : null,
"shapeName" : "SpotFleetLaunchSpecification",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotFleetLaunchSpecification",
  "variableName" : "spotFleetLaunchSpecification",
  "variableType" : "SpotFleetLaunchSpecification",
  "documentation" : null,
  "simpleType" : "SpotFleetLaunchSpecification",
  "variableSetterType" : "SpotFleetLaunchSpecification"
},
"wrapper" : false,
"SpotFleetMonitoring" : {
  "c2jName" : "SpotFleetMonitoring",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes whether monitoring is enabled.</p> "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    
      "c2jName" : "Enabled",
      "c2jShape" : "Boolean",
      "deprecated" : false,
      "documentation" : "<p>Enables monitoring for the instance.</p> Default: <code>false</code> "",
      "enumType" : null,
      "fluentSetterDocumentation" : "<p>Enables monitoring for the instance.</p> Default: <code>false</code> "",
      "getterDocumentation" : "<p>Returns a reference to this object so that method calls can be chained together.</p> "",
      "fluentSetterMethodName" : "withEnabled",
      "getterDocumentation" : "<p>Enables monitoring for the instance.</p> Default: <code>false</code> "
  ]
}
<!--return Enables monitoring for the instance. Default: false-->/*

"getterMethodName" : "getEnabled",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enabled",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Enabled",
"setterDocumentation" : "/** Enables monitoring for the instance. Default: false */",

"setterMethodName" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},

"simple" : true,
"varargSetterDocumentation" : "/** Enables monitoring for the instance. Default: false */",

"return" : Enables monitoring for the instance. Default: false
*/

@returns A reference to this object so that method calls can be chained together. /*

"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "<p>Enables monitoring for the instance. Default: false</p>

@returns A reference to this object so that method calls can be chained together. */

@returns A reference to this object so that method calls can be chained together. */

@returns A reference to this object so that method calls can be chained together. */

@returns A reference to this object so that method calls can be chained together. */

@returns A reference to this object so that method calls can be chained together. */
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : ""/**<p>Enables monitoring for the instance.</p> <p>Default: <code>false</code></p>
@param enabled Enables monitoring for the instance.</p> <p>Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Enables monitoring for the instance.</p> <p>Default: <code>false</code> </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotFleetMonitoring",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotFleetMonitoring",
  "variableName" : "spotFleetMonitoring",
  "variableType" : "SpotFleetMonitoring",
  "documentation" : null,
  "simpleType" : "SpotFleetMonitoring",
  "variableSetterType" : "SpotFleetMonitoring"
},
"wrapper" : false
},
"SpotFleetRequestConfig" : {
  "c2jName" : "SpotFleetRequestConfig",
  "customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
  "deprecated" : false,
"documentation" : "Describes a Spot fleet request.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [
  {
    "c2jName" : "SpotFleetRequestId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the Spot fleet request.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The ID of the Spot fleet request.
@returns string
@returns Returns a reference to this object so that method calls can be chained
Together.",
    "fluentSetterMethodName" : "withSpotFleetRequestId",
    "getterDocumentation" : "The ID of the Spot fleet request.
@returns string
@returns The ID of the Spot fleet request.
*/",
    "getterMethodName" : "getSpotFleetRequestId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SpotFleetRequestId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "spotFleetRequestId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "SpotFleetRequestId",
    "setterDocumentation" : "The ID of the Spot fleet request.
@returns string
@returns The ID of the Spot fleet request.
*/"},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "The ID of the Spot fleet request.
@returns string
@returns The ID of the Spot fleet request.
*/"},
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotFleetRequestId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotFleetRequestId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}
"c2jName" : "SpotFleetRequestId",
"c2jShape" : "BatchState",
"deprecated" : false,
"documentation" : "<p>The state of the Spot fleet request.</p>
@param spotFleetRequestState The state of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together. See BatchState*/",
"fluentSetterDocumentation" : "/**
<p>The state of the Spot fleet request.</p>
@param spotFleetRequestState The state of the Spot fleet request.
@return The state of the Spot fleet request. See BatchState*/",
"fluentSetterMethodName" : "withSpotFleetRequestState",
"getterDocumentation" : "/**
<p>The state of the Spot fleet request.</p>
@return The state of the Spot fleet request. See BatchState*/",
"getterMethodName" : "getSpotFleetRequestState",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "SpotFleetRequestState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestState",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestState",
"setterDocumentation" : "/**<p>The state of the Spot fleet request.</p>
@param spotFleetRequestState The state of the Spot fleet request.
@see BatchState*/",
"setterMethodName" : "setSpotFleetRequestState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the Spot fleet request.</p>
@param spotFleetRequestState The state of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
@see BatchState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "<p>The state of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "SpotFleetRequestConfig",
"c2jShape" : "SpotFleetRequestConfigData",
"deprecated" : false,
"documentation" : "<p>Information about the configuration of the Spot fleet request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.</p>
@param spotFleetRequestConfig Information about the configuration of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
@see BatchState*/",
"fluentSetterMethodName" : "withSpotFleetRequestConfig",
"getterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.</p>
@return Information about the configuration of the Spot fleet request.
@see BatchState*/";
"getterMethodName" : "getSpotFleetRequestConfig",
"getterModel" : {
  "returnType" : "SpotFleetRequestConfigData",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestConfig",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestConfig",
"setterDocumentation" : /*\p>Information about the configuration of the Spot fleet request.\p>\n@param spotFleetRequestConfig Information about the configuration of the Spot fleet request.*/",
"setterMethodName" : "setSpotFleetRequestConfig",
"setterModel" : {
  "variableDeclarationType" : "SpotFleetRequestConfigData",
  "variableName" : "spotFleetRequestConfig",
  "variableType" : "SpotFleetRequestConfigData",
  "documentation" : "",
  "simpleType" : "SpotFleetRequestConfigData",
  "variableSetterType" : "SpotFleetRequestConfigData"
},
"simple" : false,
"varargSetterDocumentation" : /*\p>Information about the configuration of the Spot fleet request.\p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfigData",
  "variableName" : "spotFleetRequestConfig",
  "variableType" : "SpotFleetRequestConfigData",
  "documentation" : "<p>Information about the configuration of the Spot fleet request.</p>",
  "simpleType" : "SpotFleetRequestConfigData",
  "variableSetterType" : "SpotFleetRequestConfigData"
"xmlNameSpaceUri" : null
},
"c2jName" : "CreateTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The creation date and time of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The creation date and time of the request.</p>
@param createTime The creation date and time of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateTime",
"getterDocumentation" : "/**<p>The creation date and time of the request.</p>
@return The creation date and time of the request.*/",
"getterMethodName" : "getCreateTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CreateTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The creation date and time of the request.</p>
@param createTime The creation date and time of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : ""
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/** The creation date and time of the request.*/\n@param createTime The creation date and time of the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "The creation date and time of the request.",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "ActivityStatus",
"c2jShape" : "ActivityStatus",
"deprecated" : false,
"documentation" : "The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.\n
@see ActivityStatus*/",
"enumType" : "ActivityStatus",
"fluentSetterDocumentation" : "/** The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.\n
@see ActivityStatus*/",
"fluentSetterMethodName" : "withActivityStatus",
"getterDocumentation" : "/** The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.\n
@see ActivityStatus*/",
"getterMethodName" : "getActivityStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"xmlNameSpaceUri" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ActivityStatus",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "activityStatus",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ActivityStatus",
"setterDocumentation": "/**<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.<p>@param activityStatus The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.<p>@see ActivityStatus*/",
"setterMethodName": "setActivityStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "activityStatus",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.<p>@param activityStatus The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see ActivityStatus*/",null}
"variable": {
  "variableDeclarationType": "String",
  "variableName": "activityStatus",
  "variableType": "String",
  "documentation": "<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
  "ActivityStatus": {
    "c2jName": "ActivityStatus",
    "c2jShape": "ActivityStatus",
    "deprecated": false,
    "documentation": "<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.</p>",
    "enumType": "ActivityStatus",
    "fluentSetterDocumentation": "/**<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.</p>\n@param activityStatus The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ActivityStatus*/",
    "fluentSetterMethodName": "withActivityStatus",
    "getterDocumentation": "/**<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.\n@return The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.\n@see ActivityStatus*/",
    "getterMethodName": "getActivityStatus",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
    }
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ActivityStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "activityStatus",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ActivityStatus",
"setterDocumentation" : "/**\n<p>The progress of the Spot fleet request. If there is an error, the status is \n<code>error</code>. After all bids are placed, the status is \n<code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is \n<code>fulfilled</code>. If the size of the fleet is decreased, the status is \n<code>pending_termination</code> while Spot instances are terminating. \n</p>\n@param activityStatus The progress of the Spot fleet request. If there is an error, the status is \n<code>error</code>. After all bids are placed, the status is \n<code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is \n<code>fulfilled</code>. If the size of the fleet is decreased, the status is \n<code>pending_termination</code> while Spot instances are terminating.\n@see ActivityStatus*/",
"setterMethodName" : "setActivityStatus",
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  "variableName" : "activityStatus",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The progress of the Spot fleet request. If there is an error, the status is \n<code>error</code>. After all bids are placed, the status is \n<code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is \n<code>fulfilled</code>. If the size of the fleet is decreased, the status is \n<code>pending_termination</code> while Spot instances are terminating.\n</p>\n@param activityStatus The progress of the Spot fleet request. If there is an error, the status is \n<code>error</code>. After all bids are placed, the status is \n<code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is \n<code>fulfilled</code>. If the size of the fleet is decreased, the status is \n<code>pending_termination</code> while Spot instances are terminating.\n@see ActivityStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
...
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"variableType": "String",
"documentation": "The progress of the Spot fleet request. If there is an error, the status is \[code\]error[/code]. After all bids are placed, the status is \[code\]pending_fulfillment[/code]. If the size of the fleet is equal to or greater than its target capacity, the status is \[code\]fulfilled[/code]. If the size of the fleet is decreased, the status is \[code\]pending_termination[/code] while Spot instances are terminating.\[/p\],

"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"CreateTime": {
"c2jName": "CreateTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "The creation date and time of the request.\[/p\],
"enumType": null,
"fluentSetterDocumentation": "\/*\<p\>The creation date and time of the request.\*/\n@param createTime
The creation date and time of the request.\n@return Returns a reference to this object so that method calls can be chained together.\*/\n",
"fluentSetterMethodName": "withCreateTime",
"getterDocumentation": "\/*\<p\>The creation date and time of the request.\*/\n@return The creation date and time of the request.\*/\n",
"getterMethodName": "getCreateTime",
"getterModel": {
 "returnType": "java.util.Date",
"documentation": null
},
"http": {
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 "additionalUnmarshallingPath": null,
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 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
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 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "createTime",
 "uri": false
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 "idempotencyToken": false,
 "list": false,
 "listModel": null,
 "map": false,
 "mapModel": null,
"name": "CreateTime",
"setterDocumentation": "/**\n<p>The creation date and time of the request.</p>\n@\param createTime The creation date and time of the request.*/",
"setterMethodName": "setCreateTime",
"setterModel": {
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  "variableName": "createTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The creation date and time of the request.</p>\n@\param createTime The creation date and time of the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "createTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The creation date and time of the request.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"SpotFleetRequestConfig": {
  "c2jName": "SpotFleetRequestConfig",
  "c2jShape": "SpotFleetRequestConfigData",
  "deprecated": false,
  "documentation": "<p>Information about the configuration of the Spot fleet request.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>Information about the configuration of the Spot fleet request.</p>\n@\param spotFleetRequestConfig Information about the configuration of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSpotFleetRequestConfig",
  "getterDocumentation": "/**\n<p>Information about the configuration of the Spot fleet request.</p>\n@return Information about the configuration of the Spot fleet request.*/",
  "getterMethodName": "getSpotFleetRequestConfig",
  "getterModel": {
    "returnType": "SpotFleetRequestConfigData",
    "documentation": "null"
  },
  "http": {
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    "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestConfig",
"uri" : false
],
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestConfig",
"setterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.</p>
@param
spotFleetRequestConfig Information about the configuration of the Spot fleet request.*/",
"setterMethodName" : "setSpotFleetRequestConfig",
"setterModel" : {
  "variableDeclarationType" : "SpotFleetRequestConfigData",
  "variableName" : "spotFleetRequestConfig",
  "simpleType" : "SpotFleetRequestConfigData",
  "variableSetterType" : "SpotFleetRequestConfigData"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.\n@param spotFleetRequestConfig Information about the configuration of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfigData",
  "variableName" : "spotFleetRequestConfig",
  "simpleType" : "SpotFleetRequestConfigData",
  "variableSetterType" : "SpotFleetRequestConfigData"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@returns null@param spotFleetRequestId The Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 9912
ID of the Spot fleet request.

```java
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withSpotFleetRequestId",
"getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@returns The ID of the Spot fleet request.*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
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"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : null
},
"variableModel" : {
"returnType" : "String",
"documentation" : null
},
"varargSetterMethodName" : "withArrayOfSpotFleetRequestIds",
"varargSetterModel" : {
"variableDeclarationType" : "String[]",
"variableName" : "arrayOfSpotFleetRequestIds",
"variableType" : "String[]",
"documentation" : null
},
"voidMethodDocumentation" : "/**
 * A description of the void method.
 * @param parameters The parameters for the method.
 */
```
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"SpotFleetRequestState" : {
  "c2jName" : "SpotFleetRequestState",
  "c2jShape" : "BatchState",
  "deprecated" : false,
  "documentation" : "<p>The state of the Spot fleet request.</p>",
  "enumType" : "BatchState",
  "fluentSetterDocumentation" : "<!--[CDATA[The state of the Spot fleet request]]></>qn@param
  spotFleetRequestState The state of the Spot fleet request.qn@return Returns a reference to this object so that method
calls can be chained together.qn@see BatchState*/",
  "fluentSetterMethodName" : "withSpotFleetRequestState",
  "getterDocumentation" : "<!--[CDATA[The state of the Spot fleet request]]></>qn@return The state of the Spot fleet
  request.qn@see BatchState*/",
  "getterMethodName" : "getSpotFleetRequestState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotFleetRequestState",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotFleetRequestState",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SpotFleetRequestState",
  "setterDocumentation" : "<!--[CDATA[The state of the Spot fleet request]]></>qn@param spotFleetRequestState The
  state of the Spot fleet request.qn@see BatchState*/";
"setterMethodName" : "setSpotFleetRequestState",
"setterModel" : {
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  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\nThe state of the Spot fleet request.</p>
@param
spotFleetRequestState The state of the Spot fleet request.<p/>
@return Returns a reference to this object so that method
calls can be chained together.<p/>
@see BatchState*/",
"variable" : {
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  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "The state of the Spot fleet request.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "SpotFleetRequestState", "SpotFleetRequestConfig", "CreateTime" ],
"shapeName" : "SpotFleetRequestConfig",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "spotFleetRequestConfig",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : null,
  "simpleType" : "SpotFleetRequestConfig",
  "variableSetterType" : "SpotFleetRequestConfig"
},
"wrapper" : false
},
"SpotFleetRequestConfigData" : {
  "c2jName" : "SpotFleetRequestConfigData",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "abstractGenerator" : false,
    "xmlNameSpaceUri" : null
  }
},
"required" : [ "SpotFleetRequestId", "SpotFleetRequestState", "SpotFleetRequestConfig", "CreateTime" ],
"shapeName" : "SpotFleetRequestConfig",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "spotFleetRequestConfig",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : null,
  "simpleType" : "SpotFleetRequestConfig",
  "variableSetterType" : "SpotFleetRequestConfig"
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"wrapper" : false
},
"SpotFleetRequestConfigData" : {
  "c2jName" : "SpotFleetRequestConfigData",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
   *
   * @param clientToken A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
   *
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withClientToken",
  "getterDocumentation" : "/**
   * A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
   *
   * @return A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
   */",
  "getMethod" : "getClientToken",
  "getMethodModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
  }
} ]
}
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "SpotPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The bid price per unit hour.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The bid price per unit hour.</p>@param spotPrice The bid price per unit hour.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotPrice",
  "getterDocumentation" : "/**<p>The bid price per unit hour.</p>@return The bid price per unit hour.*/",
  "getterMethodName" : "getSpotPrice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SpotPrice",
  "setterDocumentation" : "/**<p>The bid price per unit hour.</p>@param spotPrice The bid price per unit hour.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setSpotPrice",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotPrice",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
"simple": true,
"varargSetterDocumentation": "/**<p>The bid price per unit hour.</p>
@param spotPrice The bid price per unit hour.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "spotPrice",
"variableType": "String",
"documentation": "<p>The bid price per unit hour.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "TargetCapacity",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>

"enumType": null,
"fluentSetterDocumentation": "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>
@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withTargetCapacity",
"getterDocumentation": "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>
@return The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.*/",
"getterMethodName": "getTargetCapacity",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "TargetCapacity",
"queryString": false,
immediately.</p>

"enumType" : null,

"fluentSetterDocumentation" : "/**\n* The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</i>\n*\n\n@\n\n*param validFrom The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</i>\n*\n*return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withValidFrom",

"getterDocumentation" : "/**\n* The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</i>\n*\n*return The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.*\n*/",

"getterMethodName" : "getValidFrom",

"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ValidFrom",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "validFrom",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ValidFrom",

"setterDocumentation" : "/**\n* The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</i>\n*\n*param validFrom The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.*\n*/",

"setterMethodName" : "setValidFrom",

"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom"}
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</p>
@param validFrom The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "validFrom",
"variableType" : "java.util.Date",
"documentation" : "<p>The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</p>
",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "ValidUntil",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>
",
"fluentSetterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>
@param validUntil The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValidUntil",
"getterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>
@param validUntil The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getValidUntil",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validUntil",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidUntil",
"setterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>\n@param validUntil The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.*/",
"setterMethodName" : "setValidUntil",
"setterModel" : {
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  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>\n@param validUntil The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>"
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
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"c2jName" : "TerminateInstancesWithExpiration",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "\<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\</p>\n@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\n@return Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/",
"fluentSetterMethodName" : "withTerminateInstancesWithExpiration",
"getterDocumentation" : "/**\<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\</p>\n@return Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/",
"getterMethodName" : "getTerminateInstancesWithExpiration",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
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"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "terminateInstancesWithExpiration",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TerminateInstancesWithExpiration",
"setterDocumentation" : "/**\<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\</p>\n@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/", "xmlNameSpaceUri" : null}
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"setterModel" : {
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  "variableName" : "terminateInstancesWithExpiration",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>
@<p>terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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  "variableName" : "terminateInstancesWithExpiration",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "xmlNameSpaceUri" : null
},
"c2jName" : "IamFleetRole",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.<p>»",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.<p>»
<br>\n@<a>CancelSpotFleetRequests</a> Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withIamFleetRole",
"getterDocumentation" : "/**<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.<p>»
<br>\n@<a>CancelSpotFleetRequests</a> Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.<p>»",
"getterMethodName" : "getIamFleetRole",
"getterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "terminateInstancesWithExpiration",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}
Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using `<a>CancelSpotFleetRequests</a>` or when the Spot fleet request expires, if you set `<code>terminateInstancesWithExpiration</code>.

When you set `<code>terminateInstancesWithExpiration</code>` and the Spot fleet request expires, all Spot instances that are running in the Spot fleet will be terminated. If the Spot fleet request is pending or in the `pending` state, the Spot instances will continue to run.

### Notes

- **Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using `<a>CancelSpotFleetRequests</a>` or when the Spot fleet request expires, if you set `<code>terminateInstancesWithExpiration</code>**.
- **Returns a reference to this object so that method calls can be chained together.**

```java
// Example code

```

### Example

```java
// Example code
```
"variableDeclarationType" : "String",
"variableName" : "iamFleetRole",
"variableType" : "String",
"documentation" : "<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you
cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you
set <code>terminateInstancesWithExpiration</code>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "LaunchSpecsList",
"deprecated" : false,
"documentation" : "<p>Information about the launch specifications for the Spot fleet request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the launch specifications for the Spot fleet
request.</p>
@param launchSpecifications Information about the launch specifications for the Spot fleet
request.
@return Returns a reference to this object so that method calls can be chained together.</p>/**",
"fluentSetterMethodName" : "withLaunchSpecifications",
"getterDocumentation" : "/**<p>Information about the launch specifications for the Spot fleet
request.</p>
@return Information about the launch specifications for the Spot fleet request.</p>/**",
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"getterModel" : {
"returnType" : "java.util.List<SpotFleetLaunchSpecification>",
"documentation" : null
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"implType" : "java.util.List<SpotFleetLaunchSpecification>"
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"c2jShape": "SpotFleetLaunchSpecification",
"deprecated": false,
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"enumType": null,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
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  "documentation": null
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  "greedy": false,
  "header": false,
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  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
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"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableType": "SpotFleetLaunchSpecification",
  "documentation": "",
  "simpleType": "SpotFleetLaunchSpecification",
  "variableSetterType": "SpotFleetLaunchSpecification"
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"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
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    "variableType" : "SpotFleetLaunchSpecification",
    "documentation" : "",
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    "variableSetterType" : "SpotFleetLaunchSpecification"
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<SpotFleetLaunchSpecification>"
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"map" : false,
"mapModel" : null,
"name" : "LaunchSpecifications",
"setterDocumentation" : "/**\n * Information about the launch specifications for the Spot fleet request.\n * \n * @param launchSpecifications Information about the launch specifications for the Spot fleet request.\n * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setLaunchSpecifications",
"setterModel" : {
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    "variableType" : "java.util.List<SpotFleetLaunchSpecification>",
    "documentation" : "",
    "simpleType" : "List<SpotFleetLaunchSpecification>",
    "variableSetterType" : "java.util.Collection<SpotFleetLaunchSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Information about the launch specifications for the Spot fleet request.\n * \n * NOTE: This method appends the values to the existing list (if any). Use {@link #setLaunchSpecifications(java.util.Collection)} or { @link #withLaunchSpecifications(java.util.Collection) } if you want to override the existing values.\n * \n * @param launchSpecifications Information about the launch specifications for the Spot fleet request.\n * @return Returns a reference to this object so that method calls can be chained together. */",
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    "variableType" : "java.util.List<SpotFleetLaunchSpecification>"
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@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@see ExcessCapacityTerminationPolicy*/",
"setterMethodName" : "setExcessCapacityTerminationPolicy",
"setterModel" : {
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  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@return Returns a reference to this object so that method calls can be chained together.
@see ExcessCapacityTerminationPolicy*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "AllocationStrategy",
"c2jShape" : "AllocationStrategy",
"deprecated" : false,
"documentation" : "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
"enumType" : "AllocationStrategy",
"fluentSetterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@param allocationStrategy Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationStrategy*/",
"fluentSetterMethodName" : "withAllocationStrategy",
"getterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@return Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@see AllocationStrategy*/",
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"getterModel" : {
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  "variableName" : "allocationStrategy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"getterModel": {
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    "documentation": null
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"list": false,
"listModel": null,
"map": false,
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"name": "AllocationStrategy",
"setterDocumentation": "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.<p>/n@param allocationStrategy Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.<p>/n@see AllocationStrategy*/",
"setterMethodName": "setAllocationStrategy",
"setterModel": {
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    "variableName": "allocationStrategy",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
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"simple": true,
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"variable": {
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"documentation" : "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "FulfilledCapacity",
"c2jShape" : "Double",
"deprecated" : false,
"documentation" : "<p>The number of units fulfilled by this request compared to the set target capacity.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFulfilledCapacity",
"getterDocumentation" : "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
@return The number of units fulfilled by this request compared to the set target capacity.*/",
"getterMethodName" : "getFulfilledCapacity",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fulfilledCapacity",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FulfilledCapacity",
"setterDocumentation" : "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.
*/",
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"setterModel": {
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  "simpleType": "Double",
  "variableSetterType": "Double"
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"simple": true,
"varargSetterDocumentation": "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "Double",
  "documentation": "The number of units fulfilled by this request compared to the set target capacity.
@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType": "Double"
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  "c2jShape": "FleetType",
  "deprecated": false,
  "documentation": "The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.
@param type The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.
@return Returns a reference to this object so that method calls can be chained together.
@see FleetType*/",
  "fluentSetterDocumentation": "The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.
@param type The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.
@return Returns a reference to this object so that method calls can be chained together.
@see FleetType*/",
  "fluentSetterMethodName": "withType",
  "getterDocumentation": "The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.
@param type The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.
@return Returns a reference to this object so that method calls can be chained together.
@see FleetType*/",
  "getterMethodName": "getType",
  "getterType": "FleetType",
  "variableDeclarationType": "Double",
  "variableName": "fulfilledCapacity",
  "variableType": "Double",
  "documentation": "",
  "simpleType": "Double",
  "variableSetterType": "Double"
}
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.<p>@return The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>

```java
@see FleetType*/
```

available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default:

```xml
<maintain/>

@see FleetType*/
```

```
setterMethodName" : "setType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "type",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.</p>
@param type The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>
@see FleetType*/
```

```
variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "type",
    "variableType" : "String",
    "documentation" : "<p>The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.</p>
</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ReplaceUnhealthyInstances",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether Spot fleet should replace unhealthy instances.</p>

"enumType" : null,
"fluuentSetterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy
instances.

**@param** replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.

**@return** Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withReplaceUnhealthyInstances",
"getterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy instances.</p>

**@return** Indicates whether Spot fleet should replace unhealthy instances.*/",
"getterMethodName" : "getReplaceUnhealthyInstances",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReplaceUnhealthyInstances",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "replaceUnhealthyInstances",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReplaceUnhealthyInstances",
"setterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy instances.</p>

**@param** replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.*/",
"setterMethodName" : "setReplaceUnhealthyInstances",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "replaceUnhealthyInstances",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy instances.</p>

**@param** replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.

**@return** Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "replaceUnhealthyInstances",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether Spot fleet should replace unhealthy instances.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"AllocationStrategy" : {
"c2jName" : " AllocationStrategy",
"c2jShape" : " AllocationStrategy",
"deprecated" : false,
"documentation" : "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>",
"enumType" : "AllocationStrategy",
"fluentSetterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>"\n@<paramref name="allocationStrategy">
Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.
\n@returns Returns a reference to this object so that method calls can be chained together.
\n@see AllocationStrategy*/",
"fluentSetterMethodName" : "withAllocationStrategy",
"getterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>"\n@<paramref name="allocationStrategy">
Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.
\n@returns Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.
\n@see AllocationStrategy*/",
"getterMethodName" : "getAllocationStrategy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allocationStrategy",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationStrategy",
"setterDocumentation" : "/**\nIndicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.\n@see AllocationStrategy*/",
"setterMethodName" : "setAllocationStrategy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationStrategy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nIndicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.\n@see AllocationStrategy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationStrategy",
  "variableType" : "String",
  "documentation" : "Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.\n@see AllocationStrategy*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@see AllocationStrategy*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nA unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@see AllocationStrategy*/",
  "name" : "ClientToken",
  "setterDocumentation" : "/**\nIndicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.\n@see AllocationStrategy*/",
  "setterMethodName" : "setClientToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\nIndicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.\n@see AllocationStrategy*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.\n@see AllocationStrategy*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
<!--rehype-raw-include-->

href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. *\n\n@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*

  <!--rehype-raw-include-->

@return Returns a reference to this object so that method calls can be chained together.*
"documentation": 
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "*/@param clientToken A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {  
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"variableName": "clientToken",
"variableType": "String",
"documentation": "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@return Returns a reference to this object so that method calls can be chained together.*/",

"xmlNameSpaceUri": null
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"ExcessCapacityTerminationPolicy": {  
"c2jName": "ExcessCapacityTerminationPolicy",
"c2jShape": "ExcessCapacityTerminationPolicy",
"deprecated": false,

"documentation": "Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n
@see ExcessCapacityTerminationPolicy*/",

"enumType": "ExcessCapacityTerminationPolicy",

"fluentSetterDocumentation": "Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n
@see ExcessCapacityTerminationPolicy*/",

"getterDocumentation": "Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.\n
@see ExcessCapacityTerminationPolicy*/",

"getterMethodName": "getExcessCapacityTerminationPolicy",

"getterModel": {  
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "excessCapacityTerminationPolicy",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExcessCapacityTerminationPolicy",
"setterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>*/
@param
excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@see
ExcessCapacityTerminationPolicy*/",
"setterMethodName" : "setExcessCapacityTerminationPolicy",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "excessCapacityTerminationPolicy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>*/
@param
excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@return Returns a reference to this object so that method calls can be chained together.
@see
ExcessCapacityTerminationPolicy*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "excessCapacityTerminationPolicy",
"variableType" : "String",
"documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity
of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
"FulfilledCapacity" : {
  "c2jName" : "FulfilledCapacity",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "The number of units fulfilled by this request compared to the set target capacity.
  
  @param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.
  
  @return The number of units fulfilled by this request compared to the set target capacity.
  
  @returnType Double
  
  documentation : null
"}
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FulfilledCapacity",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "fulfilledCapacity",
  "uri" : false
"},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FulfilledCapacity",
"setterDocumentation" : "The number of units fulfilled by this request compared to the set target capacity.
  
  @param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.
  
  @return The number of units fulfilled by this request compared to the set target capacity.
  
  @returnType Double
  
  variableDeclarationType : "Double",
  "variableName" : "fulfilledCapacity",
"}
"variableType" : "Double",
"documentation" : "",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The number of units fulfilled by this request compared to the set target capacity.
*/\n@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "fulfilledCapacity",
"variableType" : "Double",
"documentation" : "The number of units fulfilled by this request compared to the set target capacity.
*/",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"IamFleetRole" : {
"c2jName" : "IamFleetRole",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using \n<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set \n<code>terminateInstancesWithExpiration</code>.\n*/",
"enumType" : null,
"fluentSetterDocumentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using \n<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set \n<code>terminateInstancesWithExpiration</code>. Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using \n<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set \n<code>terminateInstancesWithExpiration</code>.\n*/",
"getterMethodName" : "getIamFleetRole",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"variableType" : "Double",
"documentation" : "",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The number of units fulfilled by this request compared to the set target capacity.\n*/\n@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity\n@return Returns a reference to this object so that method calls can be chained together.*/",
Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using `<a>CancelSpotFleetRequests</a>` or when the Spot fleet request expires, if you set `<code>terminateInstancesWithExpiration</code>.

@returns Returns a reference to this object so that method calls can be chained together.

```java

```
cancel its Spot fleet request using `<a>CancelSpotFleetRequests</a>` or when the Spot fleet request expires, if you set `<code>terminateInstancesWithExpiration</code>`.

```xml
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"LaunchSpecifications" : {
"c2jName" : "LaunchSpecifications",
"c2jShape" : "LaunchSpecsList",
"deprecated" : false,
"documentation" : "Information about the launch specifications for the Spot fleet request.

```
**fluentSetterDocumentation**: "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",

**fluentSetterMethodName**: "withMember",

**getterDocumentation**: "/**\n@return */",

**getterMethodName**: "getMember",

**getterModel**: {
  **returnType**: "SpotFleetLaunchSpecification",
  **documentation**: null
},

**http**: {
  **additionalMarshallingPath**: null,
  **additionalUnmarshallingPath**: null,
  **flattened**: false,
  **greedy**: false,
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  **isStreaming**: false,
  **location**: null,
  **marshallLocationName**: "Item",
  **queryString**: false,
  **statusCode**: false,
  **unmarshallLocationName**: "item",
  **uri**: false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "Member",

**setterDocumentation**: "/**\n@param member */",

**setterMethodName**: "setMember",

**setterModel**: {
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  **variableName**: "member",
  **variableType**: "SpotFleetLaunchSpecification",
  **documentation**: "",
  **simpleType**: "SpotFleetLaunchSpecification",
  **variableSetterType**: "SpotFleetLaunchSpecification"
},

**simple**: false,

**varargSetterDocumentation**: "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",

**variable**: {
  **variableDeclarationType**: "SpotFleetLaunchSpecification",
  **variableName**: "member",
  **variableType**: "SpotFleetLaunchSpecification",
  **documentation**: "",
  **simpleType**: "SpotFleetLaunchSpecification",
  **variableSetterType**: "SpotFleetLaunchSpecification"
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"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "**Indicates whether Spot fleet should replace unhealthy instances.**

```java
@throws \%@replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.

@return Returns a reference to this object so that method calls can be chained together.*/"

"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "replaceUnhealthyInstances",
"variableType" : "Boolean",
"documentation" : "Indicates whether Spot fleet should replace unhealthy instances.

```

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"SpotPrice" : {
"c2jName" : "SpotPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The bid price per unit hour.

```

"enumType" : null,
"fluentSetterDocumentation" : "**The bid price per unit hour.**

```java
@throws \%@spotPrice The bid price per unit hour.

```

@return Returns a reference to this object so that method calls can be chained together.*/"

"fluentSetterMethodName" : "withSpotPrice",
"getterDocumentation" : "**The bid price per unit hour.**

```

"getterMethodName" : "getSpotPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotPrice",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**\n@\n@\n@ param spotPrice The bid price per unit hour.\n*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "spotPrice",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n@\n@ param spotPrice The bid price per unit hour.\n@\n@\n@ return Returns a reference to this object so that method calls can be chained together.\n*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "spotPrice",
   "variableType" : "String",
   "documentation" : "The bid price per unit hour.\n",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetCapacity" : {
   "c2jName" : "TargetCapacity",
   "c2jShape" : "Integer",
   "deprecated" : false,
   "documentation" : "The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.\n",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**\n@\n@\n@ param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.\n@\n@\n@ return Returns a reference to this object so that method calls can be chained together.\n*/",
   "fluentSetterMethodName" : "withTargetCapacity",
   "getterDocumentation" : "/**\n@\n@\n@ return Returns a reference to this object so that method calls can be chained together.\n*/"}
memory, or I/O.

@return The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.

/**
 * The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.
 */
getterMethodName" : "getTargetCapacity",
getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TargetCapacity",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "targetCapacity",
  "uri" : false
},
idempotencyToken" : false,
list" : false,
listModel" : null,
map" : false,
mapModel" : null,
"name" : "TargetCapacity",
setterDocumentation" : "/**\n * The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.
 */
setterMethodName" : "setTargetCapacity",
setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "targetCapacity",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
simple" : true,
varargSetterDocumentation" : "/**\n * The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.
 */
var@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.

@see
such as vCPUs, memory, or I/O.

@returns Returns a reference to this object so that method calls can be chained together.*/

    "variable": {
        "variableDeclarationType": "Integer",
        "variableName": "targetCapacity",
        "variableType": "Integer",
        "documentation": "<p>The number of units to request. You can choose to set the target capacity in terms of
instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>",
        "simpleType": "Integer",
        "variableSetterType": "Integer"
    },
    "xmlNameSpaceUri": null,
  },
  "TerminateInstancesWithExpiration": {
    "c2jName": "TerminateInstancesWithExpiration",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Indicates whether running Spot instances should be terminated when the Spot fleet
request expires.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Indicates whether running Spot instances should be terminated when
the Spot fleet request expires.</p>
@param terminateInstancesWithExpiration Indicates whether running Spot
instances should be terminated when the Spot fleet request expires.</p>
@returns Returns a reference to this object so
that method calls can be chained together.*/",
    "fluentSetterMethodName": "withTerminateInstancesWithExpiration",
    "getterDocumentation": " /**<p>Indicates whether running Spot instances should be terminated when the Spot
fleet request expires.</p>
@return Indicates whether running Spot instances should be terminated when the Spot
fleet request expires.*/",
    "getterMethodName": "getTerminateInstancesWithExpiration",
    "getterModel": {
        "returnType": "Boolean",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
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        "location": null,
        "marshallLocationName": "TerminateInstancesWithExpiration",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "terminateInstancesWithExpiration",
        "uri": false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TerminateInstancesWithExpiration",
"setterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>*/
@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*

"setterMethodName" : "setTerminateInstancesWithExpiration",
"setterModel" : {

"variableDeclarationType" : "Boolean",
"variableName" : "terminateInstancesWithExpiration",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>*/
@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\n@return Returns a reference to this object so that method calls can be chained together.*

"variable" : {

"variableDeclarationType" : "Boolean",
"variableName" : "terminateInstancesWithExpiration",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>

"complexType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Type" : {
"c2jName" : "Type",
"c2jShape" : "FleetType",
"deprecated" : false,
"documentation" : "<p>The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.</p>",
"enumType" : "FleetType",
"fluentSetterDocumentation" : "<p>The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you..."
a certain target capacity, the fleet will only place the required bids. It will not attempt to 
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not 
available. When you want to maintain the target capacity, fleet will place the required bids to 
meet this target capacity. It will also automatically replenish any interrupted instances. Default:

The type of request. Indicates whether the fleet will only 
target capacity, the fleet will only place the required bids. It will not attempt to 
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not 
available. When you want to maintain the target capacity, fleet will place the required bids to 
meet this target capacity. It will also automatically replenish any interrupted instances. Default:

The type of request. Indicates whether the fleet will only 
target capacity, the fleet will only place the required bids. It will not attempt to 
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not 
available. When you want to maintain the target capacity, fleet will place the required bids to 
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
"listModel": null,
"map": false,
"mapModel": null,
"name": "Type",
"setterDocumentation": "/**
 * The type of request. Indicates whether the fleet will only
 * request the target capacity or also attempt to maintain it. When you
 * request a certain target capacity, the fleet will only place the required bids. It will not attempt to
 * replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
 * available. When you want to maintain a certain target capacity, fleet will place the required bids to
 * meet this target capacity. It will also automatically replenish any interrupted instances. Default:
 * maintain
 */

@param type The type of request. Indicates whether the fleet will only
request the target capacity or also attempt to maintain it. When you
request a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to maintain a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:

@see FleetType*/",
"setterMethodName": "setType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "type",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The type of request. Indicates whether the fleet will only
 * request the target capacity or also attempt to maintain it. When you
 * request a certain target capacity, the fleet will only place the required bids. It will not attempt to
 * replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
 * available. When you want to maintain a certain target capacity, fleet will place the required bids to
 * meet this target capacity. It will also automatically replenish any interrupted instances. Default:
 * maintain
 */

@param type The type of request. Indicates whether the fleet will only
request the target capacity or also attempt to maintain it. When you
request a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to maintain a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:

@see FleetType*/

"variable": {
  "variableDeclarationType": "String",
  "variableName": "type",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The type of request. Indicates whether the fleet will only
 * request the target capacity or also attempt to maintain it. When you
 * request a certain target capacity, the fleet will only place the required bids. It will not attempt to
 * replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
 * available. When you want to maintain a certain target capacity, fleet will place the required bids to
 * meet this target capacity. It will also automatically replenish any interrupted instances. Default:
 * maintain
 */

@see FleetType*/
"return Returns a reference to this object so that method calls can be chained
together.*/
"variable": {
  "variableDeclarationType": "String",
  "variableName": "type",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
 * The type of request. Indicates whether the fleet will only
 * request the target capacity or also attempt to maintain it. When you
 * request a certain target capacity, the fleet will only place the required bids. It will not attempt to
 * replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
 * available. When you want to maintain a certain target capacity, fleet will place the required bids to
 * meet this target capacity. It will also automatically replenish any interrupted instances. Default:
 * maintain
 */

@see FleetType*/
"return Returns a reference to this object so that method calls can be chained
together.*/
"variable": {
  "variableDeclarationType": "String",
  "variableName": "type",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

```java
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ValidFrom" : {
"c2jName" : "ValidFrom",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The start date and time of the request, in UTC format (for example, YYYY-MM-DD\THH:MM:SSZ). The default is to start fulfilling the request immediately."
},
"enumType" : null,
"fluentSetterDocumentation" : "The start date and time of the request, in UTC format (for example, YYYY-MM-DD\THH:MM:SSZ). The default is to start fulfilling the request immediately."

```
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "/**
 * The start date and time of the request, in UTC format (for example, \<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). The default is to start fulfilling the request immediately.
 */",
"setterMethodName" : "setValidFrom",
"setterModel" : {
 "variableDeclarationType" : "java.util.Date",
 "variableName" : "validFrom",
 "variableType" : "java.util.Date",
 "documentation" : "",
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The start date and time of the request, in UTC format (for example, \<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). The default is to start fulfilling the request immediately.
 */",
"variable" : {
 "variableDeclarationType" : "java.util.Date",
 "variableName" : "validFrom",
 "variableType" : "java.util.Date",
 "documentation" : "<p>The start date and time of the request, in UTC format (for example, \(<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). The default is to start fulfilling the request immediately.</p>",
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The start date and time of the request, in UTC format (for example, \<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). The default is to start fulfilling the request immediately.
 */",
"xmlNameSpaceUri" : null
},
"ValidUntil" : {
 "c2jName" : "ValidUntil",
 "c2jShape" : "DateTime",
 "deprecated" : false,
 "documentation" : "<p>The end date and time of the request, in UTC format (for example, \(<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
 * The end date and time of the request, in UTC format (for example, \<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>",
"param validFrom The start date and time of the request, in UTC format (for example, \<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). The default is to start fulfilling the request immediately.
 */",
"param validUntil The end date and time of the request, in UTC format (for example, \<i>YYYY</i>-\langle i-MM\langle i-DD\langle i-MM\langle i-T\langle i-HH\langle i-MM\langle i-SS\langle i-Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.
 */\n@returns Returns a reference to this object so that method calls can be chained together. */","
in UTC format (for example, \textit{YYYY-MM-DD HH:MM:SS}). At this point, no new Spot instance requests are placed or enabled to fulfill the request.\n
@return Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withValidUntil",
    "getterDocumentation" : "\/*\p\nThe end date and time of the request, in UTC format (for example, \textit{YYYY-MM-DD HH:MM:SS}). At this point, no new Spot instance requests are placed or enabled to fulfill the request.\n
@return The end date and time of the request, in UTC format (for example, \textit{YYYY-MM-DD HH:MM:SS}). At this point, no new Spot instance requests are placed or enabled to fulfill the request.*/",
    "getterMethodName" : "getValidUntil",
    "getterModel" : {
        "returnType" : "java.util.Date",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ValidUntil",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "validUntil",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ValidUntil",
    "setterDocumentation" : "\/*\p\nThe end date and time of the request, in UTC format (for example, \textit{YYYY-MM-DD HH:MM:SS}). At this point, no new Spot instance requests are placed or enabled to fulfill the request.\n
@param validUntil The end date and time of the request, in UTC format (for example, \textit{YYYY-MM-DD HH:MM:SS}). At this point, no new Spot instance requests are placed or enabled to fulfill the request.*/",
    "setterMethodName" : "setValidUntil",
    "setterModel" : {
        "variableDeclarationType" : "java.util.Date",
        "variableName" : "validUntil",
        "variableType" : "java.util.Date",
        "documentation" : "",
        "simpleType" : "Date",
        "variableSetterType" : "java.util.Date"
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "validUntil",
    "variableType" : "java.util.Date",
    "documentation" : "The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotPrice", "TargetCapacity", "IamFleetRole", "LaunchSpecifications" ],
"shapeName" : "SpotFleetRequestConfigData",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "SpotFleetRequestConfigData",
    "variableName" : "spotFleetRequestConfigData",
    "variableType" : "SpotFleetRequestConfigData",
    "documentation" : null,
    "simpleType" : "SpotFleetRequestConfigData",
    "variableSetterType" : "SpotFleetRequestConfigData"
},
"wrapper" : false
},
"SpotInstanceRequest" : {
    "c2jName" : "SpotInstanceRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "varargSetterDocumentation" : "The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.",
    "@param validUntil The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "simple" : true,
"documentation": "<p>Describes a Spot instance request.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "SpotInstanceRequestId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the Spot instance request.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the Spot instance request.</p>
@param
spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withSpotInstanceRequestId",
    "getterDocumentation": "/**<p>The ID of the Spot instance request.</p>
@return The ID of the Spot instance request.*/",
    "getterMethodName": "getSpotInstanceRequestId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "SpotInstanceRequestId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "spotInstanceRequestId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "SpotInstanceRequestId",
    "setterDocumentation": "/**<p>The ID of the Spot instance request.</p>
@param
spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that
method calls can be chained together.*/"}
"setterMethodName": "setSpotInstanceRequestId",
"setterModel": {
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  "variableName": "spotInstanceRequestId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "spotInstanceRequestId",
  "variableType": "String",
  "documentation": "<p>The ID of the Spot instance request.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "SpotPrice",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSpotPrice",
"getterDocumentation": "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@return The maximum hourly price (bid) for the Spot instance launched to fulfill the request.*/",
"getterMethodName": "getSpotPrice",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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"marshallLocationName" : "SpotPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Type",
"c2jShape" : "SpotInstanceType",
"deprecated" : false,
"documentation" : "<p>The Spot instance request type.</p>
@param type The Spot instance request type.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotInstanceType*/
,"enumType" : "SpotInstanceType",
"fluentSetterDocumentation" : "/**<p>The Spot instance request type.</p>
@param type The Spot instance request type.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotInstanceType*/
,"
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<p>The Spot instance request type.</p>
@see SpotInstanceType*/",
"getterMethodName" : "getType",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "type",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**<p>The Spot instance request type.</p>
@param type The Spot instance request type.
@see SpotInstanceType*/",
"setterMethodName" : "setType",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "type",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Spot instance request type.</p>
@param type The Spot instance request type.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotInstanceType*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "type",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
"enumType" : "SpotInstanceState",
@param state The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see SpotInstanceState*/",
"fluentSetterMethodName" : "withState",
@return The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@see SpotInstanceState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/*<p>The state of the Spot instance request. Spot bid status information can help you
track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param state The state of the Spot instance request.
Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</param>
@see SpotInstanceState*/",
"setterMethodName" : "setState",
"setterModel" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The state of the Spot instance request. Spot bid status information can help you
track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param state The state of the Spot instance request.
Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</param>
@return Returns a reference to this object so that method
calls can be chained together.
@see SpotInstanceState*/",
"variable" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the Spot instance request. Spot bid status information can help you track
your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Fault",
"c2jShape" : "SpotInstanceStateFault"}
The fault codes for the Spot instance request, if any.

```java
@Param fault
```

It returns a reference to this object so that method calls can be chained together. */

```java
@Getters
```

The fault codes for the Spot instance request, if any.

```java
@HasReturn
```

The fault codes for the Spot instance request, if any.

```java
@Setters
```

The fault codes for the Spot instance request, if any.

```java
@IdempotentToken
```
The fault codes for the Spot instance request, if any.

@return Returns a reference to this object so that method calls can be chained together.

```java
"variable" : {
   "variableDeclarationType" : "SpotInstanceStateFault",
   "variableName" : "fault",
   "variableType" : "SpotInstanceStateFault",
   "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
   "simpleType" : "SpotInstanceStateFault",
   "variableSetterType" : "SpotInstanceStateFault"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "SpotInstanceStatus",
"deprecated" : false,
"documentation" : "<p>The status code and status message describing the Spot instance request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The status code and status message describing the Spot instance request.</p>
@param status The status code and status message describing the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**
<p>The status code and status message describing the Spot instance request.</p>
@return The status code and status message describing the Spot instance request.
*/",
"getterMethodName" : "getStatus",
"getterModel" : {
   "returnType" : "SpotInstanceStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
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   "location" : null,
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   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "status",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"variable" : {
   "variableDeclarationType" : "SpotInstanceStateFault",
   "variableName" : "fault",
   "variableType" : "SpotInstanceStateFault",
   "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
   "simpleType" : "SpotInstanceStateFault",
   "variableSetterType" : "SpotInstanceStateFault"
},
"xmlNameSpaceUri" : null
}
```

---

**Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 9968**
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
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"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validFrom",
"uri" : false}
,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "/**<p>The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and
time.</p>/n@param validFrom The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and
time.
*/",
"setterMethodName" : "setValidFrom",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"}
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start date of the request, in UTC format (for example,
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and
time.</p>/n@param validFrom The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and
time./n@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and
time.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"}
"variableSetterType": "java.util.Date",
"xmlNameSpaceUri": null,
}, {
  "c2jName": "ValidUntil",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>
@param validUntil The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName": "withValidUntil",
  "getterDocumentation": "<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>
@return The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.
*/",
  "getterMethodName": "getValidUntil",
  "getterModel": {
    "returnType": "java.util.Date",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ValidUntil",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "validUntil",
    "uri": false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidUntil",
"setterDocumentation" : "/**<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>
@param validUntil The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.*/",
"setterMethodName" : "setValidUntil",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>
@param validUntil The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.Date",
  "documentation" : "<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LaunchGroup",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance launch group. Launch groups are Spot instances that launch together and
terminate together.<p>
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch

together and terminate together.</p>\n@param launchGroup The instance launch group. Launch groups are Spot
instances that launch together and terminate together.</p>\n@return Returns a reference to this object so that method
calls can be chained together.*/",

"fluentSetterMethodName" : "withLaunchGroup",

"getterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch

together and terminate together.</p>
@return The instance launch group. Launch groups are Spot instances that
launch together and terminate together.*/",

"getterMethodName" : "getLaunchGroup",

"getterModel" : {

"returnType" : "String",

"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "LaunchGroup",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "launchGroup",

"uri" : false
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"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "LaunchGroup",

"setterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch

together and terminate together.</p>\n@param launchGroup The instance launch group. Launch groups are Spot
instances that launch together and terminate together.*/",

"setterMethodName" : "setLaunchGroup",

"setterModel" : {

"variableDeclarationType" : "String",

"variableName" : "launchGroup",

"variableType" : "String",

"documentation" : "",

"simpleType" : "String",

"variableSetterType" : "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The instance launch group. Launch groups are Spot instances that
 * launch together and terminate together.\n * @param launchGroup The instance launch group. Launch groups are Spot instances that launch together and terminate together.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "launchGroup",
  "variableType": "String",
  "documentation": "The instance launch group. Launch groups are Spot instances that launch together and terminate together.\n",
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  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "AvailabilityZoneGroup",
"c2jShape": "String",
"deprecated": false,
"documentation": "The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.\n",
"enumType": null,
"fluentSetterDocumentation": "/**\n * The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.\n * @param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAvailabilityZoneGroup",
"getterDocumentation": "/**\n * The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.\n * @return The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.\n */",
"getterMethodName": "getAvailabilityZoneGroup",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
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  "isPayload": false,
  "isStreaming": false,
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  "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZoneGroup",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZoneGroup",
"setterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.*/",
"setterMethodName" : "setAvailabilityZoneGroup",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZoneGroup",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.*/@param
availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.*/@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "LaunchSpecification",
"c2jShape" : "LaunchSpecification",
"deprecated" : false,
"documentation" : "<p>Additional information for launching instances.</p>",
"enumType" : null,
"fluentsetterDocumentation" : "/**<p>Additional information for launching instances.</p>
@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName": "withLaunchSpecification",
"getterDocumentation": "/**<p>Additional information for launching instances.</p>
@return Additional information for launching instances.*/",
"getterMethodName": "getLaunchSpecification",
"getterModel": {
  "returnType": "LaunchSpecification",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
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  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "LaunchSpecification",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "launchSpecification",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "LaunchSpecification",
"setterDocumentation": "/**<p>Additional information for launching instances.</p>
@param launchSpecification Additional information for launching instances.</p>@param
launchSpecification Additional information for launching instances.*/",
"setterMethodName": "setLaunchSpecification",
"setterModel": {
  "variableDeclarationType": "LaunchSpecification",
  "variableName": "launchSpecification",
  "variableType": "LaunchSpecification",
  "documentation": "",
  "simpleType": "LaunchSpecification",
  "variableSetterType": "LaunchSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Additional information for launching instances.</p>@param
launchSpecification Additional information for launching instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "launchSpecification",
  "variableType": "LaunchSpecification",
  "variableSetterType": "LaunchSpecification"}
"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The instance ID, if an instance has been launched to fulfill the Spot instance request.
 */\n@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "The instance ID, if an instance has been launched to fulfill the Spot instance request.\n */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CreateTime",
"c2jShape" : "DateTime",
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"documentation" : "The date and time when the Spot instance request was created, in UTC format (for example, 2012-01-10T19:30:00Z).",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The date and time when the Spot instance request was created, in UTC format (for example, 2012-01-10T19:30:00Z).\n */\n@param createTime The date and time when the Spot instance request was created, in UTC format (for example, 2012-01-10T19:30:00Z).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateTime",
"getterDocumentation" : "The date and time when the Spot instance request was created, in UTC format (for example, 2012-01-10T19:30:00Z).",
"getterMethodName" : "getCreateTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
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"location" : null,
"marshallLocationName" : "CreateTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). </p>
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). </p>
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The product description associated with the Spot instance.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**<p>The product description associated with the Spot instance.</p><param name="productDescription" type="String">The product description associated with the Spot instance.</param><return type="ProductDescription">Returns a reference to this object so that method calls can be chained together.</return>*/",
"getterDocumentation" : "/**<p>The product description associated with the Spot instance.</p><return type="String">The product description associated with the Spot instance.</return>*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productDescription",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The product description associated with the Spot instance.</p><param name="productDescription" type="String">The product description associated with the Spot instance.</param><return type="ProductDescription">Returns a reference to this object so that method calls can be chained together.</return>*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"mapModel": null,
"name": "BlockDurationMinutes",
"setterDocumentation": "<p>The duration for the Spot instance, in minutes.</p>
@param blockDurationMinutes The duration for the Spot instance, in minutes.

"setterMethodName": "setBlockDurationMinutes",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "blockDurationMinutes",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "<p>The duration for the Spot instance, in minutes.</p>
@param blockDurationMinutes The duration for the Spot instance, in minutes.

return Returns a reference to this object so that method calls can be chained together.

"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "blockDurationMinutes",
  "variableType": "Integer",
  "documentation": "<p>The duration for the Spot instance, in minutes.</p>
", "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"c2jName": "ActualBlockHourlyPrice",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>

"enumType": null,
"fluentSetterDocumentation": "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.

return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "withActualBlockHourlyPrice",
"getterDocumentation": "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.

return If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.

"getterMethodName": "getActualBlockHourlyPrice",
"getModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ActualBlockHourlyPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "actualBlockHourlyPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ActualBlockHourlyPrice",
"setterDocumentation" : /**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>
@param actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>*/",
"setterMethodName" : "setActualBlockHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "actualBlockHourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>
@param actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>*/
"@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "actualBlockHourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
}.
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * Any tags assigned to the resource.<p>
   * @param tags Any tags assigned to the resource
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**
   * Any tags assigned to the resource.<p>
   * @return Any tags assigned to the resource.
   */",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatflattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n   * param member \n   * @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n   * @return */",
      "getterMethodName" : "getMember",
    },
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null}
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/\n@NOTE: \nThis method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.\n@param tags Any tags assigned to the resource\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.\n\pAny tags assigned to the resource."
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LaunchedAvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The Availability Zone in which the bid is launched.\n\pThe Availability Zone in which the bid is launched.\n@return Returns a reference to this.

object so that method calls can be chained together.*/",
"setterMethodName" : "setLaunchedAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "<p>The Availability Zone in which the bid is launched.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
"ActualBlockHourlyPrice" : {
"c2jName" : "ActualBlockHourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>
*param actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withActualBlockHourlyPrice",
"getterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>
@return If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.*/",
"getterMethodName" : "getActualBlockHourlyPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ActualBlockHourlyPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "actualBlockHourlyPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "ActualBlockHourlyPrice",
"setterDocumentation": "/** <p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.\n* @param actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs. */
*/",
"setterMethodName": "setActualBlockHourlyPrice",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "actualBlockHourlyPrice",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/** <p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.\n* @param actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.\n* @return Returns a reference to this object so that method calls can be chained together. */
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "actualBlockHourlyPrice",
  "variableType": "String",
  "documentation": "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"AvailabilityZoneGroup": {
  "c2jName": "AvailabilityZoneGroup",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/** <p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>\n* @param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.\n* @return Returns a reference to this object so that method calls can be chained together. */
*/",
  "fluentSetterMethodName": "withAvailabilityZoneGroup",
  "getterDocumentation": "/** <p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>\n* @return The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone. */
*/"
instances are launched in the same Availability Zone.*"/
getterMethodName" : "getAvailabilityZoneGroup",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZoneGroup",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZoneGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZoneGroup",
"setterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>*/
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.*/
setterMethodName" : "setAvailabilityZoneGroup",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZoneGroup",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>*/
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.*/
@returns Returns a reference to this object so that method calls can be chained together.*"/
"variable" : {
  "variableDeclarationType" : "String",""
"variableName" : "availabilityZoneGroup",
"variableType" : "String",
"documentation" : "The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"BlockDurationMinutes" : {
"c2jName" : "BlockDurationMinutes",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The duration for the Spot instance, in minutes.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "The duration for the Spot instance, in minutes.\n\n@return The duration for the Spot instance, in minutes.*/",
"getterDocumentation" : "The duration for the Spot instance, in minutes.\n\n@return The duration for the Spot instance, in minutes.*/",
"getterMethodName" : "getBlockDurationMinutes",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDurationMinutes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDurationMinutes",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BlockDurationMinutes",
"setterDocumentation" : "The duration for the Spot instance, in minutes.\n\n@return The duration for the Spot instance, in minutes.*/"
blockDurationMinutes The duration for the Spot instance, in minutes.*/
"setterMethodName" : "setBlockDurationMinutes",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "**\n\n@param blockDurationMinutes The duration for the Spot instance, in minutes.\n\n@return Returns a reference to this object so that method calls can be chained together.**/
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The duration for the Spot instance, in minutes."
},
"xmlNameSpaceUri" : null
},
"CreateTime" : {
  "c2jName" : "CreateTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).",
  "enumType" : null,
  "fluentSetterDocumentation" : "The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@return Returns a reference to this object so that method calls can be chained together.**",
  "fluentSetterMethodName" : "withCreateTime",
  "getterDocumentation" : "The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@return The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).**",
  "getterMethodName" : "getCreateTime",
  "getterModel" : {
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    "documentation" : null
  }
},
"http" : {
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createTime",
"uri" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
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    "variableName" : "createTime",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "setCreateTime",
"varargSetterModel" : {
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    "variableName" : "createTime",
    "variableType" : "java.util.Date",
    "documentation" : "The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
"Fault" : {
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    "c2jShape" : "SpotInstanceStateFault",
    "deprecated" : false,
    "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*@\n@param fault The fault codes for the Spot instance request, if any.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withFault",
    "getterDocumentation" : "/*@\n@param fault The fault codes for the Spot instance request, if any.\n@return The fault codes for the Spot instance request, if any.*/",
    "getterMethodName" : "getFault",
    "getterModel" : {
        "returnType" : "SpotInstanceStateFault",
        "documentation" : null
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        "greedy" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "fault",
        "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Fault",
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    "setterModel" : {
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        "variableName" : "fault",
        "variableType" : "SpotInstanceStateFault",
        "documentation" : "",
        "simpleType" : "SpotInstanceStateFault"
    }
}
"variableSetterType" : "SpotInstanceStateFault",
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "fault",
  "variableType" : "SpotInstanceStateFault",
  "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>
  @param fault The fault codes for the Spot instance request, if any.
  @return Returns a reference to this object so that method calls can be chained together.
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>
  @param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.
  @return Returns a reference to this object so that method calls can be chained together.
},
"fluentSetterDocumentation" : "/** <p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>
  @param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.
  @return Returns a reference to this object so that method calls can be chained together.
},
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/** <p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>
  @return The instance ID, if an instance has been launched to fulfill the Spot instance request.
},
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
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"mapModel" : null,
"name" : "InstanceId",
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"setterMethodName" : "setInstanceId",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>
@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>
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"LaunchGroup" : {
"c2jName" : "LaunchGroup",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.</p>"
},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.</p>
@param launchGroupId The instance launch group. Launch groups are Spot instances that launch together and terminate together.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLaunchGroupId",
"getterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.</p>
@return The instance launch group. Launch groups are Spot instances that..."
launch together and terminate together.*/",
  
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    "documentation" : null
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  "http" : {
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "LaunchGroup",
  "setterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p>
@param launchGroup The instance launch group. Launch groups are Spot
instances that launch together and terminate together.</p>
@return Returns a reference to this object so that
method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p>
@param launchGroup The instance launch group. Launch groups are Spot
instances that launch together and terminate together.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"LaunchSpecification": {
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"enumType": null,
"fluentSetterDocumentation": "<p>Additional information for launching instances.</p>
@param launchSpecification Additional information for launching instances.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation": "<p>Additional information for launching instances.</p>
@return Additional information for launching instances.
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"mapModel": null,
"name": "LaunchSpecification",
"setterDocumentation": "<p>Additional information for launching instances.</p>
@param launchSpecification Additional information for launching instances.
@return Returns a reference to this object so that method calls can be chained together.
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  "variableSetterType": "LaunchSpecification"
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"varargSetterDocumentation": "\n**@param\nlaunchSpecification Additional information for launching instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "Additional information for launching instances.\n",
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"LaunchedAvailabilityZone": {
  "c2jName": "LaunchedAvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The Availability Zone in which the bid is launched.\n",
  "enumType": null,
  "fluentSetterDocumentation": "\n**@param\nlaunchedAvailabilityZone The Availability Zone in which the bid is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withLaunchedAvailabilityZone",
  "getterDocumentation": "\n**@return The Availability Zone in which the bid is launched.*/",
  "getterMethodName": "getLaunchedAvailabilityZone",
  "getterModel": {
    "returnType": "String",
    "documentation": null
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchedAvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
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"setterMethodName" : "setLaunchedAvailabilityZone",
"setterModel" : {
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  "variableName" : "launchedAvailabilityZone",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the bid is launched.</p>
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"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The Availability Zone in which the bid is launched.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"ProductDescription" : {
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  "c2jShape" : "RIProductDescription",
  "deprecated" : false,
  "documentation" : "<p>The product description associated with the Spot instance.</p>",
  "enumType" : "RIProductDescription",
  "fluentSetterDocumentation" : "/**<p>The product description associated with the Spot instance.</p>
@param productDescription The product description associated with the Spot instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription*/",
  "fluentSetterMethodName" : "withProductDescription",
  "getterDocumentation" : "/**<p>The product description associated with the Spot instance.</p>
@return The
product description associated with the Spot instance.\n@ see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
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   "documentation" : null
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   "statusCode" : false,
   "unmarshallLocationName" : "productDescription",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/*<p>The product description associated with the Spot instance.</p>
@ see RIProductDescription*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
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   "variableType" : "String",
   "documentation" : "",
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   "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/*<p>The product description associated with the Spot instance.</p>
@ see RIProductDescription*/",
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   "variableSetterType" : "String"
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n@param
spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "spotInstanceRequestId",
  "variableType" : "String",
  "documentation" : "The ID of the Spot instance request.\nparam
spotInstanceRequestId The ID of the Spot instance request.\nreturn\nThe ID of the Spot instance request.\nreturns Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotPrice" : {
  "c2jName" : "SpotPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The maximum hourly price (bid) for the Spot instance launched to fulfill the request.\nparam
spotInstanceRequestId The ID of the Spot instance request.\nreturn\nThe maximum hourly price (bid) for the Spot instance launched to fulfill the request.\nreturns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/*\n*/\n@param
spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotPrice",
  "getterDocumentation" : "/*\n*/\n@return The maximum hourly price (bid) for the Spot instance launched to fulfill the request.\nreturn\nThe maximum hourly price (bid) for the Spot instance launched to fulfill the request.*/",
  "getterMethodName" : "getSpotPrice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotPrice",
"uri" : false
],
"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "The maximum hourly price (bid) for the Spot instance launched to fulfill the request.

@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.

@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "spotPrice",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The maximum hourly price (bid) for the Spot instance launched to fulfill the request.

@returns Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotPrice",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"State" : {
"c2jName" : "State",
"c2jShape" : "SpotInstanceState",
"deprecated" : false,
"documentation" : "The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see Spot Bid Status.

In the Amazon Elastic Compute Cloud User Guide.

"enumType" : "SpotInstanceState",
"fluentSetterDocumentation" : "The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see Spot Bid Status.
",
"name" : "SpotPrice",
"setterDocumentation" : "The maximum hourly price (bid) for the Spot instance launched to fulfill the request.

@returns Returns a reference to this object so that method calls can be chained together.
"}
Spot bid status information can help you track your Spot instance requests. For more information, see Spot Bid Status in the Amazon Elastic Compute Cloud User Guide.

```
**setterDocumentation** : "setState",
"setterMethodName" : "withState",
"http" : {  
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  "additionalUnmarshallingPath" : null,  
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "**p&gt;The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see Spot Bid Status in the Amazon Elastic Compute Cloud User Guide.&lt;/p&gt;

@see SpotInstanceState*/",
```

```
**getterDocumentation** : "**p&gt;The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see Spot Bid Status in the Amazon Elastic Compute Cloud User Guide.&lt;/p&gt;

@return The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see Spot Bid Status in the Amazon Elastic Compute Cloud User Guide.

@see SpotInstanceState*/",
```

**setterMethodName** : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
http : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "state",
  "uri" : false
}
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    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
@param state The state of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Status" : {
    "c2jName" : "Status",
    "c2jShape" : "SpotInstanceStatus",
    "deprecated" : false,
    "documentation" : "<p>The status code and status message describing the Spot instance request. */</p>
@param status The status code and status message describing the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/*<p>The status code and status message describing the Spot instance request. */
@return The status code and status message describing the Spot instance request. */",
"getterMethodName" : "getStatus",
"getterModel" : {
    "returnType" : "SpotInstanceStatus",
    "documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status code and status message describing the Spot instance request.</p>
@param status The status code and status message describing the Spot instance request.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "SpotInstanceStatus",
  "variableName" : "status",
  "variableType" : "SpotInstanceStatus",
  "documentation" : "",
  "simpleType" : "SpotInstanceStatus",
  "variableSetterType" : "SpotInstanceStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The status code and status message describing the Spot instance request.</p>
@param status The status code and status message describing the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotInstanceStatus",
  "variableName" : "status",
  "variableType" : "SpotInstanceStatus",
  "documentation" : "<p>The status code and status message describing the Spot instance request.</p>",
  "simpleType" : "SpotInstanceStatus",
  "variableSetterType" : "SpotInstanceStatus"
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"xmlnsNameSpaceUri" : null
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"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList"}
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"enumType" : null,
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@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@return Any tags assigned to the resource. */",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>@param member @n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**<p@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    }
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
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"simple" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
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",
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@param tags Any tags assigned to
the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@NOTE:<b>NB</b> This
method appends the values to the existing list (if any). Use [@link setTags(java.util.Collection)] or [@link
withTags(java.util.Collection)] if you want to override the existing values.</p>
 On param tags Any tags assigned
to the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
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    "variableType" : "java.util.List<Tag>",
    "documentation" : "Any tags assigned to the resource.
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    "xmlNameSpaceUri" : null
  },
  "Type" : {
    "c2jName" : "Type",
    "c2jShape" : "SpotInstanceType",
    "deprecated" : false,
    "documentation" : "The Spot instance request type.
    @see SpotInstanceType*/",
    "enumType" : "SpotInstanceType",
    "fluentSetterDocumentation" : "/**<p>The Spot instance request type.</p>
    @param type The Spot instance
    request type.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withType",
    "simpleType" : "SpotInstanceType",
    "varargSetterDocumentation" : "/**<p>The Spot instance request type.
    @param type The Spot instance
    request type.
    @return Returns a reference to this object so that method calls can be chained together.*/"
  }
}
"getterDocumentation": "/**\pnThe Spot instance request type.\n@returns The Spot instance request type.\n@see SpotInstanceType*/",
"getterMethodName": "getType",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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"mapModel": null,
"name": "Type",
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  "variableName": "type",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
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"variable": {
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  "variableName": "type",
  "variableType": "String",
  "documentation": "<p>The Spot instance request type.</p>"
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"variableSetterType" : "String",
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"ValidFrom" : {
"c2jName" : "ValidFrom",
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"deprecated" : false,
"documentation" : "The start date of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). The request becomes active at this date and time.",
"enumType" : null,
"fluentSetterDocumentation" : "The start date of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). The request becomes active at this date and time.
@param validFrom The start date of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). The request becomes active at this date and time.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "withValidFrom",
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@return The start date of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). The request becomes active at this date and time.",
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validFrom",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "/**
 * The start date of the request, in UTC format (for example, <i>YYYY</i>-
 <i>MM</i>-<i>DD</i>|<i>T</i>|HH<i>:MM</i>|SS<i>/Z</i>). The request becomes active at this date and
time.
 */
 @param validFrom The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>|<i>T</i>|HH<i>:MM</i>|SS<i>/Z</i>). The request becomes active at this date and
time. */",
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"setterModel" : {
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 "variableType" : "java.util.Date",
 "documentation" : "",
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**
 * The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>|<i>T</i>|HH<i>:MM</i>|SS<i>/Z</i>). The request becomes active at this date and
time. ln@return Returns a reference to this object so that method calls can be chained together. */",
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 "variableName" : "validFrom",
 "variableType" : "java.util.Date",
 "documentation" : "The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>|<i>T</i>|HH<i>:MM</i>|SS<i>/Z</i>). The request becomes active at this date and
time. */
 "variableSetterType" : "java.util.Date"
},

"ValidUntil" : {
 "c2jName" : "ValidUntil",
 "c2jShape" : "DateTime",
 "deprecated" : false,
 "documentation" : "The end date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>|<i>T</i>|HH<i>:MM</i>|SS<i>/Z</i>). If this is a one-time request, it remains active until all instances
launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is
canceled or this date is reached. */
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
 * The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>|<i>T</i>|HH<i>:MM</i>|SS<i>/Z</i>). If this is a one-time request, it remains active until all instances
launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is
canceled or this date is reached. */
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null}
request is persistent, it remains active until it is canceled or this date is reached.

@Retention(RETENTION.RUNTIME)
@Target(TARGET.METHOD)
The end date of the request, in UTC format (for example, yyyy-mm-ddThh:mm:ssZ). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.

```java
public SpotInstanceRequest withValidUntil(Date validUntil) {
    // implementation
    return this;
}
```

The end date of the request, in UTC format (for example, yyyy-mm-ddThh:mm:ssZ). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.

```java
public SpotInstanceState withValidUntil(Date validUntil) {
    // implementation
    return this;
}
```

The end date of the request, in UTC format (for example, yyyy-mm-ddThh:mm:ssZ). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.

```java
public SpotInstanceState withValidUntil(Date validUntil) {
    // implementation
    return this;
}
```
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false)
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  "value" : "open"
}, {
  "name" : "Active",
  "value" : "active"
}, {
  "name" : "Closed",
  "value" : "closed"
}, {
  "name" : "Cancelled",
  "value" : "cancelled"
}, {
  "name" : "Failed",
  "value" : "failed"
} ],
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableSetterType" : "SpotInstanceState"
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"wrapper" : false
"SpotInstanceStateFault" : {
  "c2jName" : "SpotInstanceStateFault",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a Spot instance state change.</p>",
  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    {
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      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The reason code for the Spot instance state change.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>*/
       \n       @param code Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withCode",
      "getterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>*/
       \n       @return The reason code for the Spot instance state change.*/",
      "getterMethodName" : "getCode",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "code",
    },
  ]
},
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
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@param code The reason code for the Spot instance state change.*/",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>
@param code The reason code for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The reason code for the Spot instance state change.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Message",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The message for the Spot instance state change.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "/**<p>The message for the Spot instance state change.</p>
@return The message for the Spot instance state change.*/",
"getterMethodName" : "getMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  10019

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```
"Code" : {
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    "c2jShape" : "String",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>
@param code
The reason code for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCode",
    "getterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>
@return The reason code for the Spot instance state change.*/",
    "getterMethodName" : "getCode",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
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        "marshallLocationName" : "Code",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "code",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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@param code
The reason code for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableName" : "code",
        "variableType" : "String",
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        "variableSetterType" : "String"}
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"varargSetterDocumentation" : "/**\n * The reason code for the Spot instance state change.
 * @param code The reason code for the Spot instance state change.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "code",
  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Message" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The message for the Spot instance state change.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The message for the Spot instance state change.</p>\n @param message The message for the Spot instance state change.\n @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMessage",
  "getMethodDocumentation" : "/**<p>The message for the Spot instance state change.</p>\n @return The message for the Spot instance state change.*/",
  "getModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Message",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "message",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "message",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "message",
"variableType" : "String",
"documentation" : "<p>The message for the Spot instance state change.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "SpotInstanceStateFault",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "SpotInstanceStateFault",
"variableName" : "spotInstanceStateFault",
"variableType" : "SpotInstanceStateFault",
"documentation" : null,
"simpleType" : "SpotInstanceStateFault",
"variableSetterType" : "SpotInstanceStateFault"
},
"wrapper" : false
"SpotInstanceStatus": {
  "c2jName": "SpotInstanceStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "Describes the status of a Spot instance request."
},
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "Code",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The status code. For a list of status codes, see Spot Bid Status Codes in the Amazon Elastic Compute Cloud User Guide.",
    "enumType": null,
    "fluentSetterDocumentation": "/** The status code. For a list of status codes, see Spot Bid Status Codes in the Amazon Elastic Compute Cloud User Guide */
    "fluentSetterMethodName": "withCode",
    "getterDocumentation": "/** The status code. For a list of status codes, see Spot Bid Status Codes in the Amazon Elastic Compute Cloud User Guide */
    "getterMethodName": "getCode",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null
    }
  }
},
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Code",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "code",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Code",
"setterDocumentation": "/\*\*\p>The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand">Spot Bid Status Codes</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@param code The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand">Spot Bid Status Codes</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.*/",
"setterMethodName": "setCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/\*\*\p>The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand">Spot Bid Status Codes</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "&lt;p&gt;The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand">Spot Bid Status Codes</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "simple": false,
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Code",
  "riminator": "",
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/\*\*\p>The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand">Spot Bid Status Codes</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "&lt;p&gt;The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand">Spot Bid Status Codes</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "simple": false,
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "UpdateTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).",
"enumType": null,
"fluentSetterDocumentation": /** The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
*param updateTime The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
*return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUpdateTime",
"getterDocumentation": /** The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
*return The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).*/",
"getterMethodName": "getUpdateTime",
"getterModel": {
 "returnType": "java.util.Date",
 "documentation": null
 },
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "UpdateTime",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "updateTime",
 "uri": false
 },
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UpdateTime",
"setterDocumentation": /** The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).*/
example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).

```java
@Param
updateTime The date and time of the most recent status update, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).

"setterMethodName" : "setUpdateTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for
example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).

@param updateTime The date and time of the most recent status update, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The date and time of the most recent status update, in UTC format (for example,
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z)."
},
"xmlNameSpaceUri" : null,
"c2jName" : "Message",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The description for the status code.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The description for the status code.</p>
@param message The description for the status code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "/**<p>The description for the status code.</p>
@<param The description for the status code.
@return The description for the status code.*/",
"getterMethodName" : "getMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
}
```
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Message",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "message",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Message",
"setterDocumentation": "/**
   * The description for the status code.
   * @param message The description for the status code.
   */",
"setterMethodName": "setMessage",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "message",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
   * The description for the status code.
   * @param message The description for the status code.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
"variable": {
   "variableDeclarationType": "String",
   "variableName": "message",
   "variableType": "String",
   "documentation": "<p>The description for the status code.</p>",
   "simpleType": "String",
   "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}

"membersAsMap": {
  "Code": {
    "c2jName": "Code",
    "c2jShape": "String",
    "deprecated": false,
"documentation": ":"<p>The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand"&gt;Spot Bid Status Codes&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",

"enumType": null,

"fluentSetterDocumentation": ":"/**<p>The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand"&gt;Spot Bid Status Codes&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@param code The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand"&gt;Spot Bid Status Codes&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName": "withCode",

"getterDocumentation": ":"/**<p>The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand"&gt;Spot Bid Status Codes&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand"&gt;Spot Bid Status Codes&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName": "getCode",

"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Code",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "code",
"uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "Code",

"setterDocumentation": ":"/**<p>The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand"&gt;Spot Bid Status Codes&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@param code The status code. For a list of status codes, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand"&gt;Spot Bid Status Codes&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName": "withCode",

"setterModel": {
"returnType": null,
"documentation": null
},

"statusCodes": [],

"type": "code",

"uri": null
}
The status code. For a list of status codes, see [Spot Bid Status Codes](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand) in the *Amazon Elastic Compute Cloud User Guide*. Returns a reference to this object so that method calls can be chained together.

```java
public String getCode()
{
    return code;
}
```

```java
public void setCode(String code)
{
    this.code = code;
}
```

The description for the status code. Returns a reference to this object so that method calls can be chained together.

```java
public String getMessage()
{
    return message;
}
```

```java
public void setMessage(String message)
{
    this.message = message;
}
```


```java
public String getStatus()
{
    return status;
}
```

```java
public void setStatus(String status)
{
    this.status = status;
}
```

The description for the status code.

```java
public String getMessage()
{
    return message;
}
```

```java
public void setMessage(String message)
{
    this.message = message;
}
```
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Message",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "message",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Message",
"setterDocumentation": "/**<p>The description for the status code.</p>
@param message The description for the status code.*/",
"setterMethodName": "setMessage",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "message",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The description for the status code.</p>
@param message The description for the status code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "message",
  "variableType": "String",
  "documentation": "<p>The description for the status code.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UpdateTime": {
  "c2jName": "UpdateTime",
  "isPayload": false,
  "isStreaming": false,
  "marshallLocationName": "Message",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "message",
  "uri": false
}
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date and time of the most recent status update, in UTC format (for example,
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>)</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for
example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).\n@returns A reference to this object so that
method calls can be chained together.*/\n*/
@param updateTime The date and time of the most recent status update, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withUpdateTime",
"getterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for
example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).\n@return The date
and time of the most recent status update, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).*/\n",
"getterMethodName" : "getUpdateTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UpdateTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "updateTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpdateTime",
"setterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for
example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).\n@returns A reference to this object so that
method calls can be chained together.*/\n*/
@param updateTime The date and time of the most recent status update, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).*/\n",
"setterMethodName" : "setUpdateTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",}
"variableName": "updateTime",
"variableType": "java.util.Date",
"documentation": "",
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).</p>
@param updateTime The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "updateTime",
  "variableType": "java.util.Date",
  "documentation": "The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},

"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "SpotInstanceStatus",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},

"wrapper": false
},

"SpotInstanceType": {
  "c2jName": "SpotInstanceType",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "",
"enums" : [ {
  "name" : "OneTime",
  "value" : "one-time"
}, {
  "name" : "Persistent",
  "value" : "persistent"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotInstanceType",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "SpotInstanceType",
  "variableName" : "spotInstanceType",
  "variableType" : "SpotInstanceType",
  "documentation" : null,
  "simpleType" : "SpotInstanceType",
  "variableSetterType" : "SpotInstanceType"
},
"wrapper" : false
},
"SpotPlacement" : { 
  "c2jName" : "SpotPlacement",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes Spot instance placement.</p>",
  "enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone.  
  [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone.  
  [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p>
  @param availabilityZone The Availability Zone.  
  [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAvailabilityZone",
  "getterDocumentation" : "/**<p>The Availability Zone.  
  [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p>
  @return The Availability Zone.  
  [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".*/",
  "getterMethodName" : "getAvailabilityZone",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AvailabilityZone",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "availabilityZone",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
}
"name" : "AvailabilityZone",
"setterDocumentation" : "/**\n * The Availability Zone.
 * [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".
 */
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The Availability Zone.
 * [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".
 */
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "The Availability Zone.
[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The name of the placement group (for cluster instances).
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The name of the placement group (for cluster instances).
 */
@param groupName The name of the placement group (for cluster instances).
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**\n * The name of the placement group (for cluster instances).
 */
@return The name of the placement group (for cluster instances).
*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@param
groupName The name of the placement group (for cluster instances).*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@param
groupName The name of the placement group (for cluster instances).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "The name of the placement group (for cluster instances).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Tenancy",
  "c2jShape" : "Tenancy",
  "deprecated" : false,
The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `dedicated` runs on single-tenant hardware. The `host` tenancy is not supported for Spot instances.

```java
@ GPI spec: class Tenancy {

  public String getTenancy();

  public void setTenancy(String tenancy);

  // Other methods...
}
```

The `getTenancy` method returns the tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `dedicated` runs on single-tenant hardware. The `host` tenancy is not supported for Spot instances.

```java
     @return The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `dedicated` runs on single-tenant hardware. The `host` tenancy is not supported for Spot instances.
```

The `setTenancy` method sets the tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `dedicated` runs on single-tenant hardware. The `host` tenancy is not supported for Spot instances.

```java
     @param tenancy the tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `dedicated` runs on single-tenant hardware. The `host` tenancy is not supported for Spot instances.
```

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "tenancy",
  "variableType": "String",
  "documentation": 

  "simple": true,
  "varargSetterDocumentation": "/**<p>The tenancy of the instance (if the instance is running in a VPC). An 
instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> 
tenancy is not supported for Spot instances.<p@param tenancy The tenancy of the instance (if the instance is 
runtime in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The 
<code>host</code> tenancy is not supported for Spot instances.<p@return Returns a reference to this object so that 
method calls can be chained together.<p@see Tenancy*/

  "variable": {
    "variableDeclarationType": "String",
    "variableName": "tenancy",
    "variableType": "String",
    "documentation": 

    "simple": true,
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>The tenancy of the instance (if the instance is running in a VPC). An 
instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> 
tenancy is not supported for Spot instances.<p@param tenancy The tenancy of the instance (if the instance is 
runtime in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The 
<code>host</code> tenancy is not supported for Spot instances.<p@return Returns a reference to this object so that 
method calls can be chained together.<p@see Tenancy*/

  "variable": {
    "variableDeclarationType": "String",
    "variableName": "tenancy",
    "variableType": "String",
    "documentation": 

    "simple": true,
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
"membersAsMap": {
  "AvailabilityZone": {
    "c2jName": "AvailabilityZone",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": 

  "xmlNameSpaceUri": null
  }},
  "membersAsMap": {
  "AvailabilityZone": {
    "c2jName": "AvailabilityZone",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": 

  "xmlNameSpaceUri": null
  },
  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
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"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
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  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": 

  "xmlNameSpaceUri": null
}
**AvailabilityZone**

- **Availability Zone**
  - [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".

- **setterDocumentation**
  - "<p>The Availability Zone.</p>  
    - [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".

- **setterMethodName**
  - "$ availabilityZone The Availability Zone."  
    - [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".

- **setterModel**
  - {
    "variableDeclarationType" : "String",
    "variableName" : "availabilityZone",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }  
  - true

- **varargSetterDocumentation**
  - "<p>The Availability Zone.</p>  
    - [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".

- **variable**
  - {
    "variableDeclarationType" : "String",
    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "",
  }  
  - "<p>The Availability Zone.</p>  
    - [Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b"."
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the placement group (for cluster instances).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@param
groupName The name of the placement group (for cluster instances).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@return The name of the placement group (for cluster instances).*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@param
groupName The name of the placement group (for cluster instances).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 <p>The name of the placement group (for cluster instances).
 */
 @param groupName The name of the placement group (for cluster instances)
 @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "The name of the placement group (for cluster instances).",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tenancy" : {
"c2jName" : "Tenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The tenancy of host tenancy is not supported for Spot instances.

 @param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The tenancy of host tenancy is not supported for Spot instances.
 @return Returns a reference to this object so that method calls can be chained together.
 @see Tenancy*/",
"fluentSetterMethodName" : "withTenancy",
"getterDocumentation" : "/**
 <p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The tenancy of host tenancy is not supported for Spot instances.
 */
 @return The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The tenancy of host tenancy is not supported for Spot instances.
 @see Tenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tenancy",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Tenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>
@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"setterMethodName" : "setTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "tenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>
@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "tenancy",
  "variableType" : "String",
  "documentation" : "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
"SpotPrice" : {
  "c2jName" : "SpotPrice",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes the maximum hourly price (bid) for any Spot instance launched to fulfill the request.\</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "InstanceType",
      "c2jShape" : "InstanceType",
      "deprecated" : false,
      "documentation" : "The instance type. Note that T2 and HS1 instance types are not supported.\</p>",
      "enumType" : "InstanceType",
      "fluentSetterDocumentation" : "/*\</p>\n@\</p>param\</p> instanceType The instance type. Note that T2 and HS1 instance types are not supported.\</p>*/
  },
supported.

@see InstanceType*/

"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>\n@return The instance type. Note that T2 and HS1 instance types are not supported.\n@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceType",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "instanceType",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>\n@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.\n@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceType",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>\n@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.\n@see
InstanceType*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>A general description of the AMI.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**<p>A general description of the AMI.</p>
@param productDescription A general description of the AMI.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/**<p>A general description of the AMI.</p>
@return A general description of the AMI.
@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductDescription",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "productDescription",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription"
**Setter Documentation**:

The maximum price (bid) that you are willing to pay for a Spot instance.

```java
public void setSpotPrice(String spotPrice) {
    this.spotPrice = spotPrice;
}
```

**Vararg Setter Documentation**:

The maximum price (bid) that you are willing to pay for a Spot instance.

```java
public void setSpotPrice(String... spotPrices) {
    this.spotPrice = Arrays.asList(spotPrices);
}
```

**Simple**

```java
public String getSpotPrice() {
    return spotPrice;
}
```

**Xml Namespace Uri**

```java
public String getSpotPrice() {
    return spotPrice;
}
```

**Example**

```java
SpotPrice spotPrice = new SpotPrice();
spotPrice.setSpotPrice("1.23");
```

**Additional Information**

- **documentation**: The maximum price (bid) that you are willing to pay for a Spot instance.
- **simpleType**: String
- **variableSetterType**: String
- **variableDeclarationType**: String
- **variableName**: spotPrice
- **variableType**: String

---

**Timestamp**

**c2j Name**: Timestamp

**c2j Shape**: DateTime

**deprecated**

```java
public Timestamp getTimestamp() {
    return timestamp;
}
```

**Fluent Setter Documentation**:

The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:mm:ss).

```java
public void setTimestamp(java.util.Date timestamp) {
    this.timestamp = timestamp;
}
```

**documentation**: The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:mm:ss).

```java
public java.util.Date getTimestamp() {
    return timestamp;
}
```

**Example**

```java
Timestamp timestamp = new Timestamp();
timestamp.setTimestamp(new java.util.Date());
```
@Param timestamp

The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:MM:SS).

@return The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:MM:SS).

@ReturnType java.util.Date

**setterMethodName** : "setTimestamp",

**setterModel** : {

"variableDeclarationType" : "java.util.Date",
"variableName" : "timestamp",
"variableType" : "java.util.Date",
"documentation" : ".",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
}

"simple" : true,

"varargSetterDocumentation" : "/** <p>The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:MM:SS).</p> 

@return The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:MM:SS).*/

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Timestamp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "timestamp",
"uri" : false
}

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Timestamp",

"setterDocumentation" : "/** <p>The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:MM:SS).</p> 

@return The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:MM:SS).*/

"setterMethodName" : "getTimestamp",

"setterModel" : {

"variableDeclarationType" : "java.util.Date",
"variableName" : "timestamp",
"variableType" : "java.util.Date",
"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
<i>YYYY</i>-<i>MM</i>-<i-DD</i>-<i>HH</i>:<i-MM</i>-<i>SS</i>-<i-Z</i>).\n@param timestamp The date and time the request was created, in UTC format (for example, \n@YYYY-MM-DD HH:MM:SSZ).

```java
@<param timestamp The date
and time the request was created, in UTC format (for example, 
@YYYY-MM-DD HH:MM:SSZ).
```

```java
public String getAvailabilityZone() {
    return availabilityZone;
}
```

```java
public void setAvailabilityZone(String availabilityZone) {
    this.availabilityZone = availabilityZone;
}
```

```java
http:
```

```java
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "AvailabilityZone",
"setterDocumentation": "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.</p>*/",
"setterMethodName": "setAvailabilityZone",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "availabilityZone",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "availabilityZone",
"variableType": "String",
"documentation": "<p>The Availability Zone.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"AvailabilityZone": {
"c2jName": "AvailabilityZone",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Availability Zone.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAvailabilityZone",
"getterDocumentation": "/**<p>The Availability Zone.</p>
@return The Availability Zone.</p>*/",
"getterMethodName": "getAvailabilityZone",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**\n * The Availability Zone.
 * @param availabilityZone The Availability Zone.
 */",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The Availability Zone.
 * @param availabilityZone The Availability Zone.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "The Availability Zone.
  @param availabilityZone The Availability Zone.
  @return Returns a reference to this object so that method calls can be chained together.
  @see",
  "xmlNameSpaceUri" : null
},
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "The instance type. Note that T2 and HS1 instance types are not supported.
  @param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
  @return Returns a reference to this object so that method calls can be chained together.
  @see",
  "enumType" : "InstanceType",
  "fluentSetterDocumentation" : "/**\n * The instance type. Note that T2 and HS1 instance types are not supported.
 * @param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see

InstanceType*/", 
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>\n@return The instance type. Note that T2 and HS1 instance types are not supported.\n@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>\n@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.\n@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>\n@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ProductDescription" : {
  "c2jName" : "ProductDescription",
  "c2jShape" : "RIProductDescription",
  "deprecated" : false,
  "documentation" : "<p>A general description of the AMI.</p>",
  "enumType" : "RIProductDescription",
  "fluentSetterDocumentation" : "/**<p>A general description of the AMI.</p>
  @param productDescription A general description of the AMI.
  @return Returns a reference to this object so that method calls can be chained together.
  @see RIProductDescription*/",
  "fluentSetterMethodName" : "withProductDescription",
  "getterDocumentation" : "/**<p>A general description of the AMI.</p>
  @return A general description of the AMI.
  @see RIProductDescription*/",
  "getterMethodName" : "getProductDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductDescription",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "productDescription",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ProductDescription"
"setterDocumentation" : "/**<p>A general description of the AMI.</p>
@param productDescription A general description of the AMI.
@see RIProductDescription*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A general description of the AMI.</p>
@param productDescription A general description of the AMI.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "<p>A general description of the AMI.</p>
"simpleType" : "String",
  "variableSetterType" : "String",
},
"xmlNameSpaceUri" : null,
},
"SpotPrice" : {
  "c2jName" : "SpotPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The maximum price (bid) that you are willing to pay for a Spot instance.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum price (bid) that you are willing to pay for a Spot instance.</p>
@param spotPrice The maximum price (bid) that you are willing to pay for a Spot instance.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotPrice*/",
  "fluentSetterMethodName" : "withSpotPrice",
  "getterDocumentation" : "/**<p>The maximum price (bid) that you are willing to pay for a Spot instance.</p>
@return The maximum price (bid) that you are willing to pay for a Spot instance.
@see SpotPrice*/",
  "getterMethodName" : "getSpotPrice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**\n<p>The maximum price (bid) that you are willing to pay for a Spot instance.</p>
@param spotPrice The maximum price (bid) that you are willing to pay for a Spot instance.*\n*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "spotPrice",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The maximum price (bid) that you are willing to pay for a Spot instance.</p>
@param spotPrice The maximum price (bid) that you are willing to pay for a Spot instance.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotPrice",
"variableType" : "String",
"documentation" : "The maximum price (bid) that you are willing to pay for a Spot instance.
"\n","simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Timestamp" : {
"c2jName" : "Timestamp",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The date and time the request was created, in UTC format (for example, 2006-02-15T19:20:32Z).
","enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The date and time the request was created, in UTC format (for}
The date and time the request was created, in UTC format (for example, `<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z`).

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withTimestamp",
"getterDocumentation" : "/**<p>The date and time the request was created, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@return The date and time the request was created, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). */",
"getterMethodName" : "getTimestamp",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Timestamp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "timestamp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Timestamp",
"setterDocumentation" : "/**<p>The date and time the request was created, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param timestamp The date and time the request was created, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). */",
"setterMethodName" : "setTimestamp",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "timestamp",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
}
"varargSetterDocumentation" : "/**<p>The date and time the request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param timestamp
The date and time the request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls
can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "timestamp",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The date and time the request was created, in UTC format (for example,
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotPrice",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotPrice",
  "variableName" : "spotPrice",
  "variableType" : "SpotPrice",
  "documentation" : null,
  "simpleType" : "SpotPrice",
  "variableSetterType" : "SpotPrice"
},
"wrapper" : false
},
"StaleIpPermission" : {
  "c2jName" : "StaleIpPermission",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a stale rule in a security group.</p>",
  "enums" : null,
  "errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  
  "c2jName" : "FromPort",
  "c2jShape" : "Integer",
  "deprecated" : false,

  "documentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. \</p>",

  "enumType" : null,

  "fluentSetterDocumentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. \nreturns Returns a reference to this object so that method calls can be chained together.\*/",

  "fluentSetterMethodName" : "withFromPort",

  "getterDocumentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. \n\returns The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.\*/",

  "getterMethodName" : "getFromPort",

  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },

  "http" : {
    
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FromPort",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "fromPort",
    "uri" : false
  },

  "idempotencyToken" : false,

  "list" : false,

  "listModel" : null,

  "map" : false,

  "mapModel" : null,

  "name" : "FromPort",

  "setterDocumentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. \n\returns The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.\*/",

  "setterMethodName" : "setFromPort",

  "setterModel" : {
  
  
  }},

  "http" : {
    
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FromPort",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "fromPort",
    "uri" : false
  },

  "idempotencyToken" : false,

  "list" : false,

  "listModel" : null,

  "map" : false,

  "mapModel" : null,

  "name" : "FromPort",

  "setterDocumentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. \n\returns The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.\*/",

  "setterMethodName" : "setFromPort",

  "setterModel" : {
  
  
  }},

  "http" : {
    
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FromPort",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "fromPort",
    "uri" : false
  },

  "idempotencyToken" : false,

  "list" : false,

  "listModel" : null,

  "map" : false,

  "mapModel" : null,

  "name" : "FromPort",

  "setterDocumentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. \n\returns The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.\*/",

  "setterMethodName" : "setFromPort",

  "setterModel" : {
  
  
  }},

  "http" : {
    
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FromPort",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "fromPort",
    "uri" : false
  },

  "idempotencyToken" : false,

  "list" : false,

  "listModel" : null,

  "map" : false,
for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.*/

setterMethodName" : "setFromPort",
setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\nThe start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.\n\n@fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n\nThe IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@param ipProtocol The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpProtocol",
  "getterDocumentation" : "/**\n\nThe IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@return The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@returns The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n"getterMethodName" : "getIpProtocol",
  "getterModel" : {
"enumType" : null,
  "fluentSetterDocumentation" : "/**\n\nThe IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@param ipProtocol The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpProtocol",
  "getterDocumentation" : "/**\n\nThe IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@return The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n@returns The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).\n\n"getterMethodName" : "getIpProtocol",
  "getterModel" : {
}
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**<p>The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and 
&lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-
numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;). &lt;p&gt;@param ipProtocol The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;,
&lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-
numbers/protocol-numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;).&lt;/p&gt;\n@returns Returns a reference to this object so that
method calls can be chained together.*\*/</p>

"setterMethodName" : "setIpProtocol",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ipProtocol",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and 
&lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-
numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;). &lt;p&gt;@param ipProtocol The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;,
&lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-
numbers/protocol-numbers.xhtml"&gt;Protocol Numbers&lt;/a&gt;).&lt;/p&gt;\n@returns Returns a reference to this object so that
method calls can be chained together.*\*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ipProtocol"
"variableType" : "String",
"documentation" : "<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "IpRanges",
"c2jShape" : "IpRanges",
"deprecated" : false,
"documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p>
@param ipRanges One or more IP ranges. Not applicable for stale security group rules.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpRanges",
"getterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p>
@return One or more IP ranges. Not applicable for stale security group rules.*/",
"getterMethodName" : "getIpRanges",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpRanges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipRanges",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"xmlNameSpaceUri" : null
}
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "IpRanges",
"setterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p>**/\n@param ipRanges One or more IP ranges. Not applicable for stale security group rules.*/",
"setterMethodName" : "setIpRanges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipRanges",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p>**/\n@param ipRanges One or more IP ranges. Not applicable for stale security group rules.*/

NOTE: This method appends the values to the existing list (if any). Use [ @link #setIpRanges(java.util.Collection) ] or [ @link #withIpRanges(java.util.Collection) ] if you want to override the existing values.*/

return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipRanges",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"
"xmlNameSpaceUri" : null
},
"c2jName" : "PrefixListIds",
"c2jShape" : "PrefixListIdSet",
"deprecated" : false,
"documentation" : "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrefixListIds",
"getterDocumentation" : "@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.
@return One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.*/",
"getterMethodName" : "getPrefixListIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrefixListIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "prefixListIds",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "@param member
@return Returns a reference to this object so that method calls can be chained together.*/"
  }
}
method calls can be chained together. */

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"variableSetterType": "String",
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
],
"map": false,
"mapModel": null,
"name": "PrefixListIds",
"setterDocumentation": "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>
@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.*"*/",
"setterMethodName": "setPrefixListIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "prefixListIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>
@\param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "prefixListIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"xmlNameSpaceUri": null
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \-1\ indicates all ICMP types. \"p\",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \-1\ indicates all ICMP types. \ln @param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \-1\ indicates all ICMP types.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "/**\p The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \-1\ indicates all ICMP types. \p\n@returns The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \-1\ indicates all ICMP types.*/",
"getterMethodName" : "getToPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "toPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**\p The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \-1\ indicates all ICMP types. \p\n@param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \-1\ indicates all ICMP types.*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort"}
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**\n\tThe end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. <p>
\t@param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.
\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "toPort",
  "variableType": "Integer",
  "documentation": "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"c2jName": "UserIdGroupPairs",
"c2jShape": "UserIdGroupPairSet",
"deprecated": false,
"documentation": "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.\n\n\t@return One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.\n\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getUserIpGroupPairs",
"getterDocumentation": "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.\n\n\t@return One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.\n\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UserIdGroupPair",
  "variableName" : "member",
  "variableType" : "UserIdGroupPair",
  "documentation" : "",
  "simpleType" : "UserIdGroupPair",
  "variableSetterType" : "UserIdGroupPair"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "UserIdGroupPair",
  "variableName" : "member",
  "variableType" : "UserIdGroupPair",
  "documentation" : "",
  "simpleType" : "UserIdGroupPair",
  "variableSetterType" : "UserIdGroupPair"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UserIdGroupPair",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UserIdGroupPair",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"templateType" : "java.util.List<UserIdGroupPair>"
},
"map" : false,
"mapModel" : null,
"name" : "UserIdGroupPairs",
"setterDocumentation" : "/**<p>One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.</p>
@param userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.</p>*/",
"setterMethodName" : "setUserIdGroupPairs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "com.amazonaws.inte
"variableType" : "java.util.List<UserIdGroupPair>",
"documentation" : "",
"simpleType" : "List<UserIdGroupPair>",
"variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.\n\n@NOTE:\n\nThis method appends the values to the existing list (if any). Use [@link \#setUserIdGroupPairs(java.util.Collection)] or [@link \#withUserIdGroupPairs(java.util.Collection)] if you want to override the existing values.\n\n@param userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
    "variableName" : "userIdGroupPairs",
    "variableType" : "java.util.List<UserIdGroupPair>",
    "documentation" : "<p>One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null
},
"memberAsMap" : {
    "FromPort" : {
    "c2jName" : "FromPort",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. \n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getFromPort",
    "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
    },
    "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FromPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>
@param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.*/",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>
@param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
},
"ipProtocol" : {
"c2jName": "IpProtocol",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)</p>
@param ipProtocol The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpProtocol",
"getterDocumentation": "/**<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)</p>
@return The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)
*/",
"getterMethodName": "getIpProtocol",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IpProtocol",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipProtocol",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IpProtocol",
"setterDocumentation": "/**<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)</p>
*/",
"setterMethodName": "setIpProtocol"
<code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).*/",
setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpRanges" : {
  "c2jName" : "IpRanges",
  "c2jShape" : "IpRanges",
  "deprecated" : false,
  "documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "getterDocumentation" : "/*<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "getterMethodName" : "getIpRanges",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpRanges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipRanges",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "marshallLocationName" : "IpRanges",
    "uri" : false
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "IpRanges",
"setterDocumentation" : "/**\n@param ipRanges One or more IP ranges. Not applicable for stale security group rules.*/
@param ipRanges One or more IP ranges. Not applicable for stale security group rules.*/",
"setterMethodName" : "setIpRanges"
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipRanges",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setIpRanges(java.util.Collection) or [@link #withIpRanges(java.util.Collection)] if you want to override the existing values.</b>\n@<p>@param ipRanges One or more IP ranges. Not applicable for stale security group rules.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipRanges",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"PrefixListIds" : {
  "c2jName" : "PrefixListIds",
  "c2jShape" : "PrefixListIdSet",
  "deprecated" : false,
  "documentation" : "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>\n@<p>@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrefixListIds",
  "getterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>\n@<p>@return One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.*/",
  "getterMethodName" : "getPrefixListIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatend" : false,
    "httpMethod" : "PUT",
    "isPrefix" : true,
    "locationName" : "prefixListIds",
    "returnLocationName" : "prefixListIds",
    "socketFactory" : null,
    "xmlNameSpaceUri" : null
  },
  "xmlElementName" : null
},
"getPrefixListIds" : {
  "c2jName" : "getPrefixListIds",
  "c2jShape" : "PrefixListIdSet",
  "deprecated" : false,
  "documentation" : "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>\n@<p>@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrefixListIds",
  "getterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>\n@<p>@return One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.*/",
  "getterMethodName" : "getPrefixListIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatend" : false,
    "httpMethod" : "PUT",
    "isPrefix" : true,
    "locationName" : "prefixListIds",
    "returnLocationName" : "prefixListIds",
    "socketFactory" : null,
    "xmlNameSpaceUri" : null
  },
  "xmlElementName" : null
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrefixListIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefixListIds",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/**\nOne or more prefix list IDs for an AWS service. Not applicable for stale
security group rules.*/
@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale
security group rules.*/",
"setterMethodName" : "setPrefixListIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "prefixListIds",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"variableName" : "prefixListIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>

<p>NOTE: This method appends the values to the existing list (if any). Use { @link #setPrefixListIds(java.util.Collection)} or { @link #withPrefixListIds(java.util.Collection)} if you want to override the existing values.</p>

@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "prefixListIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"ToPort" : {
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>

@param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentGetterMethodName" : "withToPort",
"getterDocumentation" : "/**<p>The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>

@return The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.
"getterMethodName" : "getToPort",
"gettersModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ToPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "toPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>
@param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>
@param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types."
},
"xmlNameSpaceUri" : null
},
"UserIdGroupPairs" : {
  "c2jName" : "UserIdGroupPairs",
  "c2jShape" : "UserIdGroupPairSet"
"deprecated" : false,
"documentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.",
"enumType" : null,
"fluentSetterDocumentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.

@param userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.

@return Returns a reference to this object so that method calls can be chained together.

*/

"fluentSetterMethodName" : "withUserIdGroupPairs",
"getterDocumentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.

@return One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.

*/

"getterMethodName" : "getUserIdGroupPairs",
"getterModel" : {
"returnType" : "java.util.List<UserIdGroupPair>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Groups",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groups",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "UserIdGroupPair",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.

@param member One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.

@return Returns a reference to this object so that method calls can be chained together.

*/

"fluentSetterMethodName" : "withMember",}
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "UserIdGroupPair",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UserIdGroupPair",
  "variableName" : "member",
  "variableType" : "UserIdGroupPair",
  "documentation" : "",
  "simpleType" : "UserIdGroupPair",
  "variableSetterType" : "UserIdGroupPair"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "UserIdGroupPair",
  "variableName" : "member",
  "variableType" : "UserIdGroupPair",
  "documentation" : "",
  "simpleType" : "UserIdGroupPair",
  "variableSetterType" : "UserIdGroupPair"
},
null
",
"memberLocationName" : "item",
"memberType" : "UserIdGroupPair",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UserIdGroupPair",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"templateType" : "java.util.List<UserIdGroupPair>"
},
"map" : false,
"mapModel" : null,
"name" : "UserIdGroupPairs",
"setterDocumentation" : "/**
<p>One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.</p>

@param userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.*\n*/",
"setterMethodName" : "setUserIdGroupPairs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"variableName" : "userIdGroupPairs",
"variableType" : "java.util.List<UserIdGroupPair>",
"documentation" : "",
"simpleType" : "List<UserIdGroupPair>",
"variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setUserIdGroupPairs(java.util.Collection)} or {@link #withUserIdGroupPairs(java.util.Collection)} if you want to override the existing values.</p>

@param userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"variableName" : "userIdGroupPairs",
"variableType" : "java.util.List<UserIdGroupPair>",
"documentation" : "",
"simpleType" : "List<UserIdGroupPair>",
"variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "StaleIpPermission",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "StaleIpPermission",
  "variableName" : "staleIpPermission",
  "variableType" : "StaleIpPermission",
  "documentation" : null,
  "simpleType" : "StaleIpPermission",
  "variableSetterType" : "StaleIpPermission"
},
"wrapper" : false
},
"StaleSecurityGroup" : {
  "c2jName" : "StaleSecurityGroup",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a stale security group (a security group that contains stale rules).</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
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      "c2jName" : "GroupId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the security group.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>\n@param groupId The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withGroupId",
      "getterDocumentation" : "/**<p>The ID of the security group.</p>\n@return The ID of the security group.*/",
      "getterMethodName" : "getGroupId",
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"simple": true,
"varargSetterDocumentation": "/**<p>The name of the security group.</p>@param groupName The name of the security group
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "<p>The name of the security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{
  "c2jName": "Description",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The description of the security group.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The description of the security group.</p>@param description The description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDescription",
  "getterDocumentation": "/**<p>The description of the security group.</p>@return The description of the security group.*/",
  "getterMethodName": "getDescription",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Description",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "description",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description of the security group.</p><p>@param description The description of the security group.</p>*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description of the security group.</p><p>@param description The description of the security group.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC for the security group.</p><p>@param vpcId The ID of the VPC for the security group.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC for the security group.</p><p>@return The ID of the VPC for the security group.</p>*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n<p>The ID of the VPC for the security group.</p>
@param vpcId The ID of the VPC for the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the VPC for the security group.</p>
@param vpcId The ID of the VPC for the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The ID of the VPC for the security group.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "StaleIpPermissions",
  "c2jShape" : "StaleIpPermissionSet",
  "deprecated" : false,
  "documentation" : "Information about the stale inbound rules in the security group.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>Information about the stale inbound rules in the security group.</p>
@param staleIpPermissions Information about the stale inbound rules in the security group.
@return Returns a reference to this object so that method calls can be chained together.*/"
Returns a reference to this object so that method calls can be chained together.*/
   "fluentSetterMethodName" : "withStaleIpPermissions",
   "getterDocumentation" : "/**\n* Information about the stale inbound rules in the security group.\n*\n* @return Information about the stale inbound rules in the security group.\*/",
   "getterMethodName" : "getStaleIpPermissions",
   "getterModel" : {
   "returnType" : "java.util.List<StaleIpPermission>",
   "documentation" : null
   },
   "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "StaleIpPermissions",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "staleIpPermissions",
   "uri" : false
   },
   "idempotencyToken" : false,
   "list" : true,
   "listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
   "c2jName" : "member",
   "c2jShape" : "StaleIpPermission",
   "deprecated" : false,
   "documentation" : "",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.\*/",
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "/**\n* @return *\n*",
   "getterMethodName" : "getMember",
   "getterModel" : {
   "returnType" : "StaleIpPermission",
   "documentation" : null
   },
   "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
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   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "staleIpPermissions",
   "uri" : false
   },
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
* @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "StaleIpPermission",
  "variableName": "member",
  "variableType": "StaleIpPermission",
  "documentation": "",
  "simpleType": "StaleIpPermission",
  "variableSetterType": "StaleIpPermission"
},
"simple": false,
"varargSetterDocumentation": "/**
* @param member
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "StaleIpPermission",
  "variableName": "member",
  "variableType": "StaleIpPermission",
  "documentation": "",
  "simpleType": "StaleIpPermission",
  "variableSetterType": "StaleIpPermission"
},
"xmlnsSpaceUri": null,
"memberLocationName": "item",
"memberType": "StaleIpPermission",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType" : "StaleIpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"templateType" : "java.util.List<StaleIpPermission>
",
"map" : false,
"mapModel" : null,
"name" : "StaleIpPermissions",
"setterDocumentation" : "/**<p>Information about the stale inbound rules in the security group.</p>\n@param staleIpPermissions Information about the stale inbound rules in the security group.*/",
"setterMethodName" : "setStaleIpPermissions",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
    "variableName" : "staleIpPermissions",
    "variableType" : "java.util.List<StaleIpPermission>",
    "documentation" : "",
    "simpleType" : "List<StaleIpPermission>",
    "variableSetterType" : "java.util.Collection<StaleIpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the stale inbound rules in the security group.</p>\n\n@NOTE: This method appends the values to the existing list (if any). Use {@link #setStaleIpPermissions(java.util.Collection)} or {@link #withStaleIpPermissions(java.util.Collection)} if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
    "variableName" : "staleIpPermissions",
    "variableType" : "java.util.List<StaleIpPermission>",
    "documentation" : "Information about the stale inbound rules in the security group.*/",
    "simpleType" : "List<StaleIpPermission>",
    "variableSetterType" : "java.util.Collection<StaleIpPermission>"
},
"xmlnsNameSpaceUri" : null
},
{"c2jName" : "StaleIpPermissionsEgress",
"c2jShape" : "StaleIpPermissionSet",
"deprecated" : false,
"documentation" : "Information about the stale outbound rules in the security group.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>\n@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStaleIpPermissionsEgress",
"getterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>\n@return Information about the stale outbound rules in the security group.*/",
"getterMethodName" : "getStaleIpPermissionsEgress",
"getterModel" : {
    "returnType" : "java.util.List<StaleIpPermission>",
    "documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>\n@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStaleIpPermissionsEgress",
"getterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>\n@return Information about the stale outbound rules in the security group.*/",
"getterMethodName" : "getStaleIpPermissionsEgress",
"getterModel" : {
    "returnType" : "java.util.List<StaleIpPermission>",
    "documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>\n@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStaleIpPermissionsEgress",
"getterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>\n@return Information about the stale outbound rules in the security group.*/",
"getterMethodName" : "getStaleIpPermissionsEgress"}
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "StaleIpPermission",
  "variableName" : "member",
  "variableType" : "StaleIpPermission",
  "documentation" : "",
  "simpleType" : "StaleIpPermission",
  "variableSetterType" : "StaleIpPermission"
}
",
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "StaleIpPermission",
  "variableName" : "member",
  "variableType" : "StaleIpPermission",
  "documentation" : "",
  "simpleType" : "StaleIpPermission",
  "variableSetterType" : "StaleIpPermission"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "StaleIpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleIpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"templateType" : "java.util.List<StaleIpPermission>
}
",
"map" : false,
"mapModel" : null,
"name" : "StaleIpPermissionsEgress",

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"setterDocumentation" : "/**\n@\n\n@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.*\n*/",
"setterMethodName" : "setStaleIpPermissionsEgress",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
  "variableName" : "staleIpPermissionsEgress",
  "variableType" : "java.util.List<StaleIpPermission>",
  "documentation" : "",
  "simpleType" : "List<StaleIpPermission>",
  "variableSetterType" : "java.util.Collection<StaleIpPermission>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n\nNOTE:\nThis method appends the values to the existing list (if any). Use \{ @link #setStaleIpPermissionsEgress(java.util.Collection) \} or \{ @link #withStaleIpPermissionsEgress(java.util.Collection) \} if you want to override the existing values.\n\n@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
  "variableName" : "staleIpPermissionsEgress",
  "variableType" : "java.util.List<StaleIpPermission>",
  "documentation" : "Information about the stale outbound rules in the security group.\n\n@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "simpleType" : "List<StaleIpPermission>",
  "variableSetterType" : "java.util.Collection<StaleIpPermission>",
},
"xmlNameSpaceUri" : null
}
]
"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The description of the security group.\n\n@param description The description of the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@\n\n@param description The description of the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/*\n@\n\n@return The description of the security group.\n\n@\n\nGetter Method Name: get\n\n@\n\nGetters are always available\n\n@\n\nReturn Type: String\n\n@\n\nDocumentation: null\n\n*\n*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
    }
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description of the security group.</p>
@param description The description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodNames" : ["setDescription"],
"setterModel" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "",
  "variableSetterType" : "String",
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The description of the security group.</p>
@param description The description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "The description of the security group."
  },
  "xmlNamespaceUri" : null
},
"GroupId" : {
  "c2jName" : "GroupId",
  "c2jShape" : "String",
  "deprecated" : false,
"documentation" : "The ID of the security group.",
"enumType" : null,
"fluentSetterDocumentation" : "param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.

*fluentSetterMethodName* : "withGroupId",
"getterDocumentation" : "The ID of the security group.
@return The ID of the security group.

*getterMethodName* : "getGroupId",
"getterModel" : {
  "documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.

*setterMethodName* : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.

*variable* : {
  "variableDeclarationType" : "String",
"..."
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "&lt;p&gt;The ID of the security group.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The name of the security group.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The name of the security group.&lt;/p&gt;&lt;\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**&lt;p&gt;The name of the security group.&lt;/p&gt;&lt;\n@return The name of the security group.*\*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**&lt;p&gt;The name of the security group.&lt;/p&gt;&lt;\n@param groupName The name of the security group.*\*/",
"setterMethodName" : "setGroupName",
"xmlNameSpaceUri" : null
}
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n\n@param groupName The name of the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "\n\n<p>The name of the security group.</p>\n",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"StaleIpPermissions": {
  "c2jName": "StaleIpPermissions",
  "c2jShape": "StaleIpPermissionSet",
  "deprecated": false,
  "documentation": "\n\n<p>Information about the stale inbound rules in the security group.</p>\n",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n\n@param staleIpPermissions Information about the stale inbound rules in the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withStaleIpPermissions",
  "getterDocumentation": "/**\n\n@return Information about the stale inbound rules in the security group.\n\n*/",
  "getterMethodName": "getStaleIpPermissions",
  "getterModel": {
    "returnType": "java.util.List<StaleIpPermission>",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "staleIpPermissions",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "StaleIpPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "StaleIpPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "StaleIpPermission",
    "variableName" : "member",
    "variableType" : "StaleIpPermission",
    "documentation" : "",
    "simpleType" : "StaleIpPermission",
    "variableSetterType" : "StaleIpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "StaleIpPermission",
    "variableName" : "member",
    "variableType" : "StaleIpPermission",
    "documentation" : "",
    "simpleType" : "StaleIpPermission",
    "variableSetterType" : "StaleIpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "StaleIpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleIpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"templateType" : "java.util.List<StaleIpPermission>"}
},
"map" : false,
"mapModel" : null,
"name" : "StaleIpPermissions",
"setterDocumentation" : "/**</p><p>Information about the stale inbound rules in the security group.</p>@param staleIpPermissions Information about the stale inbound rules in the security group.*/",
"setterMethodName" : "setStaleIpPermissions",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
    "variableName" : "staleIpPermissions",
    "variableType" : "java.util.List<StaleIpPermission>",
    "documentation" : "",
    "simpleType" : "List<StaleIpPermission>",
    "variableSetterType" : "java.util.Collection<StaleIpPermission>"
},
"simple" : false,
Information about the stale inbound rules in the security group. This method appends the values to the existing list (if any). Use [setStaleIpPermissions(java.util.Collection)] or [withStaleIpPermissions(java.util.Collection)] if you want to override the existing values.

Note: This method appends the values to the existing list (if any). Use [setStaleIpPermissions(java.util.Collection)] or [withStaleIpPermissions(java.util.Collection)] if you want to override the existing values.

Information about the stale inbound rules in the security group.

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Information about the stale outbound rules in the security group.
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 10104
"variableSetterType" : "StaleIpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "StaleIpPermission",
"variableName" : "member",
"variableType" : "StaleIpPermission",
"documentation" : "",
"simpleType" : "StaleIpPermission",
"variableSetterType" : "StaleIpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "StaleIpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleIpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"templateType" : "java.util.List<StaleIpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "StaleIpPermissionsEgress",
"setterDocumentation" : "/**\n<p>Information about the stale outbound rules in the security group.</p>
@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.*/",
"setterMethodName" : "setStaleIpPermissionsEgress",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"variableName" : "staleIpPermissionsEgress",
"variableType" : "java.util.List<StaleIpPermission>",
"documentation" : "",
"simpleType" : "List<StaleIpPermission>",
"variableSetterType" : "java.util.Collection<StaleIpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the stale outbound rules in the security group.</p>

\<b>NOTE:</b> This method appends the values to the existing list (if any). Use \@link #setStaleIpPermissionsEgress(java.util.Collection) or \@link #withStaleIpPermissionsEgress(java.util.Collection) if you want to override the existing values.\n\@return Returns a reference to this object so that method calls can be chained together.*/**,}
"setterDocumentation": "/**\nThe ID of the VPC for the security group.</p>
@param vpcId The ID of the
VPC for the security group.*/",
setterMethodName": "setVpcId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "vpcId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\nThe ID of the VPC for the security group.</p>
@param vpcId The ID of the VPC for the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "vpcId",
"variableType": "String",
"documentation": "The ID of the VPC for the security group.\n",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "GroupId" ],
"shapeName": "StaleSecurityGroup",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "StaleSecurityGroup",
"variableName": "staleSecurityGroup",
"variableType": "StaleSecurityGroup",
"documentation": null,
"simpleType": "StaleSecurityGroup",
"variableSetterType": "StaleSecurityGroup"
},
"wrapper": false
},
"StartInstancesRequest": {
"c2jName": "StartInstancesRequest",
"customization": {
"artificialResultWrapper": null,
"StartInstancesRequest": {
"c2jName": "StartInstancesRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
],
"deprecated" : false,
"documentation" : "&lt;p&gt;Contains the parameters for StartInstances.&lt;/p&gt;",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "StartInstances",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
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"members" : [ {  "c2jName" : "InstanceIds",
 "c2jShape" : "InstanceIdStringList",
 "deprecated" : false,
 "documentation" : "&lt;p&gt;One or more instance IDs.&lt;/p&gt;",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**&lt;p&gt;One or more instance IDs.&lt;/p&gt;&lt;param instanceIds One or more instance IDs.&lt;/p&gt;&lt;return Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
 "fluentSetterMethodName" : "withInstanceIds",
 "getterDocumentation" : "/**&lt;p&gt;One or more instance IDs.&lt;/p&gt;&lt;return One or more instance IDs.*/&lt;/p&gt;",
 "getterMethodName" : "getInstanceIds",
 "getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
 },
 "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
   ...
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n     * @param member *\n     */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
  }
}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.*/",
"setterMethodName": "setInstanceIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more instance IDs.</p>\n<b>NOTE:</b> This method
appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.*/
@param instanceIds One
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved.</p>@param additionalInfo Reserved.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "<p>Reserved.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AdditionalInfo" : {
    "c2jName" : "AdditionalInfo",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Reserved.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Reserved.</p>@param additionalInfo Reserved.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withAdditionalInfo",
    "getterDocumentation" : "/**<p>Reserved.</p>@return Reserved.</p>*/",
    "getterMethodName" : "getAdditionalInfo",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AdditionalInfo",
      "queryString" : false,
      "type" : "String",
      "uriPath" : null,
      "version" : null
    },
    "xmlNameSpaceUri" : null
  }
}
"statusCode": false,
"unmarshallLocationName": "additionalInfo",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AdditionalInfo",
"setterDocumentation": "/**\n  * Reserved.
  * @param additionalInfo Reserved.
  */",
"setterMethodName": "setAdditionalInfo",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "additionalInfo",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n  * Reserved.
  * @param additionalInfo Reserved.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "additionalInfo",
  "variableType": "String",
  "documentation": "<p>Reserved.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"InstanceId": {
  "c2jName": "InstanceIds",
  "c2jShape": "InstanceIdStringList",
  "deprecated": false,
  "documentation": "<p>One or more instance IDs.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more instance IDs.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName": "withInstanceIds",
  "getterDocumentation": "/**<p>One or more instance IDs.</p><p>@return One or more instance IDs.</p>*/",
  "getterMethodName": "getInstanceIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  }
};
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "InstanceId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "InstanceId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "InstanceId",
      "uri": false
    }
  }
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**
One or more instance IDs.
*/
@param instanceIds One or more instance IDs.*/"
"setterMethodName" : "setInstanceIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nOne or more instance IDs.\n\nNOTE:\nThis method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.\n\n@returns\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more instance IDs.\n\nSimpleType": "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceIds" ],
"shapeName" : "StartInstancesRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "StartInstancesRequest",
    "variableName" : "startInstancesRequest",
    "variableType" : "StartInstancesRequest",
    "documentation" : null,
    "simpleType" : "StartInstancesRequest",
    "variableSetterType" : "StartInstancesRequest"
},
"wrapper" : false
},
"StartInstancesResult" : {
    "c2jName" : "StartInstancesResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
"deprecated" : false,
"documentation" : "<p>Contains the output of StartInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
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"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "StartingInstances",
  "c2jShape" : "InstanceStateChangeList",
  "deprecated" : false,
  "documentation" : "<p>Information about one or more started instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about one or more started instances.</p>
@param
startingInstances Information about one or more started instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStartingInstances",
  "getterDocumentation" : "/**<p>Information about one or more started instances.</p>
@return Information about one or more started instances.*/",
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    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstancesSet",
    "queryString" : false,
    "statusCode" : false,
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    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "documentation" : null
    }
  }
}]
}
"c2jShape" : "InstanceStateChange",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "InstanceStateChange",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
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"setterDocumentation" : "/**\n@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "InstanceStateChange",
  "documentation" : "",
  "simpleType" : "InstanceStateChange",
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method calls can be chained together.*/",
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<InstanceStateChange>",
"map" : false,
"mapModel" : null,
"name" : "StartingInstances",
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@param startingInstances Information about one or more started instances. */",
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  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
  "variableName" : "startingInstances",
  "variableType" : "java.util.List<InstanceStateChange>",
  "documentation" : "",
  "simpleType" : "List<InstanceStateChange>",
  "variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more started instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setStartingInstances(java.util.Collection) } or { @link #withStartingInstances(java.util.Collection) } if you want to override the existing values.*/
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "startingInstances",
  "variableType" : "java.util.List<InstanceStateChange>",
  "documentation" : "<p>Information about one or more started instances.</p>",
  "simpleType" : "List<InstanceStateChange>",
  "variableSetterType" : "java.util.Collection<InstanceStateChange>"
"StartingInstances" : {
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  "c2jShape" : "InstanceStateChangeList",
  "deprecated" : false,
  "documentation" : "<p>Information about one or more started instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about one or more started instances.\n@param startingInstances Information about one or more started instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStartingInstances",
  "getterDocumentation" : "/**<p>Information about one or more started instances.</p>\n@return Information about one or more started instances.*/",
  "getterMethodName" : "getStartingInstances",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceStateChange>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
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    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "instancesSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "InstanceStateChange",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*\n*/
,"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */
,"getterMethodName" : "getMember",
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"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */
,"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
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"documentation" : "",
"simpleType" : "InstanceStateChange",
"variableSetterType" : "InstanceStateChange"
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"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/
,"variable" : {
"variableDeclarationType" : "InstanceStateChange",
"variableName" : "member",
"variableType" : "InstanceStateChange",
"documentation" : "",
"simpleType" : "InstanceStateChange",
"variableSetterType" : "InstanceIdeStateChange"}
"variableSetterType": "InstanceStateChange",
}, "xmlNameSpaceUri": null,
}, "memberLocationName": "item",
"memberType": "InstanceStateChange",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"templateType": "java.util.List<InstanceStateChange>"
},
"map": false,
"mapModel": null,
"name": "StartingInstances",
"setterDocumentation": "/**<p>Information about one or more started instances.</p>
@param startingInstances Information about one or more started instances.*/",
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"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"variableName": "startingInstances",
"variableType": "java.util.List<InstanceStateChange>",
"documentation": "",
"simpleType": "List<InstanceStateChange>",
"variableSetterType": "java.util.Collection<InstanceStateChange>"
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"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more started instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [\@link #setStartingInstances(java.util.Collection\)] or [\@link #withStartingInstances(java.util.Collection\)] if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType": "java.util.Collection<InstanceStateChange>"
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  "variableType" : "StartInstancesResult",
  "documentation" : null,
  "simpleType" : "StartInstancesResult",
  "variableSetterType" : "StartInstancesResult"
},
"wrapper" : false
},
"State" : {
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  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
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    "name" : "Pending",
    "value" : "Pending"
  }, {
    "name" : "Available",
    "value" : "Available"
  }, {
    "name" : "Deleting",
    "value" : "Deleting"
  }, {
    "name" : "Deleted",
    "value" : "Deleted"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {}
},
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : {},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "State",
   "variableName" : "state",
   "variableType" : "State",
   "documentation" : null,
   "simpleType" : "State",
   "variableSetterType" : "State"
},
"wrapper" : false
},
"StateReason" : {
   "c2jName" : "StateReason",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "<p>Describes a state change.</p>",
   "enums" : null,
   "errorCode" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
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      "c2jName" : "Code",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The reason code for the state change.</p>",
      "enumType" : null,
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      "fluentSetterMethodName" : "withCode",
      "getterDocumentation" : "/**<p>The reason code for the state change.</p>@return The reason code for the state change.*/",
      "getterMethodName" : "getCode",
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 10124
"xmlNameSpaceUri" : null,
}, {
"c2jName" : "Message",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The message for the state change.</p> <ul>
<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
<li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
<li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
<li><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</li>
<li><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li>
</ul>
<p><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p>
<p><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p>
<p><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p>
<p><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The message for the state change.</p> <ul>
<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
<li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
<li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
<li><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</li>
<li><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li>
</ul>
<p><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p>
<p><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p>
<p><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p>
<p><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p>"
"getterDocumentation" : "/**<p>The message for the state change.</p> <ul>
<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
<li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
<li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
<li><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</li>
<li><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li>
</ul>
<p><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p>
<p><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p>
<p><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p>
<p><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p>"```
request. </p> 
</li> 
<li> 
<p> <code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination. 
</p> 
</li> 
<li> 
<p> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement. 
</p> 
</li> 
<li> 
<p> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price. 
</p> 
</li> 
<li> 
<p> <code>Client.InternalError</code>: A client error caused the instance to terminate on launch. 
</p> 
</li> 
</ul>

At a return The message for the state change. 
</li> 
<li> 
<p> <code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request. 
</p> 
</li> 
<li> 
<p> <code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request. 
</p> 
</li> 
<li> 
<p> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement. 
</p> 
</li> 
<li> 
<p> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price. 
</p> 
</li> 
<li> 
<p> <code>Client.InternalError</code>: A client error caused the instance to terminate on launch. 
</p> 
</li> 
<li> 
<p> <code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance. 
</p> 
</li> 
<li> 
<p> <code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API. 
</p> 
</li> 
<li> 
<p> <code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits. 
</p> 
</li> 
<li> 
<p> <code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found. 
</p> 
</li> 
</ul>

"getterMethodName" : "getMessage",
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 "documentation" : null
 },
"http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "message",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**
 * The message for the state change.
 */

<code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p> <li> <p> <code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p> <li> <p> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p> <li> <p> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p> <li> <p> <code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p> 

<code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p> <li> <p> <code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p>

<code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p>

<code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p>

<code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p> <li> <p> <code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p> <li> <p> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p> <li> <p> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p> 

<code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p> 

<code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p>

<code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p>

<code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p>

<code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.

"setterMethodName" : "setMessage",
"setterModel" : {
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  "variableName" : "message",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**
 * The message for the state change.
 */

<code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p> <li> <p> <code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p> <li> <p> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p> 

<code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p> 

<code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p>

<code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p>

<code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p>

<code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.
<code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p> </ul>

- <code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p> </ul>

- <code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p> </ul>

- <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p> </ul>

- <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p> </ul>

- <code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p> </ul>

- <code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p> </ul>

- <code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p> </ul>

- <code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p> </ul>

- <code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p> </ul>

</code>

>Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "The message for the state change.",
}

"Code" : {
  "c2jName" : "Code",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The reason code for the state change.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The reason code for the state change.",
  "fluentSetterMethodName" : "withCode",
  "getterDocumentation" : "The reason code for the state change."
}

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state change.*/
    
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "uri" : false
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    "map" : false,
    "mapModel" : null,
    "name" : "Code",
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     * The reason code for the state change.
     * @param code The reason code for the state change.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
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        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The reason code for the state change.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
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        "variableName" : "code",
        "variableType" : "String",
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        "simpleType" : "String","
"variableSetterType" : "String",
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</p>
<code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.<p>
</p>
<code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.<p>
</p>
<code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.<p>
</p>
<code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.<p>
</p>
<code>Client.InternalError</code>: A client error caused the instance to terminate on launch.<p>
</p>
<code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.<p>
</p>
<code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.<p>
</p>
<code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.<p>
</p>
<code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.<p>
</p>
"enumType" : null,
"fluentSetterDocumentation" : "The message for the state change."<p>
</p>
<code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.<p>
</p>
<code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.<p>
</p>
<code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.<p>
</p>
<code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.<p>
</p>
<code>Client.InternalError</code>: A client error caused the instance to terminate on launch.<p>
</p>
<code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.<p>
</p>
<code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.<p>
</p>
<code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.<p>
</p>
<code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.<p>
</p>
"@return Returns a reference to this object so that method calls can be chained together."*/
**getterMethodName** : "withMessage",
**getterDocumentation** : "*/p>The message for the state change.</p> <ul> <li> <p> <code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p> </li> <li> <p> <code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p> </li> <li> <p> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p> </li> <li> <p> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p> </li> <li> <p> <code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p> </li> <li> <p> <code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p> </li> <li> <p> <code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p> </li> <li> <p> <code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p> </li> <li> <p> <code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p> </li> <li> 
@<p>The message for the state change.</p> <ul> <li> <p> <code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p> </li> <li> <p> <code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p> </li> <li> <p> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p> </li> <li> <p> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p> </li> <li> <p> <code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p> </li> <li> <p> <code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p> </li> <li> <p> <code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p> </li> <li> <p> <code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p> </li> <li> <p> <code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p> </li> <li> */
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"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>The message for the state change.</p> 
<ul>
<li> <code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li> 
<li> <code>Server.InsufficientInstanceCapacity</code>: An internal error occurred during instance launch, resulting in termination.</li> 
<li> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li> 
<li> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</li> 
<li> <code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li> 
<li> <code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</li> 
<li> <code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</li> 
<li> <code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</li> 
<li> <code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
<ul>
<li>@param message The message for the state change.</li>
<ul>
<li> <code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
<li> <code>Server.InsufficientInstanceCapacity</code>: An internal error occurred during instance launch, resulting in termination.</li>
<li> <code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
<li> <code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</li>
<li> <code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li>
<li> <code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</li>
<li> <code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</li>
<li> <code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</li>
<li> <code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
<ul>"
instance was shut down using the Amazon EC2 API. 

`<code>`Client.VolumeLimitExceeded</code>`: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p> 

`<code>`Client.InsufficientInstanceCapacity</code>`: There was insufficient instance capacity to satisfy the launch request.

`<code>`Server.InsufficientInstanceCapacity</code>`: An internal error occurred during instance launch, resulting in termination.

`<code>`Server.ScheduledStop</code>`: The instance was stopped due to a scheduled retirement.

`<code>`Server.SpotInstanceTermination</code>`: A Spot instance was terminated due to an increase in the market price.

`<code>`Client.VolumeLimitExceeded</code>`: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.

`<code>`Client.InsufficientInstanceCapacity</code>`: An internal error occurred during instance launch, resulting in termination.

`<code>`Server.ScheduledStop</code>`: The instance was stopped due to a scheduled retirement.

`<code>`Server.SpotInstanceTermination</code>`: A Spot instance was terminated due to an increase in the market price.

`<code>`Client.InternalError</code>`: A client error caused the instance to terminate on launch.

`<code>`Client.InsufficientInstanceCapacity</code>`: There was insufficient instance capacity to satisfy the launch request.

`<code>`Server.ScheduledStop</code>`: The instance was stopped due to a scheduled retirement.

`<code>`Client.ScheduledStop</code>`: The instance was stopped due to a scheduled retirement.

`<code>`Client.SpotInstanceTermination</code>`: A Spot instance was terminated due to an increase in the market price.

`<code>`Client.InternalError</code>`: A client error caused the instance to terminate on launch.

`<code>`Client.VolumeLimitExceeded</code>`: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.
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    }, {
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      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n<param instanceIds One or more
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      "fluentSetterMethodName" : "withInstanceIds",
      "getterDocumentation" : "/**\n<param instanceIds One or more
instance IDs.*/\n@return One or more instance IDs.
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        "greedy" : false,
        "header" : false,
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        "isHeaderMember" : false,
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      }
    }
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}
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  "variableType" : "String",
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},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
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"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.</p>*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
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  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
This method appends the values to the existing list (if any). Use \{@link \#setInstanceIds(java.util.Collection)\} or \{@link \#withInstanceIds(java.util.Collection)\} if you want to override the existing values.\n
\n@note Returns a reference to this object so that method calls can be chained together.*/

/**
 Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.

Default: \code{false}\n
*/

getForce() {\n
/**
 Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.

Default: \code{false}\n
*/

withForce() {\n
### "force" property

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>simple</td>
<td>false</td>
<td>False</td>
</tr>
<tr>
<td>variableDeclarationType</td>
<td>com.amazonaws.internal.SdkInternalList&lt;String&gt;</td>
<td>One or more instance IDs. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances. Default: false</td>
</tr>
</tbody>
</table>
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"statusCode" : false,
"unmarshallLocationName" : "force",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Force",
"setterDocumentation" : "/**<p>Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code></p>
@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*"*/",
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  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code></p>
@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*"*/",
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@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances. Default: false

@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances. Default: false

*/",
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"queryString" : false,
"statusCode" : false,
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"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Force",
"setterDocumentation" : "/**<p>Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code></p>
@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code>*/",
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"varargSetterDocumentation" : "/**<p>Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code></p>
@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "force",
  "variableType" : "Boolean",
  "documentation" : "Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.
<p>Default: <code>false</code> </p>",
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  "variableSetterType" : "Boolean"
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  "c2jShape" : "InstanceIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more instance IDs.</p>
@return One or more instance IDs.</p>"},
"enumType" : null,
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"fluentSetterMethodName" : "withInstanceIds",
"getterDocumentation" : "/**<p>One or more instance IDs.</p><p>@return One or more instance IDs.</p>*/",...
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
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    "uri" : false
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "c2jShape" : "String",
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        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
         * @param member 
         * @return Returns a reference to this object so that
         * method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n @return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
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            "documentation" : null
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            "queryString" : false,
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"deprecated" : false,
"documentation" : "<p>Contains the output of StopInstances.</p>",
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"c2jShape" : "InstanceStateChangeList",
"deprecated" : false,
"documentation" : "<p>Information about one or more stopped instances.</p>",
"enumType" : null,
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@param stoppingInstances Information about one or more stopped instances.
@return Returns a reference to this object so that method calls can be chained together. */",
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@return Information about one or more stopped instances. */",
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    "c2jShape" : "InstanceStateChange",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return */",
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  "variableName" : "stoppingInstances",
  "variableType" : "java.util.List<InstanceStateChange>",
  "documentation" : "",
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  "variableSetterType" : "java.util.Collection<InstanceStateChange>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more stopped instances.</p>
\t>Note: This method appends the values to the existing list (if any). Use {@link #setStoppingInstances(java.util.Collection)} or {@link #withStoppingInstances(java.util.Collection)} if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "java.util.List<InstanceStateChange>",
"documentation" : "<p>Information about one or more stopped instances.</p>",
"simpleType" : "List<InstanceStateChange>",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "InstanceStateChange",
"documentation": "",
"simpleType": "InstanceStateChange",
"variableSetterType": "InstanceStateChange"
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"xmlNameSpaceUri": null
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"memberType": "InstanceStateChange",
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
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"templateType": "java.util.List<InstanceStateChange>"
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"map": false,
"mapModel": null,
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"setterDocumentation": "/**
<p>Information about one or more stopped instances.

@param stoppingInstances Information about one or more stopped instances.

@return Returns a reference to this object so that method calls can be chained together.
*/

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  "documentation": "",
  "simpleType": "List<InstanceStateChange>",
  "variableSetterType": "java.util.Collection<InstanceStateChange>"
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"simple": false,
"varargSetterDocumentation": "/**
<p>Information about one or more stopped instances.

NOTE: This method appends the values to the existing list (if any). Use 
{@link #setStoppingInstances(java.util.Collection)} or 
{@link #withStoppingInstances(java.util.Collection)} if you want to
override the existing values.

@return Returns a reference to this object so that method calls can be chained together.
*/

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  "variableName": "stoppingInstances",
  "variableType": "java.util.List<InstanceStateChange>",
  "documentation": "Information about one or more stopped instances.

NOTE: This method appends the values to the existing list (if any). Use 
{@link #setStoppingInstances(java.util.Collection)} or 
{@link #withStoppingInstances(java.util.Collection)} if you want to
override the existing values.

@return Returns a reference to this object so that method calls can be chained together.
*/


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  "variableType" : "StopInstancesResult",
  "documentation" : null,
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  "variableSetterType" : "StopInstancesResult"
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  "errorCode" : null,
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      "deprecated" : false,
      "documentation" : "<p>An Amazon S3 storage location.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/** <p>An Amazon S3 storage location.</p>\n@returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withS3"
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  ]
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"documentation" : null
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"isStreaming" : false,
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"map" : false,
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@param s3 An Amazon S3 storage location.<n@param s3 An Amazon S3 storage location.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setS3",
"setterModel" : {
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"variableName" : "s3",
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"documentation" : "",
"simpleType" : "S3Storage",
"variableSetterType" : "S3Storage"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>An Amazon S3 storage location.</p>
@param s3 An Amazon S3 storage location.<n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "s3",
"variableType" : "S3Storage",
"documentation" : "<p>An Amazon S3 storage location.</p>",
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"c2jShape" : "S3Storage",
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"enumType" : null,
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@param s3 An Amazon S3 storage location.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return An Amazon S3 storage location.
*/",
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@param s3 An Amazon S3 storage location.
*/",
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"variableSetterType" : "S3Storage"
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@param s3 An Amazon S3 storage location.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "S3Storage",
"variableSetterType" : "S3Storage"
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"required" : null,
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"unmarshaller" : {
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"resultWrapper" : null
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"documentation" : null,
"simpleType" : "Storage",
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"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ 
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**<p>The ID of the subnet.</p>
@returns The ID of the subnet.*/",
  "getterMethodname" : "getSubnetId",
  "getterModel" : { 
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    "documentation" : null
  },
  "http" : { 
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    "greedy" : false,
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    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "subnetId",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SubnetId",
  "setterDocumentation" : "/**<p>The ID of the subnet.</p>
@returns The ID of the subnet.*/",
  "setterMethodName" : "setSubnetId",
  "setterModel" : { 
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    "variableName" : "subnetId",
    "variableType" : "String",
  },
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n  * The ID of the subnet.
  * @param subnetId The ID of the subnet.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "\n  * The ID of the subnet.
  * @param state The current state of the subnet.
  * @return Returns a reference to this object so that method calls can be chained together.
  * @see SubnetState*/",
  "getterDocumentation" : "\n  * The current state of the subnet.
  * @return The current state of the subnet.
  * @see SubnetState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
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  "xmlNameSpaceUri" : null
},
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"c2jShape" : "SubnetState",
"deprecated" : false,
"documentation" : "\n  * The current state of the subnet.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentySetterDocumentation" : "/**\n  * The current state of the subnet.
  * @param state The current state of the subnet.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentySetterMethodName" : "withState",
"getterDocumentation" : "/**\n  * The current state of the subnet.
  * @return The current state of the subnet.
  * @see SubnetState*/",
"getterMethodName" : "getState",
"getterModel" : {
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  "documentation" : null
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  "isStreaming" : false,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false,
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"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n<p>The ID of the VPC the subnet is in.</p>\n@param vpcId The ID of the VPC the subnet is in.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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   "variableName" : "vpcId",
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   "simpleType" : "String",
   "variableSetterType" : "String"
}]
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the VPC the subnet is in.</p>\n@param vpcId The ID of the VPC the subnet is in.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "vpcId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the VPC the subnet is in.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
;
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR block assigned to the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.<p>
@param cidrBlock
@return Returns a reference to this object so that method calls can be chained together."*/,
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.<p>
@return The IPv4 CIDR block assigned to the subnet.<p>

The IPv4 CIDR block assigned to the subnet.<p>
@return Returns a reference to this object so that method calls can be chained together."*/,
"getterMethodName" : "getCidrBlock",
"getterModel" : {

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"documentation" : null
},
"http" : {

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"greedy" : false,
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"isStreaming" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.<p>
@param cidrBlock The IPv4 CIDR block assigned to the subnet.<p>
@return Returns a reference to this object so that method calls can be chained together."*/,
"setterMethodName" : "setCidrBlock",
"setterModel" : {

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"documentation" : 
", 
"simpleType" : "String",
"variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.<p>
@param cidrBlock The IPv4 CIDR block assigned to the subnet.<p>
@return Returns a reference to this object so that method calls can be chained together."*/,
"variable" : {

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"deprecated": false,
"documentation": "",
"enumType": null,
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@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "SubnetIpv6CidrBlockAssociation",
"documentation": null
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"additionalUnmarshallingPath": null,
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"isStreaming": false,
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"unmarshallLocationName": "item",
"uri": false
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"idempotencyToken": false,
"list": false,
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"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member
*/",
"setterMethodName": "setMember",
"setterModel": {
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"variableName": "member",
"variableType": "SubnetIpv6CidrBlockAssociation",
"documentation": "",
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"variableSetterType": "SubnetIpv6CidrBlockAssociation"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "SubnetIpv6CidrBlockAssociation",
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"variableSetterType": "SubnetIpv6CidrBlockAssociation"}
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"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "",
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"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
"templateType" : "java.util.List<SubnetIpv6CidrBlockAssociation>
",
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociationSet",
"setterDocumentation" : "/**
 \@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the
 subnet.*/",
"setterMethodName" : "setIpv6CidrBlockAssociationSet",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
 "variableName" : "ipv6CidrBlockAssociationSet",
 "variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
 "documentation" : "",
 "simpleType" : "List<SubnetIpv6CidrBlockAssociation>",
 "variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>
"
 },
"simple" : false,
"varargSetterDocumentation" : "/**
 \@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the
 subnet.*/

 NOTE: This method appends the values to the existing list (if any). Use { @link
 #setIpv6CidrBlockAssociationSet(java.util.Collection) or @link
 #withIpv6CidrBlockAssociationSet(java.util.Collection) if you want to override the existing values.} 

 @return

 Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
 "variableName" : "ipv6CidrBlockAssociationSet",
 "variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
 "documentation" : "Information about the IPv6 CIDR blocks associated with the subnet.

 */",
 "simpleType" : "List<SubnetIpv6CidrBlockAssociation>"}
"variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>"
},
"xmlNameSpaceUri" : null
",
"c2jName" : "AssignIpv6AddressOnCreation",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether a network interface created in this subnet (including a network interface created by &lt;a&gt;RunInstances&lt;/a&gt;) receives an IPv6 address.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by &lt;a&gt;RunInstances&lt;/a&gt;) receives an IPv6 address.&lt;/p&gt;
@returns {returns} Returns a reference to this object so that method calls can be chained together.*/&quot;
,
"fluentSetterMethodName" : "withAssignIpv6AddressOnCreation",
"getterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by &lt;a&gt;RunInstances&lt;/a&gt;) receives an IPv6 address.&lt;/p&gt;
@returns Indicates whether a network interface created in this subnet (including a network interface created by &lt;a&gt;RunInstances&lt;/a&gt;) receives an IPv6 address.*/&quot;
,
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"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssignIpv6AddressOnCreation",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "assignIpv6AddressOnCreation",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssignIpv6AddressOnCreation",
"setterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by &lt;a&gt;RunInstances&lt;/a&gt;) receives an IPv6 address.&lt;/p&gt;\n@returns Indicates whether a network interface created in this subnet (including a network interface created by &lt;a&gt;RunInstances&lt;/a&gt;) receives an IPv6 address.*/&quot;
assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by `RunInstances`) receives an IPv6 address.*/

"setterMethodName" : "setAssignIpv6AddressOnCreation",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "assignIpv6AddressOnCreation",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by `RunInstances`) receives an IPv6 address.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "assignIpv6AddressOnCreation",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether a network interface created in this subnet (including a network interface created by `RunInstances`) receives an IPv6 address.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null,
},
"c2jName" : "AvailableIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n@return The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getAvailableIpAddressCount",
"getterModel" : {
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  "documentation" : null
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"unmarshallLocationName" : "availableIpAddressCount",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableIpAddressCount",
"setterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>*/
@param availableIpAddressCount
The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.*/",
"setterMethodName" : "setAvailableIpAddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "availableIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>*/
@param availableIpAddressCount
The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Integer",
  "documentation" : "<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\</p>",
  "simpleType" : "Integer",
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{"xmlNameSpaceUri": null,
 "c2jName": "AvailabilityZone",
 "c2jShape": "String",
 "deprecated": false,
 "documentation": "<p>The Availability Zone of the subnet.</p>",
 "enumType": null,
 "fluentSetterDocumentation": "/**<p>The Availability Zone of the subnet.</p>@param availabilityZone The Availability Zone of the subnet.<br>@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName": "withAvailabilityZone",
 "getterDocumentation": "/**<p>The Availability Zone of the subnet.</p>@return The Availability Zone of the subnet.*/",
 "getterMethodName": "getAvailabilityZone",
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 "returnType": "String",
 "documentation": null
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 "list": false,
 "listModel": null,
 "map": false,
 "mapModel": null,
 "name": "AvailabilityZone",
 "setterDocumentation": "/**<p>The Availability Zone of the subnet.</p>@param availabilityZone The Availability Zone of the subnet.*/",
 "setterMethodName": "setAvailabilityZone",
 "setterModel": {
 "variableDeclarationType": "String",
 "variableName": "availabilityZone",
 "variableType": "String",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n* The Availability Zone of the subnet.
*\n* @param availabilityZone
* The Availability Zone of the subnet.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The Availability Zone of the subnet.</p>
  \n  @param availabilityZone
  \n  Returns a reference to this object so that method calls can be chained together.
  
  */",
  "xmlNameSpaceUri" : null
},
  "c2jName" : "DefaultForAz",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this is the default subnet for the Availability Zone.</p>
  \n  @param defaultForAz
  \n  Indicates whether this is the default subnet for the Availability Zone.
  \n  @return
  \n  Returns a reference to this object so that method calls can be chained together.
  
  */",
  "fluentSetterDocumentation" : "/**\n* Indicates whether this is the default subnet for the Availability Zone.
*\n* @param defaultForAz
* Indicates whether this is the default subnet for the Availability Zone.
*\n* @return
* Indicates whether this is the default subnet for the Availability Zone.
*\n* */",
  "fluentSetterMethodName" : "withDefaultForAz",
  "getterDocumentation" : "/**\n* Indicates whether this is the default subnet for the Availability Zone.
*\n* @return Indicates whether this is the default subnet for the Availability Zone.
*\n* */",
  "getterMethodName" : "getDefaultForAz",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "defaultForAz",
    "uri" : false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.*\n*/",
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"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
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@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
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"variableType": "Boolean",
"documentation": "<p>Indicates whether this is the default subnet for the Availability Zone.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "MapPublicIpOnLaunch",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
@param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName": "withMapPublicIpOnLaunch",
"getterDocumentation": "/**\n<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
@return Indicates whether instances launched in this subnet receive a public IPv4 address.\n*/",
"getterMethodName": "getMapPublicIpOnLaunch",
"getterModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
**Setter Documentation**

```java
/**
 * Indicates whether instances launched in this subnet receive a public IPv4 address.
 * @param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**Vararg Setter Documentation**

```java
/**
 * Indicates whether instances launched in this subnet receive a public IPv4 address.
 * @param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**XML Namespace URI**

null
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>
",
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>Any tags assigned to the subnet.</p>
@param tags Any tags assigned to the subnet.
*/",
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>
",
"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the subnet.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.</p>
@param tags Any tags assigned to the subnet.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "Any tags assigned to the subnet.",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>
",
"xmlNameSpaceUri": null
} },
"membersAsMap": {
  "AssignIpv6AddressOnCreation": {
    "c2jName": "AssignIpv6AddressOnCreation",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Indicates whether a network interface created in this subnet (including a network interface created by <a>RunInstances</a>) receives an IPv6 address.</p>",
    "enumType": null,
    "fluuentSetterDocumentation": "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by <a>RunInstances</a>) receives an IPv6 address.</p>
@param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by <a>RunInstances</a>) receives an IPv6 address.
"} //
interface created by \(<a>RunInstances</a>\) receives an IPv6 address.
\n@return Returns a reference to this object so that method calls can be chained together. */

"getterMethodName" : "getAssignIpv6AddressOnCreation",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssignIpv6AddressOnCreation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "assignIpv6AddressOnCreation",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssignIpv6AddressOnCreation",
"setterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by \(<a>RunInstances</a>\) receives an IPv6 address.</p>\n\n@return Indicates whether a network interface created in this subnet (including a network interface created by \(<a>RunInstances</a>\) receives an IPv6 address. */

"setterMethodName" : "setAssignIpv6AddressOnCreation",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "assignIpv6AddressOnCreation",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Indicates whether a network interface created in this subnet (including a network interface created by \(<a>RunInstances</a>\) receives an IPv6 address. */

"varargSetterMethodName" : "withAssignIpv6AddressOnCreation",
"varargSetterModel" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
a network interface created by `<a>RunInstances</a>` receives an IPv6 address.

@param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by `<a>RunInstances</a>`) receives an IPv6 address.

@return Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "assignIpv6AddressOnCreation",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether a network interface created in this subnet (including a network interface created by `<a>RunInstances</a>`) receives an IPv6 address.</p>
    "return" : {
        "variableDeclarationType" : "Boolean",
        "variableName" : "assignIpv6AddressOnCreation",
        "variableType" : "Boolean",
        "documentation" : "<p>Indicates whether a network interface created in this subnet (including a network interface created by `<a>RunInstances</a>`) receives an IPv6 address.</p>
        "@return\n        Returns a reference to this object so that method calls can be chained together."\n    },
    "AvailabilityZone" : {
        "c2jName" : "AvailabilityZone",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The Availability Zone of the subnet.</p>
        "return" : {
            "variableDeclarationType" : "String",
            "variableName" : "availabilityZone",
            "variableType" : "String",
            "documentation" : "<p>The Availability Zone of the subnet.</p>
            "@return\n            Returns a reference to this object so that method calls can be chained together."\n        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "AvailabilityZone",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "availabilityZone",
            "uri" : false,
            "idempotencyToken" : false,
```
AvailabilityZone

/**
 * The Availability Zone of the subnet.
 */

setterMethodName: "setAvailabilityZone",
setterModel: {
    variableDeclarationType: "String",
    variableName: "availabilityZone",
    variableType: "String",
    documentation: "",
    simpleType: "String",
    variableSetterType: "String"
},
simple: true,
varargSetterDocumentation: "/**
 * The Availability Zone of the subnet.
 */

variable: {
    variableDeclarationType: "String",
    variableName: "availabilityZone",
    variableType: "String",
    documentation: "The Availability Zone of the subnet.",
    simpleType: "String",
    variableSetterType: "String"
},

xmlNameSpaceUri: null,

AvailableIpAddressCount

c2jName: "AvailableIpAddressCount",
c2jShape: "Integer",
deprecated: false,
documentation: "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.

setterMethodName: "setAvailableIpAddressCount",
setterModel: {
    variableDeclarationType: "String",
    variableName: "availableIpAddressCount",
    variableType: "String",
    documentation: "The Availability Zone of the subnet.",
    simpleType: "String",
    variableSetterType: "String"
},

xmlNameSpaceUri: null,

"AvailableIpAddressCount": {
    "c2jName": "AvailableIpAddressCount",
    "c2jShape": "Integer",
    "deprecated": false,
    "documentation": "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
    "variableDeclarationType": "String",
    "variableName": "availableIpAddressCount",
    "variableType": "String",
    "documentation": "The Availability Zone of the subnet.",
    "simpleType": "String",
    "variableSetterType": "String"
},

"xmlNameSpaceUri": null,

"AvailableIpAddressCount": {
    "c2jName": "AvailableIpAddressCount",
    "c2jShape": "Integer",
    "deprecated": false,
    "documentation": "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
    "variableDeclarationType": "String",
    "variableName": "availableIpAddressCount",
    "variableType": "String",
    "documentation": "The Availability Zone of the subnet.",
    "simpleType": "String",
    "variableSetterType": "String"
},

"xmlNameSpaceUri": null,
"returnType" : "Integer",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailableIpAddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availableIpAddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableIpAddressCount",
"setterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the
IPv4 addresses for any stopped instances are considered unavailable.</p>*/
@param availableIpAddressCount The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.*",
"setterMethodName" : "setAvailableIpAddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "availableIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>*/
@param availableIpAddressCount The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.
@return Returns a reference to this object so that method calls can be chained together.*",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "availableIpAddressCount",
  "variableType" : "Integer",
  "documentation" : ""<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4
addresses for any stopped instances are considered unavailable.</p>"
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"CidrBlock" : {
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR block assigned to the subnet.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.</p>
@param cidrBlock
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.</p>
@return The IPv4 CIDR block assigned to the subnet.
@returns The IPv4 CIDR block assigned to the subnet.*/",
"getterMethodName" : "getCidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.</p>
@param cidrBlock
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
The IPv4 CIDR block assigned to the subnet.

```
@return
```

Returns a reference to this object so that method calls can be chained together.

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@param
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The IPv4 CIDR block assigned to the subnet.

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@method
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Returns a reference to this object so that method calls can be chained together.

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@method
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Returns a reference to this object so that method calls can be chained together.
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "defaultForAz",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DefaultForAz",
"setterDocumentation" : "/**<p>Indicates whether this is the default subnet for the Availability Zone.</p>
@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.*/",
"setterMethodName" : "setDefaultForAz",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "defaultForAz",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is the default subnet for the Availability Zone.</p>
@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "defaultForAz",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether this is the default subnet for the Availability Zone.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlockAssociationSet" : {
  "c2jName" : "Ipv6CidrBlockAssociationSet",
  "c2jShape" : "SubnetIpv6CidrBlockAssociationSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpv6CidrBlockAssociationSet",
  "getterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@return Information about the IPv6 CIDR blocks associated with the subnet.*/",}
"getterMethodName" : "getIpv6CidrBlockAssociationSet",
"getterModel" : {
    "returnType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlockAssociationSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlockAssociationSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "SubnetIpv6CidrBlockAssociation",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "SubnetIpv6CidrBlockAssociation",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableType": "SubnetIpv6CidrBlockAssociation",
  "documentation": "",
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  "variableSetterType": "SubnetIpv6CidrBlockAssociation"
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"simple": false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "",
  "simpleType": "SubnetIpv6CidrBlockAssociation",
  "variableSetterType": "SubnetIpv6CidrBlockAssociation"
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"xmlNameSpaceUri": null
],
"memberLocationName": "item",
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"map": false,
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"simple": false,
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"templateType": "java.util.List<SubnetIpv6CidrBlockAssociation>"}
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociationSet",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the subnet.*/",
"setterMethodName" : "setIpv6CidrBlockAssociationSet",
"setterModel" : {
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"variableName" : "ipv6CidrBlockAssociationSet",
"variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
"documentation" : "",
"simpleType" : "List<SubnetIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the subnet.*/",
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"variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
"documentation" : "Information about the IPv6 CIDR blocks associated with the subnet.",
"simpleType" : "List<SubnetIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>",
"xmlNameSpaceUri" : null
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"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
@param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMapPublicIpOnLaunch",
"getterDocumentation" : "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
@param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.*/
@return Indicates whether instances launched in this subnet receive a public IPv4 address.*/",
"getterMethodName" : "getMapPublicIpOnLaunch",
"getterModel" : {
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"xmlNameSpaceUri" : null
}
Indicates whether instances launched in this subnet receive a public IPv4 address.

**param** mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.**/

`@return` Returns a reference to this object so that method calls can be chained together.**/

```

```
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  "enumType" : "SubnetState",
  "fluentSetterDocumentation" : "/*\n**\n@param state The current state of the subnet.
@see SubnetState*/",
  "fluentSetterMethodName" : "withState",
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"variableSetterType" : "String"
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\n@return Returns a reference to this object so that method calls can be chained together.
\n@see SubnetState*/",
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  @return Returns a reference to this object so that method calls can be chained together.
  
  @see SubnetState*/",
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    "documentation" : "<p>The ID of the subnet.</p>
    
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    @return Returns a reference to this object so that method calls can be chained together.
    
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\n@return The ID of the subnet.
\n@see SubnetId*/",
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    "documentation": "Any tags assigned to the subnet.",
    "enumType": null,
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    "fluentSetterMethodName": "withTags",
    "getterDocumentation": "/**\n @return Any tags assigned to the subnet.*/",
    "getterMethodName": "getTags",
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        "documentation": null
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     * \n     * @param member \n     * \n     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
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"documentation" : "",
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"variableSetterType" : "Tag"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "Tag"
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"memberType" : "Tag",
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Tag>"
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"setterModel" : {
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"variableName" : "tags"
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"documentation": "",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "// <p>Any tags assigned to the subnet.</p>
// NOTE: This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.
// \n// @param tags Any tags assigned to the subnet.
// return Returns a reference to this object so that method calls can be chained together. */
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"variableType": "java.util.List<Tag>",
"documentation": "<p>The ID of the VPC the subnet is in.</p>",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>",
"xmlNameSpaceUri": null
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"VpcId": {
"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC the subnet is in.</p>",
"enumType": null,
"fluentSetterDocumentation": "/** <p>The ID of the VPC the subnet is in.</p>\n\n// @param vpcId The ID of the VPC the subnet is in.\n\n// return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/** <p>The ID of the VPC the subnet is in.</p>\n\n// @return The ID of the VPC the subnet is in. */

"getterMethodName": "getVpcId",
"getterModel": {

"returnType": "String",
"documentation": null
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"http": {

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"greedy": false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n\tThe ID of the VPC the subnet is in.<p>\n\t@param vpcId The ID of the VPC the subnet is in.\n\t@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"wrapper": false
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"SubnetCidrBlockState": {
"c2jName": "SubnetCidrBlockState",
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"skipGeneratingUnmarshaller": false
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"enums": null,
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"hasStatusCodeMember": false,
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"c2jShape": "SubnetCidrBlockStateCode",
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"documentation": "The state of a CIDR block.",
"enumType": "SubnetCidrBlockStateCode",
"fluentSetterDocumentation": "The state of a CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.\n@see SubnetCidrBlockStateCode*/",
"fluentSetterMethodName": "withState",
"getterDocumentation": "The state of a CIDR block.\n@return The state of a CIDR block.\n@see SubnetCidrBlockStateCode*/",
"getterMethodName": "getState",
"getterModel": {
"returnType": "String",
"documentation": null
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"isStreaming": false,
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"wrapper": false
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"statusCode": false,
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"uri": false
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"idempotencyToken": false,
"list": false,
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"map": false,
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@param state The state of a CIDR block.
@see SubnetCidrBlockStateCode*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param state The state of a CIDR block.
@return Returns a reference to this object so that method calls can be chained together.
@see SubnetCidrBlockStateCode*/",
"variable": {
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{  "c2jName": "StatusMessage",
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  "deprecated": false,
  "documentation": "<p>A message about the status of the CIDR block, if applicable.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
@see SubnetCidrBlockStateCode*/",
  "fluentSetterMethodName": "withStatusMessage",
  "getterDocumentation": "/**<p>A message about the status of the CIDR block, if applicable.</p>
@return A message about the status of the CIDR block, if applicable.
@see SubnetCidrBlockStateCode*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableSetterType" : "String"
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"simple" : true,

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@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",

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@returns Returns a reference to this object so that method calls can be chained together.*/",

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@returns Returns a reference to this object so that method calls can be chained together.*/",

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"variableSetterType" : "String"
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@param state The state of a CIDR block.
@return Returns a reference to this object so that method calls can be chained together.
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@param state The state of a CIDR block.
@return Returns a reference to this object so that method calls can be chained together.
@see SubnetCidrBlockStateCode*/",
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@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
@see SubnetCidrBlockStateCode*/",
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@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
@see SubnetCidrBlockStateCode*/",
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@return A message about the status of the CIDR block, if applicable.
@see SubnetCidrBlockStateCode*/",
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"variableSetterType" : "String"
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"variable" : {
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"documentation" : "A message about the status of the CIDR block, if applicable.\n",
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"variableSetterType" : "String"
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"required" : null,
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"resultWrapper" : null
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"documentation" : null,
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"variableSetterType": "SubnetCidrBlockState",
"wrapper": false
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"SubnetCidrBlockStateCode": {
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  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
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      "name": "Associating",
      "value": "associating"
    },
    {
      "name": "Associated",
      "value": "associated"
    },
    {
      "name": "Disassociating",
      "value": "disassociating"
    },
    {
      "name": "Disassociated",
      "value": "disassociated"
    },
    {
      "name": "Failing",
      "value": "failing"
    },
    {
      "name": "Failed",
      "value": "failed"
    }
  ],
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": {},
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "SubnetCidrBlockStateCode",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  }
}
"variable": {
"variableDeclarationType": "SubnetCidrBlockStateCode",
"variableName": "subnetCidrBlockStateCode",
"variableType": "SubnetCidrBlockStateCode",
"documentation": null,
"simpleType": "SubnetCidrBlockStateCode",
"variableSetterType": "SubnetCidrBlockStateCode"
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"wrapper": false,
"SubnetIpv6CidrBlockAssociation": {
"c2jName": "SubnetIpv6CidrBlockAssociation",
"customization": {
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes an IPv6 CIDR block associated with a subnet.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
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"c2jName": "Ipv6CidrBlock",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IPv6 CIDR block.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IPv6 CIDR block.</p>*/
@param ipv6CidrBlock The IPv6 CIDR block.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpv6CidrBlock",
"getterDocumentation": "/**<p>The IPv6 CIDR block.</p>*/
@return The IPv6 CIDR block.*/",
"getterMethodName": "getIpv6CidrBlock",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
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"fluentSetterMethodName" : "withIpv6CidrBlockState",
"getterDocumentation" : "/**\n<p>Information about the state of the CIDR block.</p>\n@return Information about the state of the CIDR block.*\n"",
"getterMethodName" : "getIpv6CidrBlockState",
"getterModel" : {
    "returnType" : "SubnetCidrBlockState",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlockState",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlockState",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockState",
"setterDocumentation" : "/**\n<p>Information about the state of the CIDR block.</p>\n@param \nipv6CidrBlockState Information about the state of the CIDR block.*\n",
"setterMethodName" : "setIpv6CidrBlockState",
"setterModel" : {
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    "variableName" : "ipv6CidrBlockState",
    "variableType" : "SubnetCidrBlockState",
    "documentation" : "",
    "simpleType" : "SubnetCidrBlockState",
    "variableSetterType" : "SubnetCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the state of the CIDR block.</p>\n@param \nipv6CidrBlockState Information about the state of the CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*\n",
"variable" : {
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    "variableName" : "ipv6CidrBlockState",
    "variableType" : "SubnetCidrBlockState",
    "emptyValue" : null
}
"documentation" : "<p>Information about the state of the CIDR block.</p>",
"simpleType" : "SubnetCidrBlockState",
"variableSetterType" : "SubnetCidrBlockState"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The association ID for the CIDR block.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association ID for the CIDR block.</p>
@param associationId The association ID for the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The association ID for the CIDR block.</p>
@return The association ID for the CIDR block.
*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The association ID for the CIDR block.</p>
@param associationId The association ID for the CIDR block.
*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
"variableDeclarationType" : "String",
"valueType" : "String"
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"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The association ID for the CIDR block.
 * @param associationId
 * The association ID for the CIDR block.
 * return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The association ID for the CIDR block.
  @param associationId
  The association ID for the CIDR block.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "The association ID for the CIDR block.
    @param associationId
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    @return Returns a reference to this object so that method calls can be chained together.*/",
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      The association ID for the CIDR block.
      @return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableType" : "String",
        "documentation" : "The association ID for the CIDR block.
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        @return Returns a reference to this object so that method calls can be chained together.*/",
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          "variableName" : "associationId",
          "variableType" : "String",
          "documentation" : "The association ID for the CIDR block.
          @param associationId
          The association ID for the CIDR block.
          @return Returns a reference to this object so that method calls can be chained together.*/
        }
      }
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**\n@param associationId The association ID for the CIDR block.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param associationId The association ID for the CIDR block.*/\n@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "The association ID for the CIDR block.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
"c2jName" : "Ipv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv6 CIDR block.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param ipv6CidrBlock The IPv6 CIDR block.*/\n@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "/**\n@returns The IPv6 CIDR block.*/",
"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : "}
"returnType" : "String",
"documentation" : null
],
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ipv6CidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "ipv6CidrBlock",
"variableType" : "String",
"documentation" : "<p>The IPv6 CIDR block.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
};
"Ipv6CidrBlockState" : {
  "c2jName" : "Ipv6CidrBlockState",
  "c2jShape" : "SubnetCidrBlockState",
  "deprecated" : false,
  "documentation" : "Information about the state of the CIDR block.",
  "enumType" : null,
  "fluentSetterDocumentation" : "Information about the state of the CIDR block.",
  "getterDocumentation" : "Information about the state of the CIDR block.",
  "getterMethodName" : "getIpv6CidrBlockState",
  "getterModel" : {
    "returnType" : "SubnetCidrBlockState",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlockState",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlockState",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Ipv6CidrBlockState",
  "setterDocumentation" : "Information about the state of the CIDR block.",
  "setterMethodName" : "setIpv6CidrBlockState",
  "setterModel" : {
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    "variableName" : "ipv6CidrBlockState",
    "variableType" : "SubnetCidrBlockState",
    "documentation" : "",
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    "variableSetterType" : "SubnetCidrBlockState"
"simple" : false,
"varargSetterDocumentation" : "/*\n   Information about the state of the CIDR block.\n*/\n   Information about the state of the CIDR block.\n   return\n   Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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   "variableName" : "ipv6CidrBlockState",
   "variableType" : "SubnetCidrBlockState",
   "documentation" : "Information about the state of the CIDR block.",
   "simpleType" : "SubnetCidrBlockState",
   "variableSetterType" : "SubnetCidrBlockState"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "SubnetIpv6CidrBlockAssociation",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
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   "variableName" : "subnetIpv6CidrBlockAssociation",
   "variableType" : "SubnetIpv6CidrBlockAssociation",
   "documentation" : null,
   "simpleType" : "SubnetIpv6CidrBlockAssociation",
   "variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"wrapper" : false
},
"SubnetState" : {
   "c2jName" : "SubnetState",
   "customization" : {
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      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "",
   "enums" : [ {
      "name" : "Pending",
      "value" : "pending"
   } ]}
"name" : "Available",
"value" : "available"
}
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SubnetState",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SubnetState",
  "variableName" : "subnetState",
  "variableType" : "SubnetState",
  "documentation" : null,
  "simpleType" : "SubnetState",
  "variableSetterType" : "SubnetState"
},
"wrapper" : false
},
"SummaryStatus" : {
  "c2jName" : "SummaryStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Ok",
    "value" : "ok"
  }, {
    "name" : "Impaired",
    "value" : "impaired"
  }, {
    "name" : "InsufficientData",
    "value" : "insufficient-data"}]}
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Key",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The key of the tag.
<p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code></p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The key of the tag.
<p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code></p>\n@param key The key of the tag.
\nConstraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKey",
"getterDocumentation" : "/**<p>The key of the tag.
<p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>\n\n@return The key of the tag.*/",
"getterMethodName" : "getKey",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Key",
"setterDocumentation" : "/**<p>The key of the tag.
<p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKey", Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 10212
begin with `<code>aws:</code>`/*

```
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\* The key of the tag.\n\* @param key The key of the tag.\n\* Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>\n\* \n\* @return Returns a reference to this object so that method calls can be chained together.*/
\n\*\n  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : "The key of the tag.\nConstraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>\n\n\*\n  "xmlNameSpaceUri" : null,
},
"c2jName" : "Value",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The value of the tag.\nConstraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.\n\n\*\n  "enumType" : null,
"fluentSetterDocumentation" : "/**\n\* The value of the tag.\n\* Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.\n\* \n\* @param value The value of the tag.\nConstraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.\n\* @return Returns a reference to this object so that method calls can be chained together.*/
\n\*\n  "fluendSetterMethodName" : "withValue",
"getterDocumentation" : "/**\n\* The value of the tag.\n\* Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.\n\* \n\* @return The value of the tag.\nConstraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.\n\*\n  "getterMethodName" : "getValue",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
```

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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>\n@param value The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>*/",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>\n@param value The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {

"Key" : {
  "c2jName" : "Key",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The key of the tag.
  Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>.
  
  "enumType" : null,
  "fluentSetterDocumentation" : "The key of the tag.
  Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>.
  
  @param key The key of the tag.
  Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  "fluentSetterMethodName" : "withKey",
  "getDocumentation" : "The key of the tag.
  Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>.
  
  @return The key of the tag.
  Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters.
  
  "getterMethodName" : "getKey",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Key",
  "setterDocumentation" : "The key of the tag.
  Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>.
  
  @param key The key of the tag.
  Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  "setterMethodName" : "setKey",  
}
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with `<code>aws:</code>`</p>
@param key The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with `<code>aws:</code>`
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "<p>The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with `<code>aws:</code>`",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Value": {
  "c2jName": "Value",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@param value The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withValue",
  "getterDocumentation": "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@return The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.*/",
  "getterMethodName": "getValue",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false,
"varargSetterDocumentation" : "<p>The value of the tag.</p>
<p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@param value The value of the tag.</p>
<p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@return Returns a reference to this object so that method calls can be chained together."

"setterDocumentation" : "<p>The value of the tag.</p>
<p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@param value The value of the tag.</p>
<p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>

"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The value of the tag.</p>
<p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@param value The value of the tag.</p>
<p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "The value of the tag.</p>
<p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Tag",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "tag",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"wrapper" : false
},
"TagDescription" : {
  "c2jName" : "TagDescription",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a tag.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ResourceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>\n@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withResourceId",
    "getterDocumentation" : "/*<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>\n@return The ID of the resource. For example, <code>ami-1a2b3c4d</code>*/",
    "getterMethodName" : "getResourceId",
    "getterModel" : {"resourceId" : null}
  }
},
"fluentSetterMethodNames" : [ "withResourceId" ],
"getterDocumentation" : "/*<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>\n@return The ID of the resource. For example, <code>ami-1a2b3c4d</code>*/
}
"returnType": "String",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ResourceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "resourceId",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ResourceId",
"setterDocumentation": "/**<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.*/",
"setterMethodName": "setResourceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "resourceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.*/
\n@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "resourceId",
  "variableType": "String",
  "documentation": "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.<p>
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri" : null
},
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"c2jName" : "ResourceType",
"c2jShape" : "ResourceType",
"deprecated" : false,
"documentation" : "<p>The resource type.</p>",
"enumType" : "ResourceType",
"fluentSetterDocumentation" : "/**<p>The resource type.</p>
@param resourceType The resource type.
@return Returns a reference to this object so that method calls can be chained together.
@see ResourceType*/",
"fluentSetterMethodName" : "withResourceType",
"getterDocumentation" : "/**<p>The resource type.</p>
@return The resource type.
@see ResourceType*/",
"getterMethodName" : "getResourceType",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "resourceType",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceType",
"setterDocumentation" : "/**<p>The resource type.</p>
@param resourceType The resource type.
@return Returns a reference to this object so that method calls can be chained together.
@see ResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
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    "variableName" : "resourceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**<p>The resource type.</p>
@param resourceType The resource type.
@return Returns a reference to this object so that method calls can be chained together.
@see ResourceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : "<p>The resource type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Key",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The tag key.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The tag key.</p>
@param key The tag key.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKey",
"getterDocumentation" : "/**<p>The tag key.</p>
@return The tag key.*/",
"getterMethodName" : "getKey",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Key",
"setterDocumentation" : "/**<p>The tag key.</p>\n@param key The tag key.*/",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tag key.</p>\n@param key The tag key.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "<p>The tag key.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jName" : "Value",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The tag value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The tag value.</p>\n@param value The tag value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withValue",
  "getterDocumentation" : "/**<p>The tag value.</p>\n@return The tag value.*/",
  "getterMethodName" : "getValue",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.*/",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "**<p>The tag value.</p>
@param value The tag value. This method returns a reference to this object so method calls can be chained together. */",
"variable" : {
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  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "<p>The tag value.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}],
"membersAsMap" : {
"Key" : {
  "c2jName" : "Key",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The tag key.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "**<p>The tag key.</p>
@param key The tag key. This method returns a reference to this object so method calls can be chained together. */",
  "fluentSetterMethodName" : "withKey",
  "getterDocumentation" : "**<p>The tag key.</p>
@return The tag key. */",
  "getMethodName" : "getKey",
  "getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "<p>The tag key.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"returnType" : "String",
"documentation" : null
},
"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Key",
"setterDocumentation" : "/**<p>The tag key.</p>
@param key The tag key.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tag key.</p>
@param key The tag key.
@returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "<p>The tag key.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ResourceId" : {
  "additionalMarshallingPath" : null,
  ...
"c2jName" : "ResourceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the resource. For example, <code>ami-1a2b3c4d</code>.",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the resource. For example, <code>ami-1a2b3c4d</code>.

**getterDocumentation**
"The ID of the resource. For example, <code>ami-1a2b3c4d</code>.

**setterDocumentation**
"The ID of the resource. For example, <code>ami-1a2b3c4d</code>.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ResourceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "resourceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceId",
"setterDocumentation" : "The ID of the resource. For example, <code>ami-1a2b3c4d</code>.

**getterDocumentation**
"The ID of the resource. For example, <code>ami-1a2b3c4d</code>.

**setterDocumentation**
"The ID of the resource. For example, <code>ami-1a2b3c4d</code>.

"setterModel" : {
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  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/*\p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.\p@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.\p@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
  "variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"ResourceType" : {
  "c2jName" : "ResourceType",
  "c2jShape" : "ResourceType",
  "deprecated" : false,
  "documentation" : "<p>The resource type.</p>
  "enumType" : "ResourceType",
  "fluentSetterDocumentation" : "/*\p>The resource type.\p@param resourceType The resource type.\p@return Returns a reference to this object so that method calls can be chained together.\p@see ResourceType*/",
  "fluentSetterMethodName" : "withResourceType",
  "getterDocumentation" : "/*\p>The resource type.\p@return The resource type.\p@see ResourceType*/",
  "getterMethodName" : "getResourceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "resourceType",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceType",
"setterDocumentation" : "/**<p>The resource type.</p>
@param resourceType The resource type.
@see ResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The resource type.</p>
@param resourceType The resource type.
@return Returns a reference to this object so that method calls can be chained together.
@see ResourceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : "<p>The resource type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Value" : {
  "c2jName" : "Value",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The tag value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.
@see Value*/",
  "fluentSetterMethodName" : "withValue",
  "getterDocumentation" : "/**<p>The tag value.</p>
@return The tag value.
@see Value*/",
  "getterMethodName" : "getValue",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "additionalMarshallingOverride" : null,
    "additionalUnmarshallingOverride" : null,
    "additionalMarshallingTargetURITY" : null,
    "additionalUnmarshallingTargetURITY" : null
  },
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "additionalMarshallingOverride" : null,
  "additionalUnmarshallingOverride" : null,
  "additionalMarshallingTargetURITY" : null,
  "additionalUnmarshallingTargetURITY" : null
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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  "documentation" : null,
  "simpleType" : "TagDescription",
  "variableSetterType" : "TagDescription"
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that
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This parameter is reserved and cannot be specified in a request.

```
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  "unmarshallLocationName" : "instanceCount",
  "uri" : false
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"variableSetterType" : "Integer"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>
@param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request
@return The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/",
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The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.<p>@param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.<p>@return Returns a reference to this object so that method calls can be chained together.<p>

The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.<p>

The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.<p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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    "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
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    "resultWrapper" : null
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    "variableType" : "TargetConfiguration",
    "documentation" : null,
    "simpleType" : "TargetConfiguration",
    "variableSetterType" : "TargetConfiguration"
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 @return The Convertible Reserved Instance offering ID.</@return> Returns a reference to this object so that method calls can be chained together.*/",
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
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 "isStreaming" : false,
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  "variableSetterType": "Integer"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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}].
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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 "getterDocumentation" : "/**
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 * @return The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceCount",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "InstanceCount",
 "setterDocumentation" : "/**
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 * @param instanceCount The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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    \n    @return Returns a reference to this object so that method calls can be chained together.
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        \n        @return Returns a reference to this object so that method calls can be chained together.
        ",
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        \n        @param instanceCount The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.
        \n        @return Returns a reference to this object so that method calls can be chained together.
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            "variableType": "Integer",
            "documentation": "The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.
            \n            @param instanceCount The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.
            \n            @return Returns a reference to this object so that method calls can be chained together.
            "
        }
    }
}
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
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setterMethodSignature = "setOfferingId",
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"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId
varargSetterSignature = "setOfferingId The Convertible Reserved Instance offering ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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"variableType" : "TargetConfigurationRequest",
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"variableSetterType" : "TargetConfigurationRequest",
},
"wrapper" : false
},
"TargetReservationValue" : {
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
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"c2jShape" : "TargetConfiguration",
"deprecated" : false,
"documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>
@param targetConfiguration The configuration of the Convertible Reserved Instances that make up the exchange.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTargetConfiguration",
"getterDocumentation" : "/** <p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>
@return The configuration of the Convertible Reserved Instances that make up the exchange.
*/",
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"getterModel" : {
"returnType" : "TargetConfiguration",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetConfiguration",
"uri" : false,
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetConfiguration",
"setterDocumentation" : "/**<p>The configuration of the Convertible Reserved Instances that make up the
exchange.</p>@param targetConfiguration The configuration of the Convertible Reserved Instances that make up
the exchange.*/",
"setterMethodName" : "setTargetConfiguration",
"setterModel" : {
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  "variableName" : "targetConfiguration",
  "variableType" : "TargetConfiguration",
  "documentation" : "",
  "simpleType" : "TargetConfiguration",
  "variableSetterType" : "TargetConfiguration"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration of the Convertible Reserved Instances that make up the
exchange.</p>@param targetConfiguration The configuration of the Convertible Reserved Instances that
make up the exchange.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "TargetConfiguration",
  "variableName" : "targetConfiguration",
  "variableType" : "TargetConfiguration",
  "documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the
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  "simpleType" : "TargetConfiguration",
  "variableSetterType" : "TargetConfiguration"
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}, {
  "c2jName" : "ReservationValue",
  "c2jShape" : "ReservationValue",
  "deprecated" : false,
  "documentation" : "<p>The total value of the Convertible Reserved Instances that make up the exchange. This
is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the
exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the
exchange.</p>@param reservationValue The total value of the Convertible Reserved Instances that make up the
exchange.*/",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
},
"xmlNameSpaceUri" : null
}
exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. \n@return Returns a reference to this object so that method calls can be chained together. */

    "fluentSetterMethodName" : "withReservationValue",
    "getterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the
exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the
exchange.</p>\n@returns The total value of the Convertible Reserved Instances that make up the exchange. This is
the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. */",

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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservationValue",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservationValue",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ReservationValue",
    "setterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the
exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the
exchange.</p>\n@param reservationValue The total value of the Convertible Reserved Instances that make up the
exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. */",

    "setterMethodName" : "setReservationValue",
    "setterModel" : {
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      "variableName" : "reservationValue",
      "variableType" : "ReservationValue",
      "documentation" : "",
      "simpleType" : "ReservationValue",
      "variableSetterType" : "ReservationValue"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the
exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.

```java
@Param reservationValue The total value of the Convertible Reserved Instances that make up the exchange.
```

```java
@return Returns a reference to this object so that method calls can be chained together.*
```

```java
    "variable" : {
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            "variableType" : "ReservationValue",
            "documentation" : "The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.

            "simpleType" : "ReservationValue",
            "variableSetterType" : "ReservationValue"
    },
    "xmlNameSpaceUri" : null
} ]

"membersAsMap" : {
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        "c2jShape" : "ReservationValue",
        "deprecated" : false,
        "documentation" : "The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.

        "enumType" : null,
        "fluentSetterDocumentation" : "The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.

        "fluentSetterMethodName" : "withReservationValue",
        "getterDocumentation" : "The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.

        "getMethodName" : "getReservationValue",
        "getModel" : {
            "returnType" : "ReservationValue",
            "documentation" : null
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        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "ReservationValue",
```
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservationValue",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservationValue",
"setterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>*/
@param reservationValue The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservationValue",
"setterModel" : {
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  "variableName" : "reservationValue",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>*/
@param reservationValue The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.
<sp>"",
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  "variableSetterType" : "ReservationValue"
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  "c2jShape" : "TargetConfiguration",
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  "documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>",
  "enumType" : null,
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  "variableName" : "targetConfiguration",
  "variableType" : "TargetConfiguration",
  "documentation" : "The configuration of the Convertible Reserved Instances that make up the exchange.\n"",
  "simpleType" : "TargetConfiguration",
  "variableSetterType" : "TargetConfiguration"
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"xmlNameSpaceUri" : null
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  "variableType" : "TargetReservationValue",
  "documentation" : null,
  "simpleType" : "TargetReservationValue",
  "variableSetterType" : "TargetReservationValue"
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "documentation" : "",
  "enums" : [ {
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    "value" : "UP"
  }, {
    "name" : "DOWN",
    "value" : "DOWN"
  } ],
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  "errorDescription": null,
  "errorId": null,
  "errorRequestMethod": null,
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  "errorType": null,
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  "isServerException": false,
  "message": "",
  "operation": null,
  "parameters": null,
  "response": null,
  "status": null,
  "statusCode": null,
  "trace": null
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "telemetryStatus",
  "variableType" : "TelemetryStatus",
  "documentation" : null,
  "simpleType" : "TelemetryStatus",
  "variableSetterType" : "TelemetryStatus"
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"wrapper" : false
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"Tenancy" : {
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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "documentation" : "",
  "enums" : [ { "name" : "Default", "value" : "default" }, { "name" : "Dedicated", "value" : "dedicated" }, { "name" : "Host", "value" : "host" } ],
  "errorCode" : null,
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  "hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableType" : "Tenancy",
  "documentation" : null,
  "simpleType" : "Tenancy",
  "variableSetterType" : "Tenancy"
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    "skipGeneratingUnmarshaller" : false
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  "documentation" : "<p>Contains the parameters for TerminateInstances.</p>",
  "enums" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
"c2jName" : "InstanceIds",
"c2jShape" : "InstanceIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p><@param instanceIds One or more instance IDs.</p><@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceIds",
"getterDocumentation" : "/**<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p><@return One or more instance IDs.</p>",
"getterMethodName" : "getInstanceIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
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"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
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"getterDocumentation" : "/**\n@return */",
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  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
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"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Member",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.}
"xmlNameSpaceUri": null,
},
"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
},
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@param instanceIds One or more instance IDs.</p>
<p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.*/",
"setterMethodName": "setInstanceIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInstanceIds(java.util.Collection) } or { @link #withInstanceIds(java.util.Collection) } if you want to override the existing values.</p> 
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p> 

"simple": true,
"simpleType": "String",
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"templateType": "java.util.List<String>",
},
"xmlNameSpaceUri": null
]}
"membersAsMap": {

"InstanceIds": {
  "c2jName": "InstanceIds",
  "c2jShape": "InstanceIdStringList",
  "deprecated": false,
  "documentation": "<p>One or more instance IDs.</p> Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.<p>
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more instance IDs.</p><p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p><p>@param instanceIds One or more instance IDs.</p><p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "getterDocumentation": "/**<p>One or more instance IDs.</p><p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p><p>@return One or more instance IDs.</p><p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>*/",
  "getterMethodName": "getInstanceIds",
  "getterModel": {
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    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "InstanceId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "InstanceId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/**\n @param member
 @return Returns a reference to this object so that method calls can be chained together.*/",
    }
  }
}
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
 * @return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceId",
 "uri" : false
},
"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that
 method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that
 method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
"xmlNameSpaceUri" : null
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"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches. */",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches. */<p><h3><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #getInstanceIds(java.util.Collection) } or { @link #withInstanceIds(java.util.Collection) } if you want to override the existing values. <p>@param instanceIds One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches. @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
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"simple" : false,
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"uri": false
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"idempotencyToken": false,
"list": false,
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"map": false,
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"name": "Member",
"setterDocumentation": "/**
@param member */",
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"setterModel": {
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"variableName": "member",
"variableType": "InstanceStateChange",
"documentation": "",
"simpleType": "InstanceStateChange",
"variableSetterType": "InstanceStateChange"
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"simple": false,
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@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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"variableDeclarationType": "InstanceStateChange",
"variableName": "member",
"variableType": "InstanceStateChange",
"documentation": "",
"simpleType": "InstanceStateChange",
"variableSetterType": "InstanceStateChange"
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"sendEmptyQueryString": false,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"templateType": "java.util.List<InstanceStateChange>"
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"map": false,
"mapModel": null,
"name": "TerminatingInstances"
"setterDocumentation" : "/**<p>Information about one or more terminated instances.</p>
@param
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"setterMethodName" : "setTerminatingInstances",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
 "variableName" : "terminatingInstances",
 "variableType" : "java.util.List<InstanceStateChange>",
 "documentation" : "",
 "simpleType" : "List<InstanceStateChange>",
 "variableSetterType" : "java.util.Collection<InstanceStateChange>"
 },
 "simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more terminated instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
#setTerminatingInstances(java.util.Collection)} or { @link 
#withTerminatingInstances(java.util.Collection)} if you
want to override the existing values.</p>
@param terminatingInstances Information about one or more terminated instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
 "variableName" : "terminatingInstances",
 "variableType" : "java.util.List<InstanceStateChange>",
 "documentation" : "<p>Information about one or more terminated instances.</p>",
 "simpleType" : "List<InstanceStateChange>",
 "variableSetterType" : "java.util.Collection<InstanceStateChange>"
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 "xmlNameSpaceUri" : null
 } ],
"membersAsMap" : {
 "TerminatingInstances" : {
 "c2jName" : "TerminatingInstances",
 "c2jShape" : "InstanceStateChangeList",
 "deprecated" : false,
 "documentation" : "<p>Information about one or more terminated instances.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Information about one or more terminated instances.</p>
@param
terminatingInstances Information about one or more terminated instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withTerminatingInstances",
 "getterDocumentation" : "/**<p>Information about one or more terminated instances.</p>
@return
Information about one or more terminated instances.*/",
 "getterMethodName" : "getTerminatingInstances",
 "getterModel" : {
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 "documentation" : null
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 "http" : {
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "instancesSet",
"uri" : false
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"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceStateChange",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * @param member
 * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
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"setterModel": {
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  "variableName": "member",
  "variableType": "InstanceStateChange",
  "documentation": "",
  "simpleType": "InstanceStateChange",
  "variableSetterType": "InstanceStateChange"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "InstanceStateChange",
  "documentation": "",
  "simpleType": "InstanceStateChange",
  "variableSetterType": "InstanceStateChange"
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceStateChange",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"templateType": "java.util.List<InstanceStateChange>"
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"map": false,
"mapModel": null,
"name": "TerminatingInstances",
"setterDocumentation": "/**\n<p>Information about one or more terminated instances.</p>
@param terminatingInstances Information about one or more terminated instances.*/",
"setterMethodName": "setTerminatingInstances",
"setterModel": {
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  "variableName": "member",
  "variableType": "InstanceStateChange",
  "documentation": "",
  "simpleType": "InstanceStateChange",
  "variableSetterType": "InstanceStateChange"
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"simple": false,
"variableName" : "terminatingInstances",
"variableType" : "java.util.List<InstanceStateChange>",
"documentation" : "",
"simpleType" : "List<InstanceStateChange>",
"variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more terminated
instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setTerminatingInstances(java.util.Collection)} or {@link #withTerminatingInstances(java.util.Collection)} if you
want to override the existing values.</p>
@param terminatingInstances Information about one or more terminated
instances.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"variableName" : "terminatingInstances",
"variableType" : "java.util.List<InstanceStateChange>",
"documentation" : "Information about one or more terminated instances.,
"simpleType" : "List<InstanceStateChange>",
"variableSetterType" : "java.util.Collection<InstanceStateChange>"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
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"variableName" : "terminateInstancesResult",
"variableType" : "TerminateInstancesResult",
"documentation" : null,
"simpleType" : "TerminateInstancesResult",
"variableSetterType" : "TerminateInstancesResult"
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"wrapper" : false
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"TrafficType" : {
"c2jName" : "TrafficType",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlnsSpaceUri": null
},
"members": [
  {
    "c2jName": "NetworkInterfaceId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the network interface.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the network interface.</p>
@<span class="param">networkInterfaceId</span> The ID of the network interface.</span>

@<span class="return">The ID of the network interface.</p>*/",
    "getterDocumentation": "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.</p>*/",
    "getterMethodName": "getNetworkInterfaceId",
    "getterModel": {
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      "documentation": null
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "networkInterfaceId",
      "uri": false
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    "idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.</p>*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "networkInterfaceId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@n@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "networkInterfaceId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the network interface.</p>
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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"c2jName" : "Ipv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses to unassign from the network interface.</p>
", "simpleType" : "String",
"variableSetterType" : "String"
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"fluentSetterDocumentation" : "/**<p>The IPv6 addresses to unassign from the network
interface.</p>@n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**<p>The IPv6 addresses to unassign from the network interface.</p>@n@return The IPv6 addresses to unassign from the network interface.</p>*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
   "returnType" : "java.util.List<String>",
   "documentation" : null
},
"http" : {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6Addresses",
"uri": false
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"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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  }
}
"idempotencyToken": false,
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"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargsSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Ipv6Addresses",
"setterDocumentation": "/**\nThe IPv6 addresses to unassign from the network interface.\n\n@param ipv6Addresses The IPv6 addresses to unassign from the network interface.*/",
"setterMethodName": "setIpv6Addresses",
"setterModel": {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 addresses to unassign from the network interface. </p><p>NOTE: </p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values. </p><p>\n@returns Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IPv6 addresses to unassign from the network interface.</p>

\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"variableAsMap" : { "Ipv6Addresses" : { "c2jName" : "Ipv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses to unassign from the network interface.</p>

\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 addresses to unassign from the network interface. </p><p>NOTE: </p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values. </p><p>\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"gettersetters" : { "getterDocumentation" : "/**<p>The IPv6 addresses to unassign from the network interface. </p><p>NOTE: </p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values. </p><p>\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"getterMethod" : { "returnType" : "java.util.List<String>",
"documentation" : null }
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"header" : false,
"isPayload" : false,
name": "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**\n<p>The IPv6 addresses to unassign from the network interface.</p>
@param ipv6Addresses The IPv6 addresses to unassign from the network interface.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>"
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n*p>The IPv6 addresses to unassign from the network interface.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p>\n*\n@** The IPv6 addresses to unassign from the network interface.\n*\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IPv6 addresses to unassign from the network interface.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n*\n@<p>The ID of the network interface.</p>\n*\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**\n<p>The ID of the network interface.</p>\n*\n@return The ID of the network interface.*\n*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId"
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId
The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId", "Ipv6Addresses" ],
"shapeName" : "UnassignIpv6AddressesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "UnassignIpv6AddressesRequest",
"variableName" : "unassignIpv6AddressesRequest",
"variableType" : "UnassignIpv6AddressesRequest",
"documentation" : null,
"simpleType" : "UnassignIpv6AddressesRequest",
"variableSetterType" : "UnassignIpv6AddressesRequest"
},
"wrapper" : false
"UnassignIpv6AddressesResult" : {
    "c2jName" : "UnassignIpv6AddressesResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : null,
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    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
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            "c2jName" : "NetworkInterfaceId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the network interface.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>*\n@returns <code>networkInterfaceId</code> The ID of the network interface.
@<p>Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withNetworkInterfaceId",
            "getterDocumentation" : "/**<p>The ID of the network interface.</p>*\n@returns <code>getNetworkInterfaceId</code> The ID of the network interface.
@<p>Returns a reference to this object so that method calls can be chained together.*/",
            "getterMethodName" : "getNetworkInterfaceId",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocationName" : "NetworkInterfaceId",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "networkInterfaceId",
            }
        }
    ]
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/
setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UnassignedIpv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses that have been unassigned from the network interface.</p>
"complexType" : "String",
"variableSetterType" : "String"
},
"fluentSetterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>
@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/
fluuentSetterMethodName" : "withUnassignedIpv6Addresses",
"getterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>
@return The IPv6 addresses that have been unassigned from the network interface.*/
getterMethodName" : "getUnassignedIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "UnassignedIpv6Addresses",
"setterDocumentation" : "/**\n<p>The IPv6 addresses that have been unassigned from the network

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interface.</p>
@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.*/

"setterMethodName" : "setUnassignedIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "unassignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setUnassignedIpv6Addresses(java.util.Collection)} or {@link #withUnassignedIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p><p>Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "unassignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IPv6 addresses that have been unassigned from the network interface.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "NetworkInterfaceId" : {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the network interface.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p><p>Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "/**<p>The ID of the network interface.</p><p>\n@return The ID of the network interface.\n*/",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
    }
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UnassignedIpv6Addresses" : {
"c2jName" : "UnassignedIpv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses that have been unassigned from the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.\n@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnassignedIpv6Addresses",
"getterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>
@return The IPv6 addresses that have been unassigned from the network interface.*/",
"getterMethodName" : "getUnassignedIpv6Addresses",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UnassignedIpv6Addresses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "unassignedIpv6Addresses",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryPath" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "UnassignedIpv6Addresses",
"setterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>
@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.*/",
"setterMethodName" : "setUnassignedIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "unassignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",

  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>
   <b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link 
   #setUnassignedIpv6Addresses(java.util.Collection)} or {@link 
   #withUnassignedIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p>
   @param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.
   @return Returns a reference to this object so that method calls can be chained together.*/",

  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "unassignedIpv6Addresses",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IPv6 addresses that have been unassigned from the network interface.</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",

    "xmlNameSpaceUri" : null
  }
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "UnassignIpv6AddressesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
"variable" : {  
  "variableDeclarationType" : "UnassignIpv6AddressesResult",
  "variableName" : "unassignIpv6AddressesResult",
  "variableType" : "UnassignIpv6AddressesResult",
  "documentation" : null,
  "simpleType" : "UnassignIpv6AddressesResult",
  "variableSetterType" : "UnassignIpv6AddressesResult"
},
"wrapper" : false
},
"UnassignPrivateIpAddressesRequest" : {
  "c2jName" : "UnassignPrivateIpAddressesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for UnassignPrivateIpAddresses.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "UnassignPrivateIpAddresses",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    { 
      "c2jName" : "NetworkInterfaceId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the network interface.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
*\@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withNetworkInterfaceId",
      "getterDocumentation" : "/**<p>The ID of the network interface.</p>
*\@return The ID of the network interface.
*\@param networkInterfaceId The ID of the network interface.
*\@return Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName" : "getNetworkInterfaceId",
      "getterParameterName" : "networkInterfaceId",
      "isEnum" : false,
      "location" : "query",
      "locationName" : "NetworkInterfaceId",
      "locationPath" : null,
      "name" : "NetworkInterfaceId",
      "nameLocation" : "NetworkInterfaceId",
      "requestLocation" : "NetworkInterfaceId",
      "returnsLocation" : "NetworkInterfaceId",
      "scope" : "input",
      "simpleType" : null,
      "type" : "NetworkInterfaceId",
      "unmarshallerTypeLocation" : "NetworkInterfaceId",
      "wrapperName" : "NetworkInterfaceId",
      "wrapperType" : null
    }
  ]
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n * The ID of the network interface.</p>\n * \n * @param networkInterfaceId The ID of the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the network interface.</p>\n * \n * @param networkInterfaceId The ID of the network interface.</p>\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the network interface.</p>\n * \n * @param networkInterfaceId The ID of the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.*/","variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the network interface.</p>\n * \n * @param networkInterfaceId The ID of the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.*/"}
The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.

```java
privateIpAddresses = ["ip1", "ip2", "ip3"];
```

Returns a reference to this object so that method calls can be chained together.

```java
getPrivateIpAddresses();
```

You can specify this option multiple times to unassign more than one IP address.
"enumType": null,
"fluentSetterDocumentation": "/*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/*\n@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PrivateIpAddress",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "PrivateIpAddress",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "simple": true,
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "PrivateIpAddress",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : ""/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>@param privateIpAddresses The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address. */",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : ""/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>

Note: This method appends the values to the existing list (if any). Use {@link #setPrivateIpAddresses(java.util.Collection)} or {@link #withPrivateIpAddresses(java.util.Collection)} if you want to override the existing values.*/

@returns Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
"multipartBodyContent" : ",
  "multipartBodyName" : "CustomActionDetails"
},
"name" : "MultiPartBodyContent",
"complexType" : "MultiPartBodyContent",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "java.util.Collection<String>"}
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlnsSpaceUri": null
] ]
,"membersAsMap": {
"NetworkInterfaceId": {
"c2jName": "NetworkInterfaceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/** <p>The ID of the network interface.</p>\n* @param networkInterfaceId The ID of the network interface.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "/** <p>The ID of the network interface.</p>\n* @return The ID of the network interface.*/",
"getterMethodName": "getNetworkInterfaceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/** <p>The ID of the network interface.</p>\n* @param networkInterfaceId The ID of the network interface.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {"simpleType": "List<String>"}
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId
The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"PrivateIpAddresses" : {
"c2jName" : "PrivateIpAddresses",
"c2jShape" : "PrivateIpAddressStringList",
"deprecated" : false,
"documentation" : "<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>
@param privateIpAddresses The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>
@return The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.*/",
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"http" : {
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"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "PrivateIpAddress",
"uri": false,

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"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
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    "header": false,
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    "uri": false,
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
"map" : false,
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"name" : "Member",
"setterDocumentation" : "/**
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"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PrivateIpAddress",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : "PrivateIpAddress",
"memberType" : "String",
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>""}
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use{@link #setPrivateIpAddresses(java.util.Collection)} or {@link #withPrivateIpAddresses(java.util.Collection)} if you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<String>",
"documentation" : "The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId", "PrivateIpAddresses" ],
"shapeName" : "UnassignPrivateIpAddressesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "UnassignPrivateIpAddressesRequest",
"variableName" : "unassignPrivateIpAddressesRequest",
"variableType" : "UnassignPrivateIpAddressesRequest",
"documentation" : null,
"simpleType" : "UnassignPrivateIpAddressesRequest",
"variableSetterType" : "UnassignPrivateIpAddressesRequest"
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"wrapper" : false
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"UnassignPrivateIpAddressesResult" : {
"c2jName" : "UnassignPrivateIpAddressesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UnassignPrivateIpAddressesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "UnassignPrivateIpAddressesResult",
  "variableName" : "unassignPrivateIpAddressesResult",
  "variableType" : "UnassignPrivateIpAddressesResult",
  "documentation" : null,
  "simpleType" : "UnassignPrivateIpAddressesResult",
  "variableSetterType" : "UnassignPrivateIpAddressesResult"
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"wrapper" : false,
"UnmonitorInstancesRequest" : {
  "c2jName" : "UnmonitorInstancesRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for UnmonitorInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "UnmonitorInstances",
  }
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"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null,
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"members": [
  {"c2jName": "InstanceIds",
   "c2jShape": "InstanceIdStringList",
   "deprecated": false,
   "documentation": "<p>One or more instance IDs.</p>",
   "enumType": null,
   "fluentSetterDocumentation": "/**<p>One or more instance IDs.</p>
   @param instanceIds One or more instance IDs.
   @return Returns a reference to this object so that method calls can be chained together. */",
   "fluentSetterMethodName": "withInstanceIds",
   "getterDocumentation": "/**<p>One or more instance IDs.</p>
   @return One or more instance IDs.</p>",
   "getterMethodName": "getInstanceIds",
   "getterModel": {
     "returnType": "java.util.List<String>",
     "documentation": null
   }
  },
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceId",
  "uri": false
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"idempotencyToken": false,

"list": true,

"listModel": {
  "implType": "com.amazonaws.bridge.SdkVectorJavaList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n   @param member \n   @return Returns a reference to this object so that"
'method calls can be chained together.*/
}
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>
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"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance
IDs.*\*/",
"setterMethodName" : "getInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs.</p>

@see \(\text{@link #getInstanceIds(java.util.Collection)}\) or \(\text{@link
\#withInstanceIds(java.util.Collection)}\) if you want to override the
existing values.\*/
@param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
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  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more instance IDs.\n",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
}]
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  "c2jName" : "InstanceId",
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"c2jShape" : "InstanceIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more instance IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceIds",
"getterDocumentation" : "/**<p>One or more instance IDs.</p>
@return One or more instance IDs.*/",
"getterMethodName" : "getInstanceIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "unmarshallLocationName" : "InstanceId",
  "uri" : false
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : 
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceId",
  "uri": false
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"listModel": null,
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"mapModel": null,
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"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
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"templateType": "java.util.List<String>"
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"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**
@p One or more instance IDs.
@n @param instanceIds One or more instance IDs. */",
"setterMethodName": "setInstanceIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
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"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**
@p One or more instance IDs.
@n @param instanceIds One or more instance IDs.
@n @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "One or more instance IDs. */",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "InstanceIds" ],
"shapeName": "UnmonitorInstancesRequest",
"unmarshaller": null,
"variable": {
"variableDeclarationType": "UnmonitorInstancesRequest",
"variableName": "unmonitorInstancesRequest",
"variableType": "UnmonitorInstancesRequest",
"documentation": null,
"simpleType" : "UnmonitorInstancesRequest",
"variableSetterType" : "UnmonitorInstancesRequest"
},
"wrapper" : false
},
"UnmonitorInstancesResult" : {
"c2jName" : "UnmonitorInstancesResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the output of UnmonitorInstances.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
 "c2jName" : "InstanceMonitorings",
 "c2jShape" : "InstanceMonitoringList",
 "deprecated" : false,
 "documentation" : "<p>The monitoring information.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The monitoring information.</p>
 @param instanceMonitorings The monitoring information.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withInstanceMonitorings",
 "getterDocumentation" : "/**<p>The monitoring information.</p>
 @return The monitoring information.*/",
 "getterMethodName" : "getInstanceMonitorings",
 "getterModel" : { 
 "returnType" : "java.util.List<InstanceMonitoring>",
 "documentation" : null 
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 "http" : { 
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstancesSet",}
"setterModel" : {
    "variableDeclarationType" : "InstanceMonitoring",
    "variableName" : "member",
    "variableType" : "InstanceMonitoring",
    "documentation" : "",
    "simpleType" : "InstanceMonitoring",
    "variableSetterType" : "InstanceMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "InstanceMonitoring",
    "variableName" : "member",
    "variableType" : "InstanceMonitoring",
    "documentation" : "",
    "simpleType" : "InstanceMonitoring",
    "variableSetterType" : "InstanceMonitoring"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceMonitoring",
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceMonitoring",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
"templateType" : "java.util.List<InstanceMonitoring>",
"map" : false,
"mapModel" : null,
"name" : "InstanceMonitorings",
"setterDocumentation" : "/**
@param instanceMonitorings The
monitoring information.*/",
"setterMethodName" : "setInstanceMonitorings",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
    "variableName" : "instanceMonitorings",
    "variableType" : "java.util.List<InstanceMonitoring>",
    "documentation" : "",
    "simpleType" : "List<InstanceMonitoring>",
    "variableSetterType" : "java.util.Collection<InstanceMonitoring>",
},
"varargSetterDocumentation": "**\<\p\>\b\>NOTE:\</b\> This method appends the values to the existing list (if any). Use \{@link \#setInstanceMonitorings(java.util.Collection)\} or \{@link \#withInstanceMonitorings(java.util.Collection)\} if you want to override the existing values.\</p\>\n@param instanceMonitorings The monitoring information.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>\", "variableName": "instanceMonitorings",
"variableType": "java.util.List<InstanceMonitoring>\",
"documentation": "\<\p\>\nThe monitoring information.\</p\>", "simpleType": "List<InstanceMonitoring>\",
"variableSetterType": "java.util.Collection<InstanceMonitoring>\"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
"InstanceMonitorings": {
"c2jName": "InstanceMonitorings",
"c2jShape": "InstanceMonitoringList",
"deprecated": false,
"documentation": "\<\p\>\nThe monitoring information.\</p\>",
"enumType": null,
"fluentSetterDocumentation": "\<\p\>\nThe monitoring information.\</p\>\n@param instanceMonitorings The monitoring information.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceMonitorings",
"getterDocumentation": "\<\p\>\nThe monitoring information.\</p\>\n@return The monitoring information.*/",
"getterMethodName": "getInstanceMonitorings",
"getterModel": {
"returnType": "java.util.List<InstanceMonitoring>",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstancesSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instancesSet",
"uri": false,
"idempotencyToken": false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "InstanceMonitoring",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceMonitoring",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
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    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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    "setterModel" : {
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      "variableName" : "member",
      "variableType" : "InstanceMonitoring",
      "documentation" : "",
      "simpleType" : "InstanceMonitoring",
    }
  }
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"mapModel" : null,
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  "documentation" : "",
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"variableSetterType": "InstanceMonitoring",
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@param instanceMonitorings The monitoring information.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "InstanceMonitoring",
"documentation": "",
"simpleType": "InstanceMonitoring",
"variableSetterType": "InstanceMonitoring"
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},
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"memberType": "InstanceMonitoring",
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"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateType": "java.util.List<InstanceMonitoring>"
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"map": false,
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"name": "InstanceMonitorings",
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"variableName": "instanceMonitorings",
"variableType": "java.util.List<InstanceMonitoring>",
"documentation": "",
"simpleType": "List<InstanceMonitoring>",
"variableSetterType": "java.util.Collection<InstanceMonitoring>"
},
"simple": false,
"varargSetterDocumentation": "/**\p The monitoring information.\p\n\n@NOTE: This method appends the values to the existing list (if any). Use \{@link #getInstanceMonitorings(java.util.Collection)\} or \{@link #withInstanceMonitorings(java.util.Collection)\} if you want to override the existing values.\p\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {

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"variableType" : "java.util.List<InstanceMonitoring>",
"documentation" : "The monitoring information.\n",
"simpleType" : "List<InstanceMonitoring>",
"variableSetterType" : "java.util.Collection<InstanceMonitoring>"
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  "resultWrapper" : null
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  "variableType" : "UnmonitorInstancesResult",
  "documentation" : null,
  "simpleType" : "UnmonitorInstancesResult",
  "variableSetterType" : "UnmonitorInstancesResult"
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"wrapper" : false

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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
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  "enums" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "String"
  ]
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"variableType": "String",
"documentation": "<p>The ID of the resource.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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  "c2jName": "Error",
  "c2jShape": "UnsuccessfulItemError",
  "deprecated": false,
  "documentation": "<p>Information about the error.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Information about the error.</p>
@error Information about the error.
@returns Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "WithError",
  "getterDocumentation": "/**<p>Information about the error.</p>
@error Information about the error.
@return Information about the error. */",
  "getterMethodName": "getError",
  "getterModel": {
    "returnType": "UnsuccessfulItemError",
    "documentation": null
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "error",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Error",
  "setterDocumentation": "/**<p>Information about the error.</p>
@param error Information about the error.
@return Returns a reference to this object so that method calls can be chained together. */",
  "setterMethodName": "setError",
  "setterModel": {
    "variableDeclarationType": "UnsuccessfulItemError",
    "documentation": null
  }}
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"variableType" : "UnsuccessfulItemError",
"documentation" : "",
"simpleType" : "UnsuccessfulItemError",
"variableSetterType" : "UnsuccessfulItemError"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the error.</p>
@param error Information about the error.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "UnsuccessfulItemError",
"documentation" : "<p>Information about the error.</p>",
"simpleType" : "UnsuccessfulItemError",
"variableSetterType" : "UnsuccessfulItemError"
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"membersAsMap" : {
"Error" : {
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"c2jShape" : "UnsuccessfulItemError",
"deprecated" : false,
"documentation" : "<p>Information about the error.</p>",
"enumType" : null,
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@param error Information about the error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withError",
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@return Information about the error.*/",
"getterMethodName" : "getError",
"getterModel" : {
"returnType" : "UnsuccessfulItemError",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "error",
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"variableDeclarationType" : "UnsuccessfulItemError",
"variableName" : "error",
"variableType" : "UnsuccessfulItemError",
"documentation" : "<p>Information about the error.</p>",
"simpleType" : "UnsuccessfulItemError",
"variableSetterType" : "UnsuccessfulItemError"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the error.</p>
@param error Information about the error.
@return Returns a reference to this object so that method calls can be chained together.*/",}
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"mapModel" : null,
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@param error Information about the
error.<p>*/",
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"variableName" : "error",
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@param error Information about the
error.<p>*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "UnsuccessfulItemError",
"documentation" : "<p>Information about the error.</p>
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"simpleType" : "UnsuccessfulItemError",
"variableSetterType" : "UnsuccessfulItemError"
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"documentation" : "<p>The ID of the resource.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the resource.</p>
@param resourceId The ID of the resource.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResourceId",
"getterDocumentation" : "/**<p>The ID of the resource.</p>
@return The ID of the resource.<p>*/",
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"getterModel" : {
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"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param resourceId The ID of the resource.*/",
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  "variableName" : "resourceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param resourceId The ID of the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the resource.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : [ "Error" ],
"shapeName" : "UnsuccessfulItem"
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  "resultWrapper": null
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"variable": {
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  "variableName": "unsuccessfulItem",
  "variableType": "UnsuccessfulItem",
  "documentation": null,
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
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"wrapper": false
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"UnsuccessfulItemError": {
  "c2jName": "UnsuccessfulItemError",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "Information about the error that occurred. For more information about errors, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/errors-overview.html">Error Codes</a>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
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      "c2jShape": "String",
      "deprecated": false,
      "documentation": "The error code.",
      "enumType": null,
      "fluentSetterDocumentation": "**<p>The error code.</p>\n@param code The error code.\n@return Returns a reference to this object so that method calls can be chained together.**",
      "fluentSetterMethodName": "withCode",
      "getterDocumentation": "**<p>The error code.</p>\n@return The error code.**",
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      "getterModel": {
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        "documentation": null
      },
      "http":
    }]}
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The error code.</p>
@param code The error code.*/",
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  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The error code.</p>",
  "simpleType" : "String",
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"xmlNameSpaceUri" : null
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"documentation" : "<p>The error message accompanying the error code.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The error message accompanying the error code.
 */\n @param message
 * The error message accompanying the error code.
 * @return Returns a reference to this object so that method calls can be chained together. */",
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 "getterDocumentation" : "/**\n * The error message accompanying the error code.
 */\n @return The error message accompanying the error code.
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 "returnType" : "String",
 "documentation" : null
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 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "message",
 "uri" : false
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 "mapModel" : null,
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 */\n @param message
 * The error message accompanying the error code.
 * @return Returns a reference to this object so that method calls can be chained together. */",
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 "setterModel" : {
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 "variableName" : "message",
 "variableType" : "String",
 "documentation" : "",
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 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**\n * The error message accompanying the error code.
 */\n @param message
 * The error message accompanying the error code.
 * @return Returns a reference to this object so that method calls can be chained together. */",
 "variable" : {
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 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
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 "parameters" : {
 "message" : {
 "type" : "String",
 "name" : "message",
 "defaultValue" : null,
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
 }
 }
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"variableName" : "message",
"variableType" : "String",
"documentation" : "<p>The error message accompanying the error code.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
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    "c2jShape" : "String",
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    "documentation" : "<p>The error code.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The error code.</p>
@<p>@param code The error code.</p>
@<p>return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withCode",
    "getterDocumentation" : "/**<p>The error code.</p>
@<p>@return The error code.</p>*/",
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    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "code",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Code",
    "setterDocumentation" : "/**<p>The error code.</p>
@<p>@param code The error code.</p>
@<p>setter Returns a reference to this object so that method calls can be chained together.</p>*/",
    "setterMethodName" : "setCode",
"setterModel" : {
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    "variableName" : "code",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.*"",
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    "variableName" : "code",
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},
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The error message accompanying the error code.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The error message accompanying the error code.</p>
@param message The error message accompanying the error code.
@return Returns a reference to this object so that method calls can be chained together.*"",
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    "getterDocumentation" : "/**<p>The error message accompanying the error code.</p>
@return The error message accompanying the error code.*"",
    "getterMethodName" : "getMessage",
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    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Message",
    "operationName" : null,
    "payloadOwner" : false,
    "requestHeader" : null,
    "responseHeader" : null,
    "responseMemberName" : null,
    "serviceName" : null,
    "type" : null
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"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**\n<p>The error message accompanying the error code.</p>
@param message The error message accompanying the error code.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "message",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The error message accompanying the error code.</p>
@param message The error message accompanying the error code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UnsuccessfulItemError",
"variableName" : "unsuccessfulItemError",
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"requestSignerClassFqcn" : null,
"required" : [ "Code", "Message" ],
"shapeName" : "UnsuccessfulItemError",
"unmarshaller" : { 
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "UnsuccessfulItemError",
"variableName" : "unsuccessfulItemError",
"variableType" : "UnsuccessfulItemError",
"documentation" : null,
"simpleType" : "UnsuccessfulItemError",
"variableSetterType" : "UnsuccessfulItemError"
},
"wrapper" : false
},
"UserBucket" : {
"c2jName" : "UserBucket",
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  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "&lt;p&gt;Describes the S3 bucket for the disk image.&lt;/p&gt;",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
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  {
    "c2jName" : "S3Bucket",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The name of the S3 bucket where the disk image is located.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * The name of the S3 bucket where the disk image is located.
     * @param s3Bucket The name of the S3 bucket where the disk image is located.
     * @return Returns a reference to this object so that method calls can be chained together.
     */",
    "fluentSetterMethodName" : "withS3Bucket",
    "getterDocumentation" : "/**
     * The name of the S3 bucket where the disk image is located.
     * @return The name of the S3 bucket where the disk image is located.
     */",
    "getterMethodName" : "getS3Bucket",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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@return Returns a reference to this object so that method calls can be chained together.</p>
©

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  @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableName" : "userData",
  "variableType" : "UserData",
  "documentation" : null,
  "simpleType" : "UserData",
  "variableSetterType" : "UserData"
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"wrapper" : false
},
"UserIdGroupPair" : {
  "c2jName" : "UserIdGroupPair",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes a security group and AWS account ID pair.
  
  <p>Describes a security group and AWS account ID pair.</p>"
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "UserId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>\n@param userId The ID of an AWS account.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUserId",
  "getterDocumentation" : "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>\n@return The ID of an AWS account.\n@return The ID of an AWS account.*/",
  "getterMethodName" : "getUserId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null 
  },
  "http" : { 
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "userId",
    "uri" : false 
  },
}];
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserId",
"setterDocumentation" : "/**
<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned. </p>
<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.\n</p>\n@param userId The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned. 
<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account. */
",
"setterMethodName" : "setUserId",
"setterModel" : {

  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned. </p>
<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.\n</p>\n@param userId The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned. 
<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.\n@return Returns a reference to this object so that method calls can be chained together. */
",
"variable" : {

  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.\n<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account. </p",

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.\n<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account. </p",

  "enumType" : null,
  "fluentSetterDocumentation" : "/**\p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security
group ID.

@param groupName The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.

@return Returns a reference to this object so that method calls can be chained together.*"/

  "fluentSetterMethodName" : "withGroupName",
  "getterDocumentation" : "/**<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>\n@return The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.*"/

  "getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groupName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "GroupName",
  "setterDocumentation" : "/**<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>\n@return The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.*"/

  "setterMethodName" : "setGroupName",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "groupName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation": "/**<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>
@PathParam
@param groupName The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>
@param groupName The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.
@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "GroupId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withGroupId",
"fluentSetterDocumentation": "/**<p>The ID of the security group.</p>
@PathParam
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
"getterDocumentation": "/**<p>The ID of the security group.</p>
@return The ID of the security group. */",
"getterMethodName": "getGroupId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "statusCode": null,
  "unmarshallLocationName": "groupId",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**\<p>The ID of the security group.</p>\n@param groupId The ID of the security
group.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The ID of the security group.</p>\n@param groupId The ID of the
security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for the referenced security group, if applicable.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for the referenced security group, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>The ID of the VPC for the referenced security group, if
applicable.</p>\n@param vpcId The ID of the VPC for the referenced security group, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**\<p>The ID of the VPC for the referenced security group, if
applicable.</p>\n@return The ID of the VPC for the referenced security group, if applicable.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC for the referenced security group, if applicable.</p>*/
@param vpcId The ID of the VPC for the referenced security group, if applicable.*/
"setterMethodName" : "setVpcId",
"setterModel" : {

variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"

},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC for the referenced security group, if applicable.</p>*/
@param vpcId The ID of the VPC for the referenced security group, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {

variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC for the referenced security group, if applicable.</p>",
"simpleType" : "String",
"variableSetterType" : "String"

},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection, if applicable.</p>*/
@param vpcPeeringConnectionId The ID of the VPC peering connection, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/

object so that method calls can be chained together.*/*",
"fluuentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of the VPC peering connection, if applicable.</p>
@return The ID of the VPC peering connection, if applicable.*/*",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcPeeringConnectionId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcPeeringConnectionId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection, if applicable.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection, if applicable.*/*",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection, if applicable.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection, if applicable.*/*",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
}
"variableType" : "String",
"documentation" : "<p>The ID of the VPC peering connection, if applicable.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PeeringStatus",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The status of a VPC peering connection, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@param peeringStatus The status of a VPC peering connection, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPeeringStatus",
"getterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@return The status of a VPC peering connection, if applicable.*/",
"getterMethodName" : "getPeeringStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PeeringStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "peeringStatus",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PeeringStatus",
"setterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@param peeringStatus The status of a VPC peering connection, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPeeringStatus",
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
"variableDeclarationType" : "String",
"variableName" : "peeringStatus",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@param peeringStatus The status of a VPC peering connection, if applicable.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "peeringStatus",
"variableType" : "String",
"documentation" : "<p>The status of a VPC peering connection, if applicable.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**<p>The ID of the security group.</p>
@return The ID of the security group.*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "<p>The ID of the security group.</p>
"@param groupId The ID of the security group.
"@return Returns a reference to this object so that method calls can be chained together.*/",
"variableModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>
"@param groupName The name of the security group.
"@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>
"@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "withGroupName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID. 

@return The name of the security group. In a request, use this parameter for a security group in EC2-
Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID. */

"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the security group. In a request, use this parameter for a security
group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group
ID.</p>
@param groupName The name of the security group. In a request, use this parameter for a security
group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group
ID.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setGroupName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the security group. In a request, use this parameter for a
security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security
group ID.</p>
@param groupName The name of the security group. In a request, use this parameter for a security
group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group
ID.
@return Returns a reference to this object so that method calls can be chained together.</p>
*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PeeringStatus" : {
  "c2jName" : "PeeringStatus",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The status of a VPC peering connection, if applicable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>*/
@param
  peeringStatus The status of a VPC peering connection, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPeeringStatus",
  "getterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>*/
@return The status of a VPC peering connection, if applicable.*/",
  "getterMethodName" : "getPeeringStatus",
  "getterModel" : {
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "peeringStatus",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name": "PeeringStatus",
"setterDocumentation": "/**<p>The status of a VPC peering connection, if applicable.</p>
@param peeringStatus The status of a VPC peering connection, if applicable.* /
*/",
"setterMethodName": "setPeeringStatus",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "="/**<p>The status of a VPC peering connection, if applicable.</p>
@param peeringStatus The status of a VPC peering connection, if applicable.<br/>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The status of a VPC peering connection, if applicable.</p> 
[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.
</p>
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p>
[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "="/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation": "="/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
\n@return The ID of an AWS account."
",
  "getterMethodName": "getUserId",
  "xmlNameSpaceUri": null
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  "c2jName": "Userld",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
\nreturn Returns a reference to this object so that method calls can be chained together.*/",
  "enumType": null,
  "fluentSetterDocumentation": "="/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
\n@return The ID of an AWS account."
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  "getterDocumentation": "="/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
\n@return The ID of an AWS account."
",
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  "xmlNameSpaceUri": null
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  "returnType" : "String",
  "documentation" : false
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[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
\n@param userId The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.

@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.

@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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 "deprecated" : false,
 "documentation" : "The ID of the VPC for the referenced security group, if applicable.\n[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account."
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 "variableSetterType" : "String"
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 "c2jShape" : "String",
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 "documentation" : "The ID of the VPC for the referenced security group, if applicable.\n[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.

\n\nReturns a reference to this object so that method calls can be chained together. */
",
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",
 "fluentSetterMethodName" : "withVpcId",
 "getterDocumentation" : "The ID of the VPC for the referenced security group, if applicable. The ID of the VPC for the referenced security group, if applicable.\nReturns a reference to this object so that method calls can be chained together. */
",
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 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "vpcId",
 "uri" : false
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 "idempotencyToken" : false,
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 "listModel" : null,
 "map" : false,
 "mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC for the referenced security group, if applicable.</p>
@param vpcId The ID of the VPC for the referenced security group, if applicable.</p>*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC for the referenced security group, if applicable.</p>
@param vpcId The ID of the VPC for the referenced security group, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC peering connection, if applicable.</p>
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  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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  "additionalUnmarshallingPath" : null,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
],
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the VPC peering connection, if applicable.</p>
@param
\n@returns{VpcPeeringConnectionId} The ID of the VPC peering connection, if applicable.*\*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection, if applicable.</p>
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  "documentation" : "<p>The ID of the VPC peering connection, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType": "UserIdGroupPair",
  "documentation": null,
  "simpleType": "UserIdGroupPair",
  "variableSetterType": "UserIdGroupPair"
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"wrapper": false,
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"VgwTelemetry": {
  "c2jName": "VgwTelemetry",
  "customization": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes telemetry for a VPN tunnel.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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    "c2jShape": "String",
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    "documentation": "<p>The Internet-routable IP address of the virtual private gateway's outside interface.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The Internet-routable IP address of the virtual private gateway's outside interface.</p>*/",
    "fluentSetterMethodName": "withOutsideIpAddress",
    "getterDocumentation": "/**<p>The Internet-routable IP address of the virtual private gateway's outside interface.</p>*/",
    "getterMethodName": "getOutsideIpAddress",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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  ]
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "outsideIpAddress",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OutsideIpAddress",
"setterDocumentation" : "/**<p>The Internet-routable IP address of the virtual private gateway's outside
interface.</p>
@param outsideIpAddress The Internet-routable IP address of the virtual private gateway's outside
interface.*/",
"setterMethodName" : "setOutsideIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "outsideIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Internet-routable IP address of the virtual private gateway's outside
interface.</p>
@param outsideIpAddress The Internet-routable IP address of the virtual private gateway's outside
interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The Internet-routable IP address of the virtual private gateway's outside
interface.</p>",
  "simpleType" : "String",
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"xmlNameSpaceUri" : null,
"c2jName" : "Status",
"c2jShape" : "TelemetryStatus",}
"deprecated" : false,
"documentation" : "<p>The status of the VPN tunnel.</p>",
"enumType" : "TelemetryStatus",
"fluentSetterDocumentation" : "/**<p>The status of the VPN tunnel.</p>*/
@param status The status of the
VPN tunnel.
@return Returns a reference to this object so that method calls can be chained together.
@see TelemetryStatus*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status of the VPN tunnel.</p>*/
@return The status of the VPN
tunnel.
@see TelemetryStatus*/",
"getterMethodName" : "getStatus",
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  "returnType" : "String",
  "documentation" : null
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"setterDocumentation" : "/**<p>The status of the VPN tunnel.</p>*/
@param status The status of the
VPN tunnel.
@return Returns a reference to this object so that method calls can be chained together.
@see TelemetryStatus*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the VPN tunnel.</p>*/
@param status The status of the
VPN tunnel.\n@return Returns a reference to this object so that method calls can be chained together.\n@see TelemetryStatus*/",
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        "variableType" : "String",
        "documentation" : "&lt;p&gt;The status of the VPN tunnel.&lt;/p&gt;",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
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{"c2jName" : "LastStatusChange",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "&lt;p&gt;The date and time of the last change in status.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The date and time of the last change in status.&lt;/p&gt;\n@param
lastStatusChange The date and time of the last change in status.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLastStatusChange",
"getterDocumentation" : "/**&lt;p&gt;The date and time of the last change in status.&lt;/p&gt;\n@return The date and time of the last change in status.*/",
"getterMethodName" : "getLastStatusChange",
"getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
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    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LastStatusChange",
"setterDocumentation" : "<p>The date and time of the last change in status.</p>
@param lastStatusChange
The date and time of the last change in status.*"/",
"setterMethodName" : "setLastStatusChange",
"setterModel" : {
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  "documentation" : "",
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  "variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "<p>The date and time of the last change in status.</p>
@param lastStatusChange
The date and time of the last change in status.
@return Returns a reference to this object so that method calls can be chained together.*"/",
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  "variableType" : "java.util.Date",
  "documentation" : "<p>The date and time of the last change in status.</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If an error occurs, a description of the error.</p>
  "enumType" : null,
"fluentSetterDocumentation" : "<p>If an error occurs, a description of the error.</p>
@param statusMessage
If an error occurs, a description of the error.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "<p>If an error occurs, a description of the error.</p>
@return If an error occurs, a description of the error.*"/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>If an error occurs, a description of the error.</p>
@param statusMessage If an error occurs, a description of the error.*/",
"setterMethodName" : "setStatusMessage",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>If an error occurs, a description of the error.</p>
@param statusMessage If an error occurs, a description of the error.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "<p>If an error occurs, a description of the error.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of accepted routes.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The number of accepted routes.</p>
@param acceptedRouteCount The number of accepted routes.
@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName" : "withAcceptedRouteCount",
"getterDocumentation" : "/**<p>The number of accepted routes.</p>
@return The number of accepted routes.*/",
"getterMethodName" : "getAcceptedRouteCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AcceptedRouteCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "acceptedRouteCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AcceptedRouteCount",
"setterDocumentation" : "/**<p>The number of accepted routes.</p>
@param acceptedRouteCount The number of accepted routes.*/",
"setterMethodName" : "setAcceptedRouteCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "acceptedRouteCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of accepted routes.</p>
@param acceptedRouteCount The number of accepted routes.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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The number of accepted routes.

@returns Returns a reference to this object so that method calls can be chained together.

The date and time of the last change in status.

@returns Returns a reference to this object so that method calls can be chained together.

The date and time of the last change in status.

The date and time of the last change in status.

The date and time of the last change in status.
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@returns Returns a reference to this object so that method calls can be chained together."*/",
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@returns The status of the VPN tunnel.

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@returns The status of the VPN tunnel.

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<h1>Availability Zone</h1>

The availability zone is a physical location where an object is stored in
a cloud.

### Availability Zones

An availability zone is a logical and geographic separation of a cloud.

### Availability Zone Requirements

- **Availability Zones:**
  - Availability Zones must be physically separate.
  - Availability Zones must be capable of supporting a variety of
    services.

### Availability Zone Characteristics

- **Characteristics:**
  - Availability Zones are distributed around the world.
  - Availability Zones are designed to be highly resilient.

### Availability Zone Benefits

- **Benefits:**
  - Availability Zones provide a mechanism for distributing
    data across multiple locations.
  - Availability Zones improve data availability and
    performance.

### Availability Zone Limitations

- **Limitations:**
  - Availability Zones cannot be created or deleted.
  - Availability Zones cannot be moved.

### Availability Zone Considerations

- **Considerations:**
  - Availability Zones should be chosen based on the needs of the
    application.
  - Availability Zones must be configured to support the
    application.

### Availability Zone Steps

- **Steps:**
  - Choose an availability zone based on the needs of the
    application.
  - Configure the availability zone to support the application.

### Availability Zone Examples

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<thead>
<tr>
<th>Availability Zone</th>
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<tbody>
<tr>
<td>Availability Zone A</td>
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<td>Availability Zone B</td>
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</table>

### Availability Zone References

- [Open Source Availability Zones](#)
- [Open Source Availability Zones](#)
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@param createTime The time stamp when volume creation was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time stamp when volume creation was initiated.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}
"c2jName" : "Attachments",
"c2jShape" : "VolumeAttachmentList",
"deprecated" : false,
"documentation" : "<p>Information about the volume attachments.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@param attachments
Information about the volume attachments.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@return Information about the volume attachments.*/
getterMethodName" : "getAttachments",
getterModel" : {
"returnType" : "java.util.List<VolumeAttachment>",
"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachmentSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentSet",
"uri" : false
}

"idempotencyToken" : false,
"list" : true,
"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VolumeAttachment",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**n@param member
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**n@return */",
"getterMethodName" : "getMember",
"getterModel" : {

"c2jName" : "Attachments",
"c2jShape" : "VolumeAttachmentList",
"deprecated" : false,
"documentation" : "<p>Information about the volume attachments.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@param attachments
Information about the volume attachments.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@return Information about the volume attachments.*/
getterMethodName" : "getAttachments",
getterModel" : {
"returnType" : "java.util.List<VolumeAttachment>",
"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachmentSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentSet",
"uri" : false
}

"idempotencyToken" : false,
"list" : true,
"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VolumeAttachment",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**n@param member
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**n@return */",
"getterMethodName" : "getMember",
"getterModel" : {

"c2jName" : "Attachments",
"c2jShape" : "VolumeAttachmentList",
"deprecated" : false,
"documentation" : "<p>Information about the volume attachments.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@param attachments
Information about the volume attachments.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@return Information about the volume attachments.*/
getterMethodName" : "getAttachments",
getterModel" : {
"returnType" : "java.util.List<VolumeAttachment>",
"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachmentSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentSet",
"uri" : false
}

"idempotencyToken" : false,
"list" : true,
"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VolumeAttachment",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**n@param member
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**n@return */",
"getterMethodName" : "getMember",
"getterModel" : {

"c2jName" : "Attachments",
"c2jShape" : "VolumeAttachmentList",
"deprecated" : false,
"documentation" : "<p>Information about the volume attachments.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@param attachments
Information about the volume attachments.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@return Information about the volume attachments.*/
getterMethodName" : "getAttachments",
getterModel" : {
"returnType" : "java.util.List<VolumeAttachment>",
"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachmentSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentSet",
"uri" : false
}

"idempotencyToken" : false,
"list" : true,
"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VolumeAttachment",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**n@param member
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**n@return */",
"getterMethodName" : "getMember",
"getterModel" : {

"c2jName" : "Attachments",
"c2jShape" : "VolumeAttachmentList",
"deprecated" : false,
"documentation" : "<p>Information about the volume attachments.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@param attachments
Information about the volume attachments.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Information about the volume attachments.</p>*/
@n@return Information about the volume attachments.*/
getterMethodName" : "getAttachments",
getterModel" : {
"returnType" : "java.util.List<VolumeAttachment>",
"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,
"returnType" : "VolumeAttachment",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
  @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VolumeAttachment",
  "variableName" : "member",
  "variableType" : "VolumeAttachment",
  "documentation" : "",
  "simpleType" : "VolumeAttachment",
  "variableSetterType" : "VolumeAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n  @param member \n  @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VolumeAttachment",
  "variableName" : "member",
  "variableType" : "VolumeAttachment",
  "documentation" : "",
  "simpleType" : "VolumeAttachment",
  "variableSetterType" : "VolumeAttachment"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item"
"memberType": "VolumeAttachment",
"map": false,
"marshallNonAuto ConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VolumeAttachment",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
"templateType": "java.util.List<VolumeAttachment>",
"map": false,
"mapModel": null,
"name": "Attachments",
"setterDocumentation": "/** Information about the volume attachments. */",
"setterMethodName": "setAttachments",
"setterModel": {,
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
  "variableName": "attachments",
  "variableType": "java.util.List<VolumeAttachment>",
  "documentation": "",
  "simpleType": "List<VolumeAttachment>",
  "variableSetterType": "java.util.Collection<VolumeAttachment>",
},
"map": false,
"mapModel": null,
"name": "Attachments",
"setterDocumentation": "/** Information about the volume attachments. */",
"setterMethodName": "setAttachments",
"setterModel": {,
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
  "variableName": "attachments",
  "variableType": "java.util.List<VolumeAttachment>",
  "documentation": "",
  "simpleType": "List<VolumeAttachment>",
  "variableSetterType": "java.util.Collection<VolumeAttachment>",
},
"xmlNameSpaceUri": null,
"c2jName": "Tags",
"c2jShape": "TagList",
"deprecated": false,
"documentation": "<p>Any tags assigned to the volume.</p>",
"enumType": null,
"fluentSetterDocumentation": "/** Any tags assigned to the volume. */",
"人人@return Returns a reference to this object so that method calls can be chained together. */",}
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**
<p>Any tags assigned to the volume.</p>
@return Any tags assigned to the volume.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag"
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the volume.</p>@param tags Any tags assigned to the volume.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the volume.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [{@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.<p>@param tags Any tags assigned to the volume.<b>\n</b>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the volume.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"deprecated" : false,
"documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>",
"enumType" : "VolumeType",
"fluentSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>@param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.<b>\n</b>@return Returns a reference to this object so that method calls can be chained together.<b>\n</b>@see VolumeType*/",
"fluentSetterMethodName" : "withVolumeType",
"getterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.<p>@return The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.<p>@see VolumeType*/

"getterMethodName" : "getVolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.<p>@param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.<p>@see VolumeType*/

"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose..."
SSD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>

```java
@param volumeType
  The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
  @return Returns a reference to this object so that method calls can be chained together.
  @see VolumeType*/
```

```java
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
  @return Returns a reference to this object so that method calls can be chained together.
  @see VolumeType*/",
```

```java
"iops" : {
  "simpleType" : "String",
  "variableSetterType" : "String",
  "xmlNameSpaceUri" : null,
  "c2jName" : "iops",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.
  Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.
  "enumType" : null,
  "fluentSetterDocumentation" : "The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.
  Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.
  "@param iops The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.
  Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.
  "@return Returns a reference to this object so that method calls can be chained together.
  @see VolumeType*/",
```
IOPS for i/o1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>i/o1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>

```
public class CreateVolumeRequest {
  private Integer iops;

  public CreateVolumeRequest withIops(Integer iops) {
    this.iops = iops;
    return this;
  }

  public Integer getIops() {
    return iops;
  }

  public static unmarshallLocationName(Iops)

  Condition: This parameter is required for requests to create <code>i/o1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

  Returns a reference to this object so that method calls can be chained together.
```


"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, or <code>standard</code> volumes. The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes. */","setterMethodName" : "setIops",
"setterModel" : {
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  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes. */",<code>}</code>
required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

```java
@
@return Returns a reference to this object so that method calls can be chained together.*"},

"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "iops",
"variableType" : "Integer",
"documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see Amazon EBS Volume Types in the Amazon Elastic Compute Cloud User Guide. <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. <p>Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2, st1, sc1, or standard volumes."},

"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether the volume will be encrypted.<p>",
"enumType" : null,
"fluentSetterDocumentation" : "Indicates whether the volume will be encrypted.<p>\n@param encrypted Indicates whether the volume will be encrypted.<p>\n@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "Indicates whether the volume will be encrypted.<p>\n@return Indicates whether the volume will be encrypted.<p>\n@return Indicates whether the volume will be encrypted."",
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"documentation" : null
},
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "encrypted",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**\n<p>Indicates whether the volume will be encrypted.</p>\n@param encrypted Indicates whether the volume will be encrypted.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "encrypted",
 "variableType" : "Boolean",
 "documentation" : "",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Indicates whether the volume will be encrypted.</p>\n@param encrypted Indicates whether the volume will be encrypted.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "encrypted",
 "variableType" : "Boolean",
 "documentation" : "<p>Indicates whether the volume will be encrypted.</p>",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "KmsKeyId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>\n@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKmsKeyId",}
"getterDocumentation": "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.*
*/
",
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"getterModel": {
   "returnType": "String",
   "documentation": null
 },
"http": {
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},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "KmsKeyId",
"setterDocumentation": "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

@return Returns a reference to this object so that
*/
",
"setterMethodName": "setKmsKeyId",
"setterModel": {
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   "variableName": "kmsKeyId",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

@return Returns a reference to this object so that
*/
"
method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>",
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  "variableSetterType" : "String"
},
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    "c2jShape" : "VolumeAttachmentList",
    "deprecated" : false,
    "documentation" : "<p>Information about the volume attachments.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAttachments",
    "getterDocumentation" : "/**<p>Information about the volume attachments.</p>\n@return Information about the volume attachments.*/",
    "getterMethodName" : "getAttachments",
    "getterModel" : {
      "returnType" : "java.util.List<VolumeAttachment>",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AttachmentSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "attachmentSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "documentation" : null
    }
  },
  "AvailabilityZones" : {
    "c2jName" : "AvailabilityZones",
    "c2jShape" : "AvailabilityZonesList",
    "deprecated" : false,
    "documentation" : "<p>The availability zones that the volume is in.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The availability zones that the volume is in.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAvailabilityZones",
    "getterDocumentation" : "/**<p>The availability zones that the volume is in.</p>\n@return Information about the availability zones.*/",
    "getterMethodName" : "getAvailabilityZones",
    "getterModel" : {
      "returnType" : "java.util.List<AvailabilityZone>",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
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      "marshallLocationName" : "AvailabilityZoneSet",
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      "statusCode" : false,
      "unmarshallLocationName" : "availabilityZoneSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "documentation" : null
    }
  }
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "documentation" : null
}
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
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  "c2jName" : "member",
  "c2jShape" : "VolumeAttachment",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "VolumeAttachment",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "VolumeAttachment",
    "variableName" : "member",
    "variableType" : "VolumeAttachment",
    "documentation" : "",
    "simpleType" : "VolumeAttachment",
    "variableSetterType" : "VolumeAttachment"
  }
},

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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "VolumeAttachment",
"documentation" : "",
"simpleType" : "VolumeAttachment",
"variableSetterType" : "VolumeAttachment"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeAttachment",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
"templateType" : "java.util.List<VolumeAttachment>"
},
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/**
<p>Information about the volume attachments.</p>
@param attachments
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAttachments(java.util.Collection)} or {
@link #withAttachments(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
"variableName" : "attachments",
"variableType" : "java.util.List<VolumeAttachment>",
"documentation" : "",
"simpleType" : "List<VolumeAttachment>",
"variableSetterType" : "java.util.Collection<VolumeAttachment>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the volume attachments.</p>
<br>NOTE:<b>/p>
This method appends the values to the existing list (if any). Use {@link #setAttachments(java.util.Collection)} or {
@link #withAttachments(java.util.Collection)} if you want to override the existing values.<br>/p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
"variableName" : "attachments"
"variableType" : "java.util.List<VolumeAttachment>",
"documentation" : "<p>Information about the volume attachments.</p>",
"simpleType" : "List<VolumeAttachment>",
"variableSetterType" : "java.util.Collection<VolumeAttachment>"
],
"xmlNameSpaceUri" : null
},
"AvailabilityZone" : {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone for the volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone for the volume.</p>
  @param availabilityZone The Availability Zone for the volume.
  @return Returns a reference to this object so that method calls can be chained together.*/*",
  "fluentSetterMethodName" : "withAvailabilityZone",
  "getterDocumentation" : "/**<p>The Availability Zone for the volume.</p>
  @return The Availability Zone for the volume.*/*",
  "getterMethodName" : "getAvailabilityZone",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "marshallLocationName" : "AvailabilityZone",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "availabilityZone",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AvailabilityZone",
  "setterDocumentation" : "/**<p>The Availability Zone for the volume.</p>
  @param availabilityZone The Availability Zone for the volume.*/*",
  "setterMethodName" : "setAvailabilityZone"}
The Availability Zone for the volume.

@returns Returns a reference to this object so that method calls can be chained together.

**variable**

The Availability Zone for the volume.

@returns Returns a reference to this object so that method calls can be chained together.

**createTime**

The time stamp when volume creation was initiated.

@returns Returns a reference to this object so that method calls can be chained together.
"marshallLocationName" : "CreateTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time stamp when volume creation was initiated.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume will be encrypted.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume will be encrypted.</p>
@param encrypted Indicates whether the volume will be encrypted.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Indicates whether the volume will be encrypted.</p>
@param"
whether the volume will be encrypted.*/",
  "getterMethodName" : "getEncrypted",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Encrypted",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "encrypted",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Encrypted",
  "setterDocumentation" : "/**\n   * Indicates whether the volume will be encrypted.
   * @param encrypted Indicates whether the volume will be encrypted.
   * @return Returns a reference to this object so that method calls can be chained together. */",
  "setterMethodName" : "setEncrypted",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n   * Indicates whether the volume will be encrypted.
   * @param encrypted Indicates whether the volume will be encrypted.
   * @return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the volume will be encrypted.</p>",
    "simpleType" : "Boolean"
  },
"variableSetterType" : "Boolean",
"xmlNameSpaceUri" : null
},
"Iops" : {
  "c2jName" : "Iops",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>
<p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>
<p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>

@param iops The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>
<p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>

@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
"fluentSetterMethodName" : "withIops",
"getterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>
<p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>

@return Returns a reference to this object so that method calls can be chained together.</p>
*/"}
required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.\n\n@return The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>\n\n<p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>\n\n@param iops The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2 volumes. Condition: This parameter is required for requests to create st1 volumes, or standard volumes. The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2 volumes. Condition: This parameter is required for requests to create st1 volumes, or standard volumes. The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.
Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>

```
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"variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

"enumType" : null,
"fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withKmsKeyId",
"getterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.

@returns Returns a reference to this object so that method calls can be chained together.

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  "documentation" : null
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"http" : {
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "KmsKeyId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "kmsKeyId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
```
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"map" : false,
"mapModel" : null,
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   "documentation" : "",
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   "variableSetterType" : "String"
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"simple" : true,
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   "variableSetterType" : "String"
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   "c2jShape" : "Integer",
   "deprecated" : false,
   "documentation" : "<p>The size of the volume, in GiBs.</p>",
   "enumType" : null,
   "fluuentSetterDocumentation" : "/*<p>The size of the volume, in GiBs.</p>@param size The size of the volume, in GiBs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluuentSetterMethodName" : "withSize",
   "getterDocumentation" : "/*<p>The size of the volume, in GiBs.</p>@return The size of the volume, in GiBs.*/",
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      "setterDocumentation" : "/**<p>The size of the volume, in GiBs.</p>@param size The size of the volume, in GiBs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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      "setterModel" : {
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         "simpleType" : "Integer",
         "variableSetterType" : "Integer"
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      "varargSetterDocumentation" : "/*<p>The size of the volume, in GiBs.</p>@param size The size of the volume, in GiBs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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         "variableSetterType" : "Integer"
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  "statusCode" : false,
  "unmarshallLocationName" : "size",
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  "variableType" : "Integer",
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  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"deprecated": false,
"documentation": "The snapshot from which the volume was created, if applicable.\n\n@returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterDocumentation": "The snapshot from which the volume was created, if applicable.\n\n\n@returns The snapshot from which the volume was created, if applicable.\n",
"getterDocumentation": "\n\n\n@returns The snapshot from which the volume was created, if applicable.\n",
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"list": false,
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"mapModel": null,
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"setterModel": {
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  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple" : true,
/varargSetterDocumentation" : "/**\n\n@param snapshotId

@return

Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "The snapshot from which the volume was created, if applicable.

@return

Returns a reference to this object so that method calls can be chained together. */",
"xmlNameSpaceUri" : null,
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"State" : {
  "c2jName" : "State",
  "c2jShape" : "VolumeState",
  "deprecated" : false,
  "documentation" : "The volume state.

@param state

@return

The volume state.

@see VolumeState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "The volume state.

@return

The volume state.

@see VolumeState*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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"mapModel" : null,
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"setterDocumentation" : "/**\n*p>The volume state.\n@param state The volume state.\n@see\nVolumeState*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The volume state.\n@param state The volume state.\n@return Returns a reference to this object so that method calls can be chained together.\n@see\nVolumeState*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"},
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"Tags" : {
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n*p>Any tags assigned to the volume.\n@param tags Any tags assigned to the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**\n*p>Any tags assigned to the volume.\n@return Any tags assigned to the volume.*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
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    "documentation" : null
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"isPayload" : false,
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"unmarshallLocationName" : "tagSet",
"uri" : false
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"idempotencyToken" : false,
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    "c2jShape" : "Tag",
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    "documentation" : "",
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     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
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    "getDocumentation" : "/**\n     * @return */",
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    "listModel" : null,
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"simple" : false,
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method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"memberType" : "Tag",
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"sendEmptyQueryString" : false,
"simple" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
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"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the volume.</p>
@param tags Any tags assigned to the
volume.</p>\n@return Returns a reference to this object so that
method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "tags",
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  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"}
},
"simple" : false,
"varargSetterDocumentation" : "/**
 Any tags assigned to the volume.\n<p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.\n\n@param tags Any tags assigned to the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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 "variableName" : "tags",
 "variableType" : "java.util.List<Tag>",
 "documentation" : "<p>Any tags assigned to the volume.</p>",
 "simpleType" : "List<Tag>",
 "variableSetterType" : "java.util.Collection<Tag>",
 "xmlNameSpaceUri" : null },
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 "c2jName" : "VolumeId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the volume.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\nThe ID of the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withVolumeId",
 "getterDocumentation" : "/**\nThe ID of the volume.\n@return The ID of the volume.*/",
 "getterMethodName" : "getVolumeId",
 "getterModel" : {
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 "location" : null,
 "marshallLocationName" : "VolumeId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "volumeId",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
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@param volumeId The ID of the volume.*"",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclaratio
The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.

@see VolumeType*/

```
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"getterModel" : {
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  "greedy" : false,
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  "queryString" : false,
  "statusCode" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setter Documentation" : "*/p>The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.</p>

@see VolumeType*/

```

```
"setterMethodName" : "setVolumeType",
"setterModel" : {
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  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/p>The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.</p>

@see VolumeType*"/"**
The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.

```
return Returns a reference to this object so that method calls can be chained together.

@see VolumeType*/
```

```
"variable" : {
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    "variableName" : "volumeType",
    "variableType" : "String",
    "documentation" : "<p>The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
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}
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"required" : null,
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    "resultWrapper" : null
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    "deprecated" : false,
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    "errorCode" : null,
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  "enumType" : null,
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  "fluentSetterMethodName" : "withVolumeId",
  "getterDocumentation" : "/**<p>The ID of the volume.</p><i>\n@\n@return Returns a reference to this object so that method calls can be chained together.\</i>*/",
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  "variableType" : "String",
  "documentation" : "",
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 * @param volumeId The ID of the volume.
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"documentation": "<p>The ID of the instance.
@return The ID of the instance.
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 * @param instanceId The ID of the instance.
 */

@returns a reference to this object so that method calls can be chained together.
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 * @return The ID of the instance.
 */
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"statusCode": false,
"unmarshallLocationName": "instanceId",
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  "simpleType" : "String",
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@return Returns a reference to this object so that method calls can be chained together.
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"documentation" : "<p>The attachment state of the volume.</p>",
"enumType" : "VolumeAttachmentState",
"fluentSetterDocumentation" : "/**<p>The attachment state of the volume.</p>
@param state The attachment state of the volume.
@return Returns a reference to this object so that method calls can be chained together.
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@return The attachment state of the volume.
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 "isStreaming" : false,
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@return Returns a reference to this object so that method calls can be chained together.
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"c2jShape" : "DateTime",
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*!",
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@return The time stamp when the attachment initiated.*/",
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    "variableType" : "java.util.Date",
    "documentation" : "The time stamp when the attachment initiated.
    @param attachTime The time stamp when the attachment initiated.
    @return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "Boolean",
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@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Indicates whether the EBS volume is deleted on instance termination.*/",
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    "documentation" : null
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    "getterMethodName" : "getAttachTime",
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      "variableName" : "attachTime",
      "variableType" : "java.util.Date",
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    }
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@param attachTime The time stamp when the attachment initiated.
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@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Indicates whether the EBS volume is deleted on instance termination.*/",
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
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  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
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@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Boolean",
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  "variableSetterType" : "Boolean"
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The device name.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**/<p>The device name.</p>@param device The device name.<p/></p>@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName": "withDevice",
    "getterDocumentation": "/**/<p>The device name.</p>@return The device name.<p/></p>@return The device name.",
    "getterMethodName": "getDevice",
    "getterModel": {
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        "documentation": null
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        "statusCode": false,
        "unmarshallLocationName": "device",
        "uri": false
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    "list": false,
    "listModel": null,
    "map": false,
"mapModel" : null,
"name" : "Device",
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 * @param device The device name.
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"setterModel" : {
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  "variableType" : "String",
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  "variableSetterType" : "String"
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 * @return Returns a reference to this object so that method calls can be chained together.
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<p>The device name.</p>
<p>SimpleType</p>
<p>variableSetterType</p>
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n * The ID of the instance.
 * @param instanceId The ID of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
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  "getterDocumentation" : "/**\n * The ID of the instance.
 * @return The ID of the instance.
 */",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "isPayload" : false,
    "isStreaming" : false,
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"unmarshallLocationName" : "instanceId",
"uri" : false
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"listModel" : null,
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"mapModel" : null,
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@param instanceId The ID of the instance.*/",
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  "variableName" : "instanceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param instanceId The ID of the
instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"State" : {
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  "deprecated" : false,
  "documentation" : "<p>The attachment state of the volume.</p>
  "enumType" : "VolumeAttachmentState",
  "fluentSetterDocumentation" : "/**<p>The attachment state of the volume.</p>
  <p>@return Returns a reference to this object so that method calls can be chained together.</p>
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  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The attachment state of the volume.</p>
  <p>@return The attachment state of the volume.</p>
  @see VolumeAttachmentState*/".
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "location" : null,
  "marshallLocationName" : "Status",
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  "unmarshallLocationName" : "status",
  "uri" : false
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"idempotencyToken" : false,

"list" : false,
"listModel" : null,

"map" : false,
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"name" : "State",

"setterDocumentation" : "/**<p>The attachment state of the volume.</p>
@param state The attachment state of the volume.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttachmentState*/",

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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,

"varargSetterDocumentation" : "/**<p>The attachment state of the volume.</p>
@param state The attachment state of the volume.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttachmentState*/",

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  "variableSetterType" : "String"}
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>
  
  "simpleType" : "String",
  "variableSetterType" : "String"
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"required" : null,
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volume, in GiB.

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\@return Returns a reference to this object so that method calls can be chained together.*\*/

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 * Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes.\n @return Returns a reference to this object so that method calls can be chained together.\n @see VolumeModificationState*/",
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 * Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes.\n @return Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes.\n @see VolumeModificationState*/",
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  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>Target EBS volume type of the volume being modified.</p>
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  "setterDocumentation" : "/**<p>Target EBS volume type of the volume being modified.</p>
@param targetVolumeType Target EBS volume type of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
  "setterMethodName" : "setTargetVolumeType",
  "setterModel" : {
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    "variableName" : "targetVolumeType",
    "variableType" : "String",
    "documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Target EBS volume type of the volume being modified.</p>
@param targetVolumeType Target EBS volume type of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "targetVolumeType",
"variableType" : "String",
"documentation" : "<p>Target EBS volume type of the volume being modified.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "OriginalSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>Original size of the volume being modified.</p>
@param originalSize Original size of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"fluentSetterDocumentation" : "/**<p>Original size of the volume being modified.</p>
@param originalSize Original size of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"fluentSetterMethodName" : "withOriginalSize",
"getterDocumentation" : "/**<p>Original size of the volume being modified.</p>
@return Original size of the volume being modified.
@see VolumeType*/",
"getterMethodName" : "getOriginalSize",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"isStreaming" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OriginalSize",
"setterDocumentation" : "<p>Original size of the volume being modified.</p>
@param originalSize
Original size of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setOriginalSize",
"setterModel" : {
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  "variableName" : "originalSize",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "<p>Original size of the volume being modified.</p>
@param originalSize
Original size of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
  "documentation" : "Original size of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jName" : "OriginalIops",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>Original IOPS rate of the volume being modified.</p>
"@param originalIops
Original IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : "<p>Original IOPS rate of the volume being modified.</p>
"@param originalIops
Original IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "<p>Original IOPS rate of the volume being modified.</p>
"@param originalIops
Original IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterModel" : {
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  "documentation" : null
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"map" : false,
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"setterDocumentation" : "/**<p>Original IOPS rate of the volume being modified.</p>
@param originalIops
Original IOPS rate of the volume being modified.*/",
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"setterModel" : {
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  "variableName" : "originalIops",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**<p>Original IOPS rate of the volume being modified.</p>
@param originalIops
Original IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "originalIops",
  "variableType" : "Integer",
  "documentation" : "<p>Original IOPS rate of the volume being modified.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jName" : "OriginalVolumeType",
"c2jShape" : "VolumeType",
"deprecated" : false,
"documentation" : "<p>Original EBS volume type of the volume being modified.</p>",
"enumType" : "VolumeType",
"fluentSetterDocumentation" : "/**<p>Original EBS volume type of the volume being modified.</p>
@param originalVolumeType Original EBS volume type of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"fluentSetterMethodName" : "withOriginalVolumeType",
"getterDocumentation" : "/**<p>Original EBS volume type of the volume being modified.</p>
@return Original EBS volume type of the volume being modified.
@see VolumeType*/",
"getterMethodName" : "getOriginalVolumeType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"isStreaming" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OriginalVolumeType",
"setterDocumentation" : "/**<p>Original EBS volume type of the volume being modified.</p>
@param originalVolumeType Original EBS volume type of the volume being modified.
@return
@see VolumeType*/",
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"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "originalVolumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Original EBS volume type of the volume being modified.</p>
@param originalVolumeType Original EBS volume type of the volume being modified.
@return

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Returns a reference to this object so that method calls can be chained together. */

variable" : {
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  "variableName" : "originalVolumeType",
  "variableType" : "String",
  "documentation" : "<p>Original EBS volume type of the volume being modified.</p>",
  "simpleType" : "String",
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"xmlNameSpaceUri" : null,
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"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>Modification progress from 0 to 100%.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Modification progress from 0 to 100%.</p>
@param progress
Modification progress from 0 to 100%.
@return Returns a reference to this object so that method calls can be
chained together. */",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "/**<p>Modification progress from 0 to 100%.</p>
@return Modification progress from 0 to 100%.
*/",
"getterMethodName" : "getProgress",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
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"mapModel" : null,
"name" : "Progress"
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@param progress Modification progress from 0 to 100%.</p>\n@return Returns a reference to this object so that method calls can be chained together. */",
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"setterModel" : {
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  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
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"varargSetterDocumentation" : "/** <p>Modification progress from 0 to 100%.</p>
@param progress Modification progress from 0 to 100%.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "Long",
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  "simpleType" : "Long",
  "variableSetterType" : "Long"
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"xmlNameSpaceUri" : null
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"c2jName" : "StartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>Modification start time </p>
@param startTime Modification start time
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : "/** <p>Modification start time </p>
@param startTime Modification start time
@return Returns a reference to this object so that method calls can be chained together. */",
"getterDocumentation" : "/** <p>Modification start time </p>
@return Modification start time */",
"getterMethodName" : "getStartTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
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  "greedy" : false,
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"listModel" : null,
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"setterDocumentation" : "/**<p>Modification start time </p>
@param startTime Modification start time*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
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"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Modification start time </p>
@param startTime Modification start
time
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "<p>Modification start time </p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
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"c2jName" : "EndTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>Modification completion or failure time. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Modification completion or failure time. </p>
@param endTime Modification completion or failure time. 
@return Returns a reference to this object so that method calls can be chained together.*"/",
"fluentSetterMethodName" : "withEndTime",
"getterDocumentation" : "/**<p>Modification completion or failure time. </p>
@return Modification completion or failure time.*"/",
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"getterModel" : {

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"documentation" : null
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  "isStreaming" : false,
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@param endTime Modification completion or failure time.*/",
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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "/**<p>Modification completion or failure time.</p>
@param endTime Modification completion or failure time.
@return Returns a reference to this object so that method calls can be chained together."*/",
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  "documentation" : "<p>Modification completion or failure time.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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    "c2jShape" : "DateTime",
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    "enumType" : null,
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@param endTime
Modification completion or failure time.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>Modification completion or failure time.</p>
@return Modification completion or failure time.*/",
    "getterMethodName" : "getEndTime",
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        "documentation" : null
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@param endTime
Modification completion or failure time.
@return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableType" : "java.util.Date",
        "documentation" : "",
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    "membersAsMap" : {
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    "listId" : false,
    "mapId" : false,
    "nameAsList" : {
    },
    "membersAsList" : {
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    "idAsMap" : {
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    "listAsMap" : {
    },
    "mapAsList" : {
    }
},
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    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>Modification completion or failure time.</p>"
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Modification completion or failure time.</p>
@param endTime
Modification completion or failure time.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "endTime",
"variableType" : "java.util.Date",
"documentation" : "<p>Modification completion or failure time.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "java.util.Date"
}
},
"xmlNameSpaceUri" : null
},
"ModificationState" : {
"c2jName" : "ModificationState",
"c2jShape" : "VolumeModificationState",
"deprecated" : false,
"documentation" : "<p>Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes. </p>",
"enumType" : "VolumeModificationState",
"fluentSetterDocumentation" : " /**<p>Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes. </p>
@see VolumeModificationState */",
"fluentSetterMethodName" : "withModificationState",
"getterDocumentation" : "/**<p>Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes. </p>
@see VolumeModificationState */",
"getterMethodName" : "getModificationState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "modificationState",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ModificationState",
"setterDocumentation" : "/**\n<p>Current state of modification. Possible values are \<code>modifying</code> | \<code>optimizing</code> | \<code>complete</code> | \<code>failed</code>. Modification state is null for unmodified volumes. \</p>\n@param modificationState Current state of modification. Possible values are \<code>modifying</code> | \<code>optimizing</code> | \<code>complete</code> | \<code>failed</code>. Modification state is null for unmodified volumes. \n</p>\n@see VolumeModificationState*/",
"setterMethodName" : "setModificationState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "modificationState",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
],
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Current state of modification. Possible values are \<code>modifying</code> | \<code>optimizing</code> | \<code>complete</code> | \<code>failed</code>. Modification state is null for unmodified volumes. \n@param modificationState Current state of modification. Possible values are \<code>modifying</code> | \<code>optimizing</code> | \<code>complete</code> | \<code>failed</code>. Modification state is null for unmodified volumes. \n@return Returns a reference to this object so that method calls can be chained together.\n</p>\n@see VolumeModificationState*/",
"variable" : {
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"variableName" : "modificationState",
"variableType" : "String",
"documentation" : "<p>Current state of modification. Possible values are \<code>modifying</code> | \<code>optimizing</code> | \<code>complete</code> | \<code>failed</code>. Modification state is null for unmodified volumes. \</p>\n","simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
"OriginalIops" : {
  "c2jName" : "OriginalIops",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "Original IOPS rate of the volume being modified.\n  
  @return Returns a reference to this object so that method calls can be chained together.\n  
  @param originalIops Original IOPS rate of the volume being modified.\n  
  @return Original IOPS rate of the volume being modified.\n  
  @getterDocumentation" : "/**\n   * Original IOPS rate of the volume being modified.\n   * \n   * @return\n   * Original IOPS rate of the volume being modified.\n   * \n   * @getterMethodName" : "getOriginalIops",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
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    "statusCode" : false,
    "unmarshallLocationName" : "originalIops",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "OriginalIops",
  "setterDocumentation" : "/**\n   * Original IOPS rate of the volume being modified.\n   * \n   * @param originalIops Original IOPS rate of the volume being modified.\n   * \n   * @setterMethodName" : "setOriginalIops",
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    "documentation" : "",
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    "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**<p>Original IOPS rate of the volume being modified.</p>
@param originalIops Original IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Integer",
  "documentation" : "<p>Original IOPS rate of the volume being modified.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"OriginalSize" : {
  "c2jName" : "OriginalSize",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>Original size of the volume being modified.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Original size of the volume being modified.</p>
  @param originalSize Original size of the volume being modified.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOriginalSize",
  "getterDocumentation" : "/**<p>Original size of the volume being modified.</p>
  @return Original size of the volume being modified.*/",
  "getterMethodName" : "getOriginalSize",
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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OriginalSize",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "originalSize",
    "uri" : false
  },
  "idempotencyToken" : false,
**OriginalVolumeType**

Original EBS volume type of the volume being modified.

```java
public class OriginalVolumeType {
    // setter method
    public void setOriginalVolumeType(String originalVolumeType) {
        // implementation
    }
}
```

**setterDocumentation**

```java
/**
 * Original EBS volume type of the volume being modified.
 * @param originalVolumeType Original EBS volume type of the volume being modified.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see VolumeType*/
```

**variable**

```java
String originalVolumeType;
```

**variableDocumentation**

```java
<p>Original EBS volume type of the volume being modified.</p>
```

**variableSetterType**

```java
String
```

**xmlNameSpaceUri**

```java
null
```
"deprecated" : false,
"documentation" : "<p>Modification progress from 0 to 100%.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Modification progress from 0 to 100%.</p>
@param progress
 Modification progress from 0 to 100%.
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "/**<p>Modification progress from 0 to 100%.</p>
@return Modification progress from 0 to 100%.
*/",
"getterMethodName" : "getProgress",
"getterModel" : {
    "returnType" : "Long",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Progress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "progress",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Progress",
"setterDocumentation" : "/**<p>Modification progress from 0 to 100%.</p>
@param progress
 Modification progress from 0 to 100%.
*/",
"setterMethodName" : "setProgress",
"setterModel" : {
    "variableDeclarationType" : "Long",
    "variableName" : "progress",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Modification progress from 0 to 100%.</p>
@param progress
 Modification progress from 0 to 100%.
*/"
Modification progress from 0 to 100%. 

@returns Returns a reference to this object so that method calls can be chained together. */

    "variable" : {
        "variableDeclarationType" : "Long",
        "variableName" : "progress",
        "variableType" : "Long",
        "documentation" : "<p>Modification progress from 0 to 100%.</p>",
        "simpleType" : "Long",
        "variableSetterType" : "Long"
    },
    "xmlNameSpaceUri" : null
},
"StartTime" : {
    "c2jName" : "StartTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>Modification start time</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Modification start time</p>
 @param startTime Modification start time
 @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withStartTime",
    "getterDocumentation" : "/**<p>Modification start time</p>
 @return Modification start time*/",
    "getterMethodName" : "getStartTime",
    "getterModel" : {
        "returnType" : "java.util.Date",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "StartTime",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "startTime",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "StartTime",
    "type" : "ObjectType",
    "actualType" : "aws.s3.Bucket",
    "cpName" : "Bucket",
    "cpy" : false,
    "cpyName" : "Bucket",
    "docs" : null,
    "isDataObject" : true,
    "isModel" : true,
    "isServiceModel" : true,
    "isServiceModelObject" : true,
    "marshallLocationName" : "Bucket",
    "name" : "Bucket",
    "namePrefix" : null,
    "nameVertical" : null,
    "nameVerticalPrefix" : null,
    "partition" : "aws",
    "service" : "s3",
    "signingName" : null,
    "subservice" : null,
    "typeOf" : "Bucket",
    "versioning" : {
        "account" : null,
        "Glacier" : false,
        "CreationDate" : null,
        "Id" : null,
        "Metric" : false,
        "Type" : "Enabled",
        "versioningConfiguration" : {
            "Status" : null,
            "Type" : null
        }
    },
    "versioningConfiguration" : {
        "status" : null,
        "type" : null
    }
}
"setterDocumentation" : "/**\nModification start time </p>
@param startTime Modification start time*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nModification start time </p>
@param startTime Modification start time
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "<p>Modification start time </p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Generic status message on modification progress or failure.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nGeneric status message on modification progress or failure.
@param statusMessage Generic status message on modification progress or failure.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**\nGeneric status message on modification progress or failure.
@return Generic status message on modification progress or failure.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StatusMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>Generic status message on modification progress or failure.</p>
@param statusMessage Generic status message on modification progress or failure.*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Generic status message on modification progress or failure.</p>
@param statusMessage Generic status message on modification progress or failure.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "<p>Generic status message on modification progress or failure.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"TargetIops" : {
  "c2jName" : "TargetIops",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>Target IOPS rate of the volume being modified.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@param targetIops Target IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTargetIops",
  "name" : "TargetIops",
  "setterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@param targetIops Target IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setTargetIops",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "targetIops",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@param targetIops Target IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "targetIops",
    "variableType" : "Integer",
    "documentation" : "<p>Target IOPS rate of the volume being modified.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
"xmlNameSpaceUri" : null}
"getterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@return Target IOPS rate of the volume being modified.*/",
"getterMethodName" : "getTargetIops",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TargetIops",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "targetIops",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetIops",
"setterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@param targetIops Target IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTargetIops",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "targetIops",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@param targetIops Target IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "targetIops",
    "variableType" : "Integer",
    "documentation" : ""}
"setterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@return Target IOPS rate of the volume being modified.*/
"setterMethodName" : "setTargetIops",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "targetIops",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@param targetIops Target IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "targetIops",
    "variableType" : "Integer",
    "documentation" : ""}
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"TargetSize": {
"c2jName": "TargetSize",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>Target size of the volume being modified.</p>",
"enumType": null,
"fluentSetterDocumentation": "/*/p>Target size of the volume being modified.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/*/",
"fluentSetterMethodName": "withTargetSize",
"getterDocumentation": "/*/p>Target size of the volume being modified.</p>
@returns Target size of the volume being modified.*/*

getterMethodName": "getTargetSize",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "TargetSize",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "targetSize",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "TargetSize",
"setterDocumentation": "/*/p>Target size of the volume being modified.</p>
@returns Target size of the volume being modified.*/*

setterMethodName": "setTargetSize",
"setterModel": {
"variableDeclarationType": "Integer"
"variableName" : "targetSize",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Target size of the volume being modified.</p>
@param targetSize
Target size of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "targetSize",
"variableType" : "Integer",
"documentation" : "<p>Target size of the volume being modified.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"TargetVolumeType" : {
"c2jName" : "TargetVolumeType",
"c2jShape" : "VolumeType",
"deprecated" : false,
"documentation" : "<p>Target EBS volume type of the volume being modified.</p>",
"enumType" : "VolumeType",
"fluentSetterDocumentation" : "/**<p>Target EBS volume type of the volume being modified.</p>
@param targetVolumeType Target EBS volume type of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"fluentSetterMethodName" : "withTargetVolumeType",
"getterDocumentation" : "/**<p>Target EBS volume type of the volume being modified.</p>
@return Target EBS volume type of the volume being modified.
@see VolumeType*/",
"getterMethodName" : "getTargetVolumeType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetVolumeType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetVolumeType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetVolumeType",
"setterDocumentation" : "/**\n* Target EBS volume type of the volume being modified.\n* @param targetVolumeType Target EBS volume type of the volume being modified.\n* @see VolumeType*/",
"setterMethodName" : "setTargetVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVolumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Target EBS volume type of the volume being modified.\n* @param targetVolumeType Target EBS volume type of the volume being modified.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see VolumeType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVolumeType",
  "variableType" : "String",
  "documentation" : "<p>Target EBS volume type of the volume being modified.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeId" : {
  "c2jName" : "VolumeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>ID of the volume being modified.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* ID of the volume being modified.\n* @param volumeId ID of the volume being modified.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumeId",
  "getterDocumentation" : "/**\n* ID of the volume being modified.\n* @return ID of the volume being modified.\n* @see VolumeId*/",
  "getterMethodName" : "getVolumeId",
  "getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"returnType" : "String",
"documentation" : null
],
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VolumeId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "volumeId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>ID of the volume being modified.</p>
@param volumeId ID of the volume being modified.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "volumeId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>ID of the volume being modified.</p>
@param volumeId ID of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "volumeId",
 "variableType" : "String",
 "documentation" : "<p>ID of the volume being modified.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VolumeModification",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "VolumeModification",
  "variableName": "volumeModification",
  "variableType": "VolumeModification",
  "documentation": null,
  "simpleType": "VolumeModification",
  "variableSetterType": "VolumeModification"
},
"wrapper": false
},
"VolumeModificationState": {
  "c2jName": "VolumeModificationState",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [{
    "name": "Modifying",
    "value": "modifying"
  }, {
    "name": "Optimizing",
    "value": "optimizing"
  }, {
    "name": "Completed",
    "value": "completed"
  }, {
    "name": "Failed",
    "value": "failed"
  }],
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeModificationState",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VolumeModificationState",
  "variableName" : "volumeModificationState",
  "variableType" : "VolumeModificationState",
  "documentation" : null,
  "simpleType" : "VolumeModificationState",
  "variableSetterType" : "VolumeModificationState"
},
"wrapper" : false
},
"VolumeState" : {
  "c2jName" : "VolumeState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Creating",
    "value" : "creating"
  }, { 
    "name" : "Available",
    "value" : "available"
  }, { 
    "name" : "InUse",
    "value" : "in-use"
  }, { 
    "name" : "Deleting",
    "value" : "deleting"
  }, { 
    "name" : "Deleted",
    "value" : "deleted"
  }, { 
    "name" : "Error",
    "value" : "error"
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeState",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VolumeState",
  "variableName" : "volumeState",
  "variableType" : "VolumeState",
  "documentation" : null,
  "simpleType" : "VolumeState",
  "variableSetterType" : "VolumeState"
},
"wrapper" : false
},
"VolumeStatusAction" : {
  "c2jName" : "VolumeStatusAction",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a volume status operation code.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Code",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>Describes a volume status operation code.</p>"
    }
  ]
}
"documentation": "<p>The code identifying the operation, for example, <code>enable-volume-io</code>.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The code identifying the operation, for example, <code>enable-volume-io</code>.</p>
@param code The code identifying the operation, for example, <code>enable-volume-io</code>.*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCode",
"getterDocumentation": "/**<p>The code identifying the operation, for example, <code>enable-volume-io</code>.</p>
@return The code identifying the operation, for example, <code>enable-volume-io</code>.*/",
"getterMethodName": "getCode",
"getterModel": {
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  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Code",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "code",
  "uri": false
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"list": false,
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"map": false,
"mapModel": null,
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"setterMethodName": "setCode",
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  "variableName": "code",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
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  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The code identifying the operation, for example, &lt;code&gt;enable-volume-io&lt;/code&gt;.&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the operation.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the operation.&lt;/p&gt;\n@param description A description of the operation.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withDescription",
"getDocumentation" : "/**<p>A description of the operation.&lt;/p&gt;\n@return A description of the operation.*/",

"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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"listModel" : null,
"map" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "eventType",
"uri" : false
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"mapModel" : null,
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  "variableName" : "eventType",
  "variableType" : "String",
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},
"simple" : true,
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The event type associated with this operation.
\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "String",
  "documentation" : "<p>The event type associated with this operation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jName" : "EventId",
"c2jShape" : "String",
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"enumType" : null,
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\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withEventId",
"getterDocumentation" : "/**<p>The ID of the event associated with this operation.</p>
@return The ID of the event associated with this operation.*"",
"getterMethodName" : "getEventId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "eventId",
  "uri" : false
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"mapModel" : null,
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"setterMethodName" : "setEventId",
"setterModel" : {
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  "variableName" : "eventId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "eventId",
  "variableType" : "String",
  "documentation" : null
}
"documentation" : "The ID of the event associated with this operation.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
} ],
"membersAsMap" : {
  "Code" : {
    "c2jName" : "Code",
    "c2jShape" : "String",
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    io&lt;/code&gt;.&lt;/p&gt;",
    "enumType" : null,
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    volume-io&lt;/code&gt;&lt;/p&gt;&lt;br&gt;&lt;code&gt;enable-volume-io&lt;/code&gt;&lt;/p&gt;&lt;/param&gt;\n    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCode",
    "getterDocumentation" : "&lt;p&gt;The code identifying the operation, for example, &lt;code&gt;enable-volume-
    io&lt;/code&gt;.&lt;/p&gt;&lt;/p&gt;&lt;/param&gt;\n    \n    @return The code identifying the operation, for example, &lt;code&gt;enable-volume-
    io&lt;/code&gt;&lt;/p&gt;*/",
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "code",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Code",
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    io&lt;/code&gt;.&lt;/p&gt;&lt;br&gt;&lt;code&gt;enable-volume-io&lt;/code&gt;&lt;/p&gt;&lt;/param&gt;\n    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
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      "documentation" : null
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    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
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\*/
"variable": {
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    "simpleType": "String",
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "&lt;p&gt;A description of the operation.&lt;/p&gt;",
    "enumType": null,
    "fluentSetterDocumentation": "/**&lt;p&gt;A description of the operation.&lt;/p&gt;\n@param description A description of the operation.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;\n*/
"fluentSetterMethodName": "withDescription",
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@param description A description of the
operation.*/",
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@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableType" : "String",
  "documentation" : "<p>A description of the operation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"EventId" : {
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  "c2jShape" : "String",
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  "enumType" : null,
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@\n@return Returns a reference to this object so that method calls can be chained together.*/",}
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
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"map" : false,
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"variableDeclarationType" : "String",
"variableName" : "eventId",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
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"variableType" : "String"}
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"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "EventType",
"c2jShape": "String",
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"enumType": null,
"fluentSetterDocumentation": "The event type associated with this operation."",
"eventType": The event type associated with this operation.
@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName": "withEventType",
"getterDocumentation": "The event type associated with this operation."",
"getterMethodName": "getEventType",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "eventType",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EventType",
"setterDocumentation": "The event type associated with this operation."",
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"variableName" : "eventType",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<br>The event type associated with this operation.</br>@param
eventType The event type associated with this operation.</br>@return Returns a reference to this object so that method calls can be chained together.</br/>
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"variableType" : "String",
"documentation" : "<p>The event type associated with this operation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "VolumeStatusAction",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "VolumeStatusAction",
"variableName" : "volumeStatusAction",
"variableType" : "VolumeStatusAction",
"documentation" : null,
"simpleType" : "VolumeStatusAction",
"variableSetterType" : "VolumeStatusAction"
},
"wrapper" : false
},
"VolumeStatusDetails" : {
"c2jName" : "VolumeStatusDetails",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
}
"deprecated" : false,
"documentation" : "<p>Describes a volume status.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "Name",
  "c2jShape" : "VolumeStatusName",
  "deprecated" : false,
  "documentation" : "<p>The name of the volume status.</p>",
  "enumType" : "VolumeStatusName",
  "fluentSetterDocumentation" : "/**<p>The name of the volume status.</p>
@<p>@param name The name of the volume status.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeStatusName*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/**<p>The name of the volume status.</p>
@<p>@return The name of the volume status.
@see VolumeStatusName*/",
  "getterMethodName" : "getName",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  }
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"http" : { 
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Name",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "name",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>The name of the volume status.</p>
@<p>@param name The name of the volume status.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeStatusName*/"}
status.

```javascript
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the volume status.</p>
@param name The name of the volume status.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeStatusName*/",

```
```

```javascript
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The name of the volume status.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The intended status of the volume status.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The intended status of the volume status.</p>
@param status The intended status of the volume status.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeStatusName*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**<p>The intended status of the volume status.</p>
@return The intended status of the volume status.
@see VolumeStatusName*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
```
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
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@param status The intended status of the volume status.*/",
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"setterModel" : {
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The intended status of the volume status.
@param status The intended status of the volume status.
@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The intended status of the volume status.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"
"membersAsMap" : {
  "Name" : {
    "c2jName" : "Name",
    "c2jShape" : "VolumeStatusName",
    "deprecated" : false,
    "documentation" : "<p>The name of the volume status.</p>",
    "enumType" : "VolumeStatusName",
    "fluentSetterDocumentation" : "/**\n@param name The name of the volume status.
@return Returns a reference to this object so that method calls can be chained
together.*/",
    "xmlNameSpaceUri" : null
  }]
}"

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"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>The name of the volume status.</p>
@return The name of the volume status.
@see VolumeStatusName*/",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
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  "unmarshallLocationName" : "name",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
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@param name The name of the volume status.
@see VolumeStatusName*/",
"setterMethodName" : "setName",
"setterModel" : {
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  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the volume status.</p>
@param name The name of the volume status.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeStatusName*/",
"variable" : {
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  "variableName" : "name",
  "variableType" : "String"}
"documentation" : "The name of the volume status.\p">
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Status" : {
"c2jName" : "Status",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The intended status of the volume status.\p">
"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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A description of the event.

```java
/**
 * A description of the event.
 * @param description A description of the event.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
/**
 * The earliest start time of the event.
 * @param notBefore The earliest start time of the event.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
/**
 * The earliest start time of the event.
 * @return The earliest start time of the event.
 */
```

```java
/**
 * The earliest start time of the event.
 * @param notBefore The earliest start time of the event.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
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@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together."/",
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@return Returns a reference to this object so that method calls can be chained together."/",
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 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
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 "c2jShape" : "VolumeStatusInfoStatus",
 "deprecated" : false,
 "documentation" : "<p>The status of the volume.</p>",
 "enumType" : "VolumeStatusInfoStatus",
 "fluentSetterDocumentation" : "/**<p>The status of the volume.</p>
 @param status The status of the volume.
 @return Returns a reference to this object so that method calls can be chained together.
 @see VolumeStatusInfoStatus*/",
 "fluentSetterMethodName" : "withStatus",
 "getterDocumentation" : "/**<p>The status of the volume.</p>
 @return The status of the volume.
 @see VolumeStatusInfoStatus*/",
 "getMethodName" : "getStatus",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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"uri" : false
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"mapModel" : null,
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@param status The status of the volume.*/",
"setterMethodName" : "setStatus",
"setterModel" : {

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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@param status The status of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The status of the volume.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "VolumeStatusDetailsList",
"deprecated" : false,
"documentation" : "<p>The details of the volume status.</p>",
"simpleType" : "null",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The details of the volume status.</p>
@param details The details of the volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDetails",
"getterDocumentation" : "/**<p>The details of the volume status.</p>
@return The details of the volume status.*/",
"getterMethodName" : "getDetails",
"getterModel" : {

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"documentation": null
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  "header": false,
  "isPayload": false,
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  "statusCode": false,
  "unmarshallLocationName": "details",
  "uri": false
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"idempotencyToken": false,
"list": true,
"ListModel": {
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  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "VolumeStatusDetails",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member \n     * @return Returns a reference to this object so that
     * method calls can be chained together */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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    "greedy": false,
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  }
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"setterDocumentation": "/**<p>The details of the volume status.</p>
@param details The details of the volume status.*/",
"setterMethodName": "setDetails",
"setterModel": {
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  "variableName": "details",
  "variableType": "java.util.List<VolumeStatusDetails>",
  "documentation": "",
  "simpleType": "List<VolumeStatusDetails>",
  "variableSetterType": "java.util.Collection<VolumeStatusDetails>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The details of the volume status.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setDetails(java.util.Collection)] or [@link withDetails(java.util.Collection)] if you want to override the existing values.</p>
@param details The details of the volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The details of the volume status.</p>",
  "simpleType": "List<VolumeStatusDetails>",
  "variableSetterType": "java.util.Collection<VolumeStatusDetails>"
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    "enumType": null,
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@param details The details of the volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**<p>The details of the volume status.</p>
@return The details of the volume status.*/",
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      "documentation": null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "details",
"uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "VolumeStatusDetails",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together.*/",
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    "getterDocumentation" : "/**
    @return */",
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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"listModel" : null,
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"mapModel" : null,
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@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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 "variableName" : "member",
 "variableType" : "VolumeStatusDetails",
 "documentation" : "",
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 "variableSetterType" : "VolumeStatusDetails"
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method calls can be chained together.*/",
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 "variableType" : "VolumeStatusDetails",
 "documentation" : "",
 "simpleType" : "VolumeStatusDetails",
 "variableSetterType" : "VolumeStatusDetails"
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"xmlNameSpaceUri" : null
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"memberType" : "VolumeStatusDetails",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusDetails>",
"templateType" : "java.util.List<VolumeStatusDetails>"
},
"map" : false,
"mapModel" : null,
"name" : "Details",
"setterDocumentation" : "/**\n<p>The details of the volume status.</p>
@param details The details of the
volume status.</param\n@return The details of the
volume status.*/",
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"setterModel" : {
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 "variableName" : "details",
 "variableType" : "VolumeStatusDetails",
 "documentation" : "",
 "simpleType" : "VolumeStatusDetails",
 "variableSetterType" : "VolumeStatusDetails"
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"simple" : false,
"simpleType" : "VolumeStatusDetails",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusDetails>",
"templateType" : "java.util.List<VolumeStatusDetails>"
"variableType" : "java.util.List<VolumeStatusDetails>",
"documentation" : "",
"simpleType" : "List<VolumeStatusDetails>",
"variableSetterType" : "java.util.Collection<VolumeStatusDetails>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The details of the volume status.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDetails(java.util.Collection)} or {@link #withDetails(java.util.Collection)} if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"documentation" : "The details of the volume status.",
"simpleType" : "List<VolumeStatusDetails>",
"variableSetterType" : "java.util.Collection<VolumeStatusDetails>"
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"Status" : {
"c2jName" : "Status",
"c2jShape" : "VolumeStatusInfoStatus",
"deprecated" : false,
"documentation" : "The status of the volume.",
"enumType" : "VolumeStatusInfoStatus",
"fluentSetterDocumentation" : "/**<p>The status of the volume.</p>\n@param status The status of the volume.
@return Returns a reference to this object so that method calls can be chained together.\n@see VolumeStatusInfoStatus*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status of the volume.</p>\n@return The status of the volume.\n@see VolumeStatusInfoStatus*/",
"getterMethodName" : "getStatus",
"getterModel" : {
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the volume.<p>
@see VolumeStatusInfoStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the volume.<p>
@see VolumeStatusInfoStatus*/",
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  "variableType" : "String",
  "documentation" : "<p>The status of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeStatusInfo",
"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "volumeStatusInfo",
  "variableType" : "VolumeStatusInfo"
"variableSetterType" : "VolumeStatusInfoStatus",
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"wrapper" : false
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"VolumeStatusItem" : {
"c2jName" : "VolumeStatusItem",
"customization" : {
"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "\p>Describes the volume status.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\p>The volume ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>\n@param volumeId The volume ID.</p>@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**\p>\n@return The volume ID.</p>@return The volume ID.*/",
"getMethodName" : "getVolumeId",
"getModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**\n * The volume ID.
 */
\n * @param volumeId The volume ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

varargSetterDocumentation" : "/**\n * The volume ID.
 */
\n * @param volumeId The volume ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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  "variableType" : "String",
  "documentation" : "The volume ID.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The volume ID.
 */
\n * @param volumeId The volume ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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  "variableType" : "String",
  "documentation" : "The volume ID.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The Availability Zone of the volume.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The Availability Zone of the volume.\n * @param availabilityZone The Availability Zone of the volume.\n * @return Returns a reference to this object so that method calls can be chained together.\n */

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**\n * The Availability Zone of the volume.\n * @return The Availability Zone of the volume.\n */

"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"documentation" : "The Availability Zone of the volume.\n",...
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    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "statusCode": false,
    "unmarshallLocationName": "availabilityZone",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AvailabilityZone",
"setterDocumentation": "/**<p>The Availability Zone of the volume.</p>
@param availabilityZone The Availability Zone of the volume.*/",
"setterMethodName": "setAvailabilityZone",
"setterModel": {
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    "variableType": "String",
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    "variableSetterType": "String"
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"simple": true,
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@n@param availabilityZone The Availability Zone of the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableType": "String",
    "documentation": "<p>The Availability Zone of the volume.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "VolumeStatus",
"c2jShape": "VolumeStatusInfo"
"deprecated" : false,
"documentation" : "<p>The volume status.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The volume status.</p>
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeStatus",
"getterDocumentation" : "/**<p>The volume status.</p>
@return The volume status.*/",
"getterMethodName" : "getVolumeStatus",
"getterModel" : {
"returnType" : "VolumeStatusInfo",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "volumeStatus",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeStatus",
"setterDocumentation" : "/**<p>The volume status.</p>
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeStatus",
"setterModel" : {
"variableDeclarationType" : "VolumeStatusInfo",
"variableName" : "volumeStatus",
"variableType" : "VolumeStatusInfo",
"documentation" : "",
"simpleType" : "VolumeStatusInfo",
"variableSetterType" : "VolumeStatusInfo"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The volume status.</p>
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VolumeStatusInfo",
"varargSetterDocumentation" : "/**<p>The volume status.</p>
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/
"variab..." VariableDeclaration Type: "VolumeStatusInfo",
"variableSetterType" : "VolumeStatusInfo"}
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"variableType": "VolumeStatusInfo",
"documentation": "<p>The volume status.</p>",
"simpleType": "VolumeStatusInfo",
"variableSetterType": "VolumeStatusInfo"
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"xmlNameSpaceUri": null
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"c2jName": "Events",
"c2jShape": "VolumeStatusEventsList",
"deprecated": false,
"documentation": "<p>A list of events associated with the volume.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A list of events associated with the volume.</p>
@param events A list of events associated with the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withEvents",
"getterDocumentation": "/**<p>A list of events associated with the volume.</p>
@return A list of events associated with the volume.*/",
"getterMethodName": "getEvents",
"getterModel": {
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  "documentation": null
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  "unmarshallLocationName": "eventsSet",
  "uri": false
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"idempotencyToken": false,
"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "VolumeStatusEvent",
    "deprecated": false,
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"documentation" : "",
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"variableSetterType" : "VolumeStatusEvent"
},
"xmlnsSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "VolumeStatusEvent",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeStatusEvent",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
"templateType" : "java.util.List<VolumeStatusEvent>
",
"map" : false,
"mapModel" : null,
"name" : "Events",
"setterDocumentation" : "/**<p>A list of events associated with the volume.</p>
@param events A list of events associated with the volume.*/",
"setterMethodName" : "setEvents",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
 "variableName" : "events",
 "variableType" : "java.util.List<VolumeStatusEvent>",
 "documentation" : "",
 "simpleType" : "List<VolumeStatusEvent>",
 "variableSetterType" : "java.util.Collection<VolumeStatusEvent>
",
 "simple" : false,
 "varargSetterDocumentation" : "/**<p>A list of events associated with the volume.</p>
\n@see \n */
This method appends the values to the existing list (if any). Use { @link #setEvents(java.util.Collection}) or { @link #withEvents(java.util.Collection}) if you want to override the existing values.\n\n@see param events A list of events associated with the volume.\n@see return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
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 "variableName" : "events",
 "variableType" : "java.util.List<VolumeStatusEvent>",
 "documentation" : "<p>A list of events associated with the volume.</p>",
 "simpleType" : "List<VolumeStatusEvent>",
 "variableSetterType" : "java.util.Collection<VolumeStatusEvent>
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"http": {
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  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "///\n@param member */",
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"setterModel": {
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  "variableName": "member",
  "variableType": "VolumeStatusAction",
  "documentation": "",
  "simpleType": "VolumeStatusAction",
  "variableSetterType": "VolumeStatusAction"
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"simple": false,
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  "variableName": "member",
  "variableType": "VolumeStatusAction",
  "documentation": "",
  "simpleType": "VolumeStatusAction",
  "variableSetterType": "VolumeStatusAction"
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"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "VolumeStatusAction"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeStatusAction",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
"templateType" : "java.util.List<VolumeStatusAction>",
},
"map" : false,
"mapModel" : null,
"name" : "Actions",
"setterDocumentation" : "/**\n<p>The details of the operation.</p>
@param actions The details of the operation.*\n*/",
"setterMethodName" : "setActions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
  "variableName" : "actions",
  "variableType" : "java.util.List<VolumeStatusAction>",
  "documentation" : "",
  "simpleType" : "List<VolumeStatusAction>",
  "variableSetterType" : "java.util.Collection<VolumeStatusAction>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The details of the operation.</p>
@param actions The details of the operation.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
  "variableName" : "actions",
  "variableType" : "java.util.List<VolumeStatusAction>",
  "documentation" : "<p>The details of the operation.</p>
 "simpleType" : "List<VolumeStatusAction>",
  "variableSetterType" : "java.util.Collection<VolumeStatusAction>",
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"xmlnsSpaceUri" : "null"
],
"membersAsMap" : {
"Actions" : {
  "c2jName" : "Actions",
  "c2jShape" : "VolumeStatusActionsList",
  "deprecated" : false,
  "documentation" : "<p>The details of the operation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The details of the operation.</p>
@param actions The details of the operation.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",

"fluentSetterMethodName" : "withActions",
"getterDocumentation" : "/**\nThe details of the operation.*/\n\n\n@return The details of the operation.*/",
"getterMethodName" : "getActions",
"getterModel" : {
  "returnType" : "java.util.List<VolumeStatusAction>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "actionsSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VolumeStatusAction",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "
    \n    \n    */\n    \n    @param member \n    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n    \n    */\n    \n    @return \n    \n    */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "VolumeStatusAction",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VolumeStatusAction",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    }
  }
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VolumeStatusAction",
  "variableName" : "member",
  "variableType" : "VolumeStatusAction",
  "documentation" : "",
  "simpleType" : "VolumeStatusAction",
  "variableSetterType" : "VolumeStatusAction"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "VolumeStatusAction",
  "variableName" : "member",
  "variableType" : "VolumeStatusAction",
  "documentation" : "",
  "simpleType" : "VolumeStatusAction",
  "variableSetterType" : "VolumeStatusAction"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeStatusAction",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeStatusAction",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>".

---

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"templateType" : "java.util.List<VolumeStatusAction>" },
"map" : false,
"mapModel" : null,
"name" : "Actions",
"setterDocumentation" : "/**<p>The details of the operation.</p>
@param actions The details of the operation.*/",
"setterMethodName" : "setActions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
"variableName" : "actions",
"variableType" : "java.util.List<VolumeStatusAction>",
"documentation" : "",
"simpleType" : "List<VolumeStatusAction>",
"variableSetterType" : "java.util.Collection<VolumeStatusAction>"
},
"simple" : false,
"varargSetterDocumentation" : "###<p>The details of the operation.</p>

###<p>NOTE: This method appends the values to the existing list (if any). Use [@link #setActions(java.util.Collection)] or [@link #withActions(java.util.Collection)] if you want to override the existing values.</p>

###<p>param actions The details of the operation.</p>

###<p>return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
"variableName" : "actions",
"variableType" : "java.util.List<VolumeStatusAction>",
"documentation" : "<p>The details of the operation.</p>

###<p>return The Availability Zone of the volume.*/",
"xmlNameSpaceUri" : null
},
"AvailabilityZone" : {
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the volume.</p>

###<p>return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "###<p>The Availability Zone of the volume.</p>

###<p>return The Availability Zone of the volume.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AvailabilityZone",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "availabilityZone",
    "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the volume.</p>
@param availabilityZone The Availability Zone of the volume.</param>
@returns Returns a reference to this object so that method calls can be chained together.
*/",

"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The Availability Zone of the volume.</p>
@param availabilityZone The Availability Zone of the volume.
@returns Returns a reference to this object so that method calls can be chained together.
*/",

"variable" : {
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    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "<p>The Availability Zone of the volume.</p>
@returns Returns a reference to this object so that method calls can be chained together.
",

    "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"Events" : {
    "c2jName" : "Events"
"c2jShape" : "VolumeStatusEventsList",
"deprecated" : false,
"documentation" : "<p>A list of events associated with the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A list of events associated with the volume.</p>
@param events A list of events associated with the volume.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withEvents",
"getterDocumentation" : "/**<p>A list of events associated with the volume.</p>
@return A list of events associated with the volume.*/",
"getterMethodName" : "getEvents",
"getterModel" : {
"returnType" : "java.util.List<VolumeStatusEvent>",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "eventsSet",
"uri" : false
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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "VolumeStatusEvent",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
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"returnType" : "VolumeStatusEvent",
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param events A list of events associated with the volume.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withEvents",
"getterDocumentation" : "/**\n@return A list of events associated with the volume.*/",
"getterMethodName" : "getEvents",
"getterModel" : {
"returnType" : "java.util.List<VolumeStatusEvent>",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "eventsSet",
"uri" : false
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"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VolumeStatusEvent",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VolumeStatusEvent",
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param events A list of events associated with the volume.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withEvents",
"getterDocumentation" : "/**\n@return A list of events associated with the volume.*/",
"getterMethodName" : "getEvents",
"getterModel" : {
"returnType" : "java.util.List<VolumeStatusEvent>",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EventsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventsSet",
"uri" : false
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"listModel" : {
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "VolumeStatusEvent",
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"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
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"documentation" : "",
"enumType" : null,
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@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withEvents",
"getterDocumentation" : "/**\n@return A list of events associated with the volume.*/",
"getterMethodName" : "getEvents",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "eventsSet",
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "VolumeStatusEvent",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "VolumeStatusEvent",
"documentation" : "",
"simpleType" : "VolumeStatusEvent",
"variableSetterType" : "VolumeStatusEvent"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VolumeStatusEvent",
"variableName" : "member",
"variableType" : "VolumeStatusEvent",
"documentation" : "",
"simpleType" : "VolumeStatusEvent",
"variableSetterType" : "VolumeStatusEvent"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "VolumeStatusEvent"}
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VolumeStatusEvent",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
"templateType": "java.util.List<VolumeStatusEvent>"
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"map": false,
"mapModel": null,
"name": "Events",
"setterDocumentation": "/**\nA list of events associated with the volume.<p></p>\n@param events A list of events associated with the volume.*/",
"setterMethodName": "setEvents",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
  "variableName": "events",
  "variableType": "java.util.List<VolumeStatusEvent>",
  "documentation": "",
  "simpleType": "List<VolumeStatusEvent>",
  "variableSetterType": "java.util.Collection<VolumeStatusEvent>"
},
"simple": false,
"varargSetterDocumentation": "/**\nA list of events associated with the volume.<p></p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setEvents(java.util.Collection)] or [@link #withEvents(java.util.Collection)] if you want to override the existing values.<p></p>\n@param events A list of events associated with the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
  "variableName": "events",
  "variableType": "java.util.List<VolumeStatusEvent>",
  "documentation": "A list of events associated with the volume.<p></p>",
  "simpleType": "List<VolumeStatusEvent>",
  "variableSetterType": "java.util.Collection<VolumeStatusEvent>"
},
"xmlNameSpaceUri": null
},
"VolumeId": {
  "c2jName": "VolumeId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The volume ID.<p></p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\nThe volume ID.<p></p>\n@param volumeId The volume ID.\n@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName": "withVolumeId",
"getterDocumentation": "/**\n<p>The volume ID.</p>
\n@return The volume ID.*/",
"getterMethodName": "getVolumeId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VolumeId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "volumeId",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "VolumeId",

"setterDocumentation": "/**\n<p>The volume ID.</p>
\n@param volumeId The volume ID.
\n@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName": "setVolumeId",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"varargSetterDocumentation": "/**\n<p>The volume ID.</p>
\n@param volumeId The volume ID.
\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "<p>The volume ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
**The volume status.**

@returns Returns a reference to this object so that method calls can be chained together.

```java
"variable": {
  "variableDeclarationType": "VolumeStatusInfo",
  "variableName": "volumeStatus",
  "variableType": "VolumeStatusInfo",
  "documentation": "The volume status.

  \*\*<p>The volume status.</p>\*",
  "simpleType": "VolumeStatusInfo",
  "variableSetterType": "VolumeStatusInfo"
},
"xmlNameSpaceUri": null
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}
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VolumeStatusItem",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "VolumeStatusItem",
  "variableName": "volumeStatusItem",
  "variableType": "VolumeStatusItem",
  "documentation": null,
  "simpleType": "VolumeStatusItem",
  "variableSetterType": "VolumeStatusItem"
},
"wrapper": false
},
"VolumeStatusName": {
  "c2jName": "VolumeStatusName",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
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      "name": "IoEnabled",
      "value": "io-enabled"
    },
    {
      "name": "IoPerformance",
      "value": "io-performance"
    }
  ],
  "xmlNameSpaceUri": null
}
}
"value" : "io-performance"
},
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeStatusName",
"unmarshaller" : { 
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "VolumeStatusName",
"variableName" : "volumeStatusName",
"variableType" : "VolumeStatusName",
"documentation" : null,
"simpleType" : "VolumeStatusName",
"variableSetterType" : "VolumeStatusName"
},
"wrapper" : false
},
"VolumeType" : {
"c2jName" : "VolumeType",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
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"documentation" : "",
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"value" : "standard"
}, {
"name" : "Io1",
"value" : "io1"
}, {
"name" : "Gp2",
"value" : "gp2"
}];
"name" : "Sc1",
"value" : "sc1"
},

"name" : "St1",
"value" : "st1"
}

"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeType",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {
  "variableDeclarationType" : "VolumeType",
  "variableName" : "volumeType",
  "variableType" : "VolumeType",
  "documentation" : null,
  "simpleType" : "VolumeType",
  "variableSetterType" : "VolumeType"
},

"wrapper" : false
},

"Vpc" : {
  "c2jName" : "Vpc",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a VPC.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
  @return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpcId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
},
{
  "c2jName": "State",
  "c2jShape": "VpcState",
  "deprecated": false,
  "documentation": "<p>The current state of the VPC.</p>",
  "enumType": "VpcState",
  "fluentSetterDocumentation": "/**<p>The current state of the VPC.</p>
@param state The current state of the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcState*/",
  "fluentSetterMethodName": "withState",
  "getterDocumentation": "/**<p>The current state of the VPC.</p>
@return The current state of the VPC.
@see VpcState*/",
  "getterMethodName": "getState",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "State",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "state",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,
"setterDocumentation" : "/**\n<p>The current state of the VPC.</p>
@param state The current state of the VPC.
@see VpcState*/",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The current state of the VPC.</p>
@param state The current state of the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcState*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "The current state of the VPC.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv4 CIDR block for the VPC.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcState*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**\n<p>The IPv4 CIDR block for the VPC.</p>
@return The IPv4 CIDR block for the VPC.
@see VpcState*/",
"getterMethodName" : "getCidrBlock",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**\n<p>The IPv4 CIDR block for the VPC.</p>\n\n@param cidrBlock The IPv4 CIDR block for the VPC.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The IPv4 CIDR block for the VPC.</p>\n\n@param cidrBlock The IPv4 CIDR block for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "\n<p>The IPv4 CIDR block for the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "DhcpOptionsId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\n<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>\n@param dhcpOptionsId The ID of
the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).

```java
public String getDhcpOptionsId() {
    return dhcpOptionsId;
}
```

The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).

```java
public void setDhcpOptionsId(String dhcpOptionsId) {
    this.dhcpOptionsId = dhcpOptionsId;
}
```

The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
"varargSetterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the VPC.</p>
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Tag",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Tag",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "Tag",
        "variableName" : "member",
        "variableType" : "Tag",
        "documentation" : "",
        "simpleType" : "Tag",
        "variableSetterType" : "Tag"
    }
}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the VPC.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p><p>\n@tags Any tags assigned to the VPC.</p>*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p><p>\n@tags Any tags assigned to the VPC.</p>*/"}
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the VPC.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@return The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceTenancy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceTenancy",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param instanceTenancy The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The allowed tenancy of instances launched into the VPC.
*\n* @param instanceTenancy The allowed tenancy of instances launched into the VPC.
*\n* @return Returns a reference to this object so that method calls can be chained together.\n*\n* @see Tenancy*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceTenancy",
 "variableType" : "String",
 "documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>
*\n* @param instanceTenancy The allowed tenancy of instances launched into the VPC.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceTenancy",
 "variableType" : "String",
 "documentation" : "\n*\n* @param isDefault Indicates whether the VPC is the default VPC.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceTenancy",
 "variableType" : "String",
 "documentation" : "\n*\n* @param isDefault Indicates whether the VPC is the default VPC.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/
 "c2jName" : "IsDefault",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Indicates whether the VPC is the default VPC.</p>
*\n* @return Indicates weather the VPC is the default VPC.\n*\n* @return Indicates whether the VPC is the default VPC.*/
,"getterMethodName" : "getIsDefault",
 "getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "IsDefault",
 "queryString" : false,
}
"returnType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Ipv6CidrBlockAssociationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociationSet",
"uri" : false,
   "idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
   "c2jName" : "member",
   "c2jShape" : "VpcIpv6CidrBlockAssociation",
   "deprecated" : false,
   "documentation" : "",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "/**\n@return */",
   "getterMethodName" : "getMember",
   "getterModel" : {
   "returnType" : "VpcIpv6CidrBlockAssociation",
   "documentation" : null
   }
   
   },
   "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Item",
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false}
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
 "variableName" : "member",
 "variableType" : "VpcIpv6CidrBlockAssociation",
 "documentation" : "",
 "simpleType" : "VpcIpv6CidrBlockAssociation",
 "variableSetterType" : "VpcIpv6CidrBlockAssociation"
 },
 "simple" : false,
 "varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
 "variableName" : "member",
 "variableType" : "VpcIpv6CidrBlockAssociation",
 "documentation" : "",
 "simpleType" : "VpcIpv6CidrBlockAssociation",
 "variableSetterType" : "VpcIpv6CidrBlockAssociation"
 },
 "xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcIpv6CidrBlockAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcIpv6CidrBlockAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"templateType" : "java.util.List<VpcIpv6CidrBlockAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociationSet",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>*/
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.*"/
,"setterMethodName" : "setIpv6CidrBlockAssociationSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
  "variableName" : "ipv6CidrBlockAssociationSet",
  "variableType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
  "documentation" : "",
  "simpleType" : "List<VpcIpv6CidrBlockAssociation>",
  "variableSetterType" : "java.util.Collection<VpcIpv6CidrBlockAssociation>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>*/
@param <b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6CidrBlockAssociationSet(java.util.Collection)} or {@link #withIpv6CidrBlockAssociationSet(java.util.Collection)} if you want to override the existing values.

@returns a reference to this object so that method calls can be chained together.*"/
,"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
  "variableName" : "ipv6CidrBlockAssociationSet",
  "variableType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
  "documentation" : "<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>",
  "simpleType" : "List<VpcIpv6CidrBlockAssociation>",
  "variableSetterType" : "java.util.Collection<VpcIpv6CidrBlockAssociation>"
},
"xmlNameSpaceUri" : null
]},
"membersAsMap" : {
  "CidrBlock" : {
    "c2jName" : "CidrBlock",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>*/
@param cidrBlock The IPv4 CIDR block for the VPC.

@returns a reference to this object so that method calls can be chained together.*"/
,"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>*/
@return The IPv4 CIDR block for the VPC.*"/
,"getterMethodName" : "getCidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}.}
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.</p>
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block for the VPC.</p>
  
  "xmlNameSpaceUri" : null
},
"DhcpOptionsId" : {
  "c2jName" : "DhcpOptionsId"}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpOptionsId",
"getterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>
@return The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).*/",
"getterMethodName" : "getDhcpOptionsId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpOptionsId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dhcpOptionsId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableType" : "String"}
"variableName" : "dhcpOptionsId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "dhcpOptionsId",
"variableType" : "String",
"documentation" : "<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
@return Returns a reference to this object so that method calls can be chained together.
</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceTenancy" : {
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>
",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@return The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceTenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**\n\p The allowed tenancy of instances launched into the VPC.\n@\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n@\see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\p The allowed tenancy of instances launched into the VPC.\n\p @\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n\p @\return Returns a reference to this object so that method calls can be chained together.\n@\see Tenancy*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "\p The allowed tenancy of instances launched into the VPC.\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlockAssociationSet" : {
"c2jName" : "Ipv6CidrBlockAssociationSet",
"c2jShape" : "VpcIpv6CidrBlockAssociationSet",
"deprecated" : false,
"documentation" : "\p Information about the IPv6 CIDR blocks associated with the VPC.\p",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p Information about the IPv6 CIDR blocks associated with the VPC.\p @\param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.\p @\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociationSet",
"list":false,
"listModel":null,
"map":false,
"mapModel":null,
"name":"InstanceTenancy",
"setterDocumentation":/**\n\p The allowed tenancy of instances launched into the VPC.\n\p @\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n\p @\see Tenancy*/,
"setterMethodName":"setInstanceTenancy",
"setterModel":{
"variableDeclarationType":"String",
"variableName":"instanceTenancy",
"variableType":"String",
"documentation":"
",
"simpleType":"String",
"variableSetterType":"String"
},
"simple":true,
"varargSetterDocumentation":/**\n\p The allowed tenancy of instances launched into the VPC.\n\p @\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n\p @\return Returns a reference to this object so that method calls can be chained together.\n@\see Tenancy*/,
"variable":{
"variableDeclarationType":"String",
"variableName":"instanceTenancy",
"variableType":"String",
"documentation":"\p The allowed tenancy of instances launched into the VPC.\p",
"simpleType":"String",
"variableSetterType":"String"
},
"xmlNameSpaceUri":null
},
"Ipv6CidrBlockAssociationSet":{
"c2jName":"Ipv6CidrBlockAssociationSet",
"c2jShape":"VpcIpv6CidrBlockAssociationSet",
"deprecated":false,
"documentation":"\p Information about the IPv6 CIDR blocks associated with the VPC.\p",
"enumType":null,
"fluentSetterDocumentation":"/**\p Information about the IPv6 CIDR blocks associated with the VPC.\p @\param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.\p @\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withIpv6CidrBlockAssociationSet",
"list":false,
"listModel":null,
"map":false,
"mapModel":null,"name":"InstanceTenancy",
"setterDocumentation":"/**\n\p The allowed tenancy of instances launched into the VPC.\n\p @\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n\p @\see Tenancy*/,
"setterMethodName":"setInstanceTenancy",
"setterModel":{
"variableDeclarationType":"String",
"variableName":"instanceTenancy",
"variableType":"String",
"documentation":"
",
"simpleType":"String",
"variableSetterType":"String"
},
"simple":true,
"varargSetterDocumentation":/**\n\p The allowed tenancy of instances launched into the VPC.\n\p @\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n\p @\return Returns a reference to this object so that method calls can be chained together.\n@\see Tenancy*/,
"variable":{
"variableDeclarationType":"String",
"variableName":"instanceTenancy",
"variableType":"String",
"documentation":"\p The allowed tenancy of instances launched into the VPC.\p",
"simpleType":"String",
"variableSetterType":"String"
},
"xmlNameSpaceUri":null
},
"Ipv6CidrBlockAssociationSet":{
"c2jName":"Ipv6CidrBlockAssociationSet",
"c2jShape":"VpcIpv6CidrBlockAssociationSet",
"deprecated":false,
"documentation":"\p Information about the IPv6 CIDR blocks associated with the VPC.\p",
"enumType":null,
"fluentSetterDocumentation":"/**\p Information about the IPv6 CIDR blocks associated with the VPC.\p @\param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.\p @\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withIpv6CidrBlockAssociationSet",
"list":false,
"listModel":null,
"map":false,
"mapModel":null,"name":"InstanceTenancy",
"setterDocumentation":"/**\n\p The allowed tenancy of instances launched into the VPC.\n\p @\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n\p @\see Tenancy*/,
"setterMethodName":"setInstanceTenancy",
"setterModel":{
"variableDeclarationType":"String",
"variableName":"instanceTenancy",
"variableType":"String",
"documentation":"
",
"simpleType":"String",
"variableSetterType":"String"
},
"simple":true,
"varargSetterDocumentation":/**\n\p The allowed tenancy of instances launched into the VPC.\n\p @\n\param instanceTenancy The allowed tenancy of instances launched into the VPC.\n\p @\return Returns a reference to this object so that method calls can be chained together.\n@\see Tenancy*/,
"variable":{
"variableDeclarationType":"String",
"variableName":"instanceTenancy",
"variableType":"String",
"documentation":"\p The allowed tenancy of instances launched into the VPC.\p",
"simpleType":"String",
"variableSetterType":"String"
},
"xmlNameSpaceUri":null
}
**getterDocumentation**: 

```java
/**
 * Information about the IPv6 CIDR blocks associated with the VPC.
 */
```

**getterMethodName**: `getIpv6CidrBlockAssociationSet`

**getterModel**: {

```
"returnType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : null
```

```
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockAssociationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {

```
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {

```
"c2jName" : "member",
"c2jShape" : "VpcIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {

```
"returnType" : "VpcIpv6CidrBlockAssociation",
"documentation" : null
},
"http" : {

```
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
```

```
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
"variableName" : "member",
"variableType" : "VpcIpv6CidrBlockAssociation",
"documentation" : "",
"simpleType" : "VpcIpv6CidrBlockAssociation",
"variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"simple" : false,
"vargSetMethodDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
"variableName" : "member",
"variableType" : "VpcIpv6CidrBlockAssociation",
"documentation" : "",
"simpleType" : "VpcIpv6CidrBlockAssociation",
"variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcIpv6CidrBlockAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcIpv6CidrBlockAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>"
"templateType": "java.util.List<VpcIpv6CidrBlockAssociation>" },
"map": false,
"mapModel": null,
"name": "Ipv6CidrBlockAssociationSet",
"setterDocumentation": "/**<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>*/
@para ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.*/*/,
"setterMethodName": "setIpv6CidrBlockAssociationSet",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
  "variableName": "ipv6CidrBlockAssociationSet",
  "variableType": "java.util.List<VpcIpv6CidrBlockAssociation>",
  "documentation": "",
  "simpleType": "List<VpcIpv6CidrBlockAssociation>",
  "variableSetterType": "java.util.Collection<VpcIpv6CidrBlockAssociation>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>*/
@para NOTE: This method appends the values to the existing list (if any). Use {@link #setIpv6CidrBlockAssociationSet(java.util.Collection)} or {@link #withIpv6CidrBlockAssociationSet(java.util.Collection)} if you want to override the existing values.*/
@para ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.
@para return Returns a reference to this object so that method calls can be chained together.*/*/,
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
  "variableName": "ipv6CidrBlockAssociationSet",
  "variableType": "java.util.List<VpcIpv6CidrBlockAssociation>",
  "documentation": "<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>",
  "simpleType": "List<VpcIpv6CidrBlockAssociation>",
  "variableSetterType": "java.util.Collection<VpcIpv6CidrBlockAssociation>"
},
"xmlNameSpaceUri": null,
"IsDefault": {
  "c2jName": "IsDefault",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "<p>Indicates whether the VPC is the default VPC.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Indicates whether the VPC is the default VPC.</p>*/
@para isDefault Indicates whether the VPC is the default VPC.*/
@para return Returns a reference to this object so that method calls can be chained together.*/*/,
  "fluentSetterMethodName": "withIsDefault",
  "getterDocumentation": "/**<p>Indicates whether the VPC is the default VPC.</p>*/
@para return Indicates whether the VPC is the default VPC.*/*/,
  "getterMethodName": "getIsDefault",
  "getterModel": {
"returnType" : "Boolean",
"documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IsDefault",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "isDefault",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsDefault",
"setterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param isDefault
Indicates whether the VPC is the default VPC.*/",
"setterMethodName" : "setIsDefault",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "isDefault",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param isDefault
Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method
calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "isDefault",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

"xmlNameSpaceUri" : null
"State" : {
  "c2jName" : "State",
  "c2jShape" : "VpcState",
  "deprecated" : false,
  "documentation" : "<p>The current state of the VPC.</p>",
  "enumType" : "VpcState",
  "fluentSetterDocumentation" : "/*<p>The current state of the VPC.</p>@param state The current state of the VPC.</param>\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpcState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/*<p>The current state of the VPC.</p>@return The current state of the VPC.\n@see VpcState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "State",
  "setterDocumentation" : "/*<p>The current state of the VPC.</p>@param state The current state of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpcState*/",
  "setterMethodName" : "setState",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the VPC.</p>
@see VpcState*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The current state of the VPC.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>Any tags assigned to the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
@see Tags */",
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
@return Any tags assigned to the VPC.*/",
    "getterMethodName" : "getTags",
    "getterModel" : {
        "returnType" : "java.util.List<Tag>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "TagSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "tagSet",
        "uri" : false
    },
    "idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : false,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Tag",
      "variableName" : "member",
      "variableType" : "Tag",
      "documentation" : "",
      "simpleType" : "Tag",
    }
  }
}

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"variableSetterType" : "Tag"
],
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
],
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
@param tags Any tags assigned to the VPC.

**NOTE:** This method appends the values to the existing list (if any). Use \[@link \#setTags\(java.util.Collection\)\] or \[@link \#withTags\(java.util.Collection\)\] if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>

@link \#setTags\(java.util.Collection\) or @link \#withTags\(java.util.Collection\) if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/"
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the VPC.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableType" : "java.util.List<Tag>"}
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : ""/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Vpc",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "Vpc",
"variableName" : "vpc",
"variableType" : "Vpc",
"documentation" : null,
"simpleType" : "Vpc",
"variableSetterType" : "Vpc"
},
"wrapper" : false
},
"VpcAttachment" : {
"c2jName" : "VpcAttachment",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an attachment between a virtual private gateway and a VPC.</p>"
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
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    "c2jName": "VpcId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the VPC.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
    @param vpcId The ID of the VPC.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpcId",
    "getterDocumentation": "/**<p>The ID of the VPC.</p>
    @return The ID of the VPC."",
    "getterMethodName": "getVpcId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "VpcId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "vpcId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "VpcId",
    "setterDocumentation": "/**<p>The ID of the VPC.</p>
    @param vpcId The ID of the VPC.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName": "setVpcId",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "vpcId",
      "variableType": "String"
    }
  }
]
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "State",
"c2jShape" : "AttachmentStatus",
"deprecated" : false,
"documentation" : "<p>The current state of the attachment.</p>
@param state The current state of the attachment.
@return
Returns a reference to this object so that method calls can be chained
together.
@see AttachmentStatus*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the attachment.</p>
@return
The current state of the attachment.
@see AttachmentStatus*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
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  "c2jName": "VpcId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the VPC.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC.
  @return
  Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVpcId",
  "getterDocumentation": "/**<p>The ID of the VPC.</p>
  @return The ID of the VPC.*/",
  "getterMethodName": "getVpcId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpcId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpcId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "VpcId",
  "setterDocumentation": "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC.
  @return
  Return
  */",
  "setterMethodName": "setVpcId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "vpcId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the"}
VPC

@return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "vpcId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the VPC.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
}.

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "VpcAttachment",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "VpcAttachment",
    "variableName" : "vpcAttachment",
    "variableType" : "VpcAttachment",
    "documentation" : null,
    "simpleType" : "VpcAttachment",
    "variableSetterType" : "VpcAttachment"
},
"wrapper" : false
},
"VpcAttributeName" : {
    "c2jName" : "VpcAttributeName",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : [ {
        "name" : "EnableDnsSupport",
        "value" : "enableDnsSupport"
    }, {
        "name" : "EnableDnsHostnames",
        "value" : "enableDnsHostnames"
    } ],
    "errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcAttributeName",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "VpcAttributeName",
  "variableName" : "vpcAttributeName",
  "variableType" : "VpcAttributeName",
  "documentation" : null,
  "simpleType" : "VpcAttributeName",
  "variableSetterType" : "VpcAttributeName"
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"wrapper" : false
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"VpcCidrBlockState" : {
  "c2jName" : "VpcCidrBlockState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Describes the state of a CIDR block.&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "State",
    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
  },
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "State",
    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
  },
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
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    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
  },
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "State",
    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
  },
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
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    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "VpcCidrBlockStateCode",
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    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
  },
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "State",
    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"
  },
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "State",
    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
    "enumType" : "VpcCidrBlockStateCode",
    "variableDeclarationType" : "VpcCidrBlockStateCode",
    "variableName" : "vpcCidrBlockStateCode",
    "variableType" : "VpcCidrBlockStateCode"}]}]
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The state of the CIDR block.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A message about the status of the CIDR block, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>
@return A message about the status of the CIDR block, if applicable.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StatusMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/"
"setterMethodName" : "setStatusMessage",
"setterModel" : { 
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : { 
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "<p>A message about the status of the CIDR block, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null 
},
"membersAsMap" : { 
  "State" : { 
    "c2jName" : "State",
    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "<p>The state of the CIDR block.</p>",
    "enumType" : "VpcCidrBlockStateCode",
    "fluentSetterDocumentation" : "/**<p>The state of the CIDR block.</p>
@param state The state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcCidrBlockStateCode*/",
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/**<p>The state of the CIDR block.</p>
@return The state of the CIDR block.
@see VpcCidrBlockStateCode*/",
    "getterMethodName" : "getState",
    "getterModel" : { 
      "returnType" : "String",
      "documentation" : null
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    "http" : { 
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the CIDR block.</p>
@param state The state of the CIDR block.
@see VpcCidrBlockStateCode*/",
"setterMethodName" : "setState",
"setterModel" : {
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"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the CIDR block.</p>
@param state The state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcCidrBlockStateCode*/",
"variable" : {
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"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The state of the CIDR block.</p>",
"simpleType" : "String",
"variableSetterType" : "String"},
"xmlNameSpaceUri" : null},
"StatusMessage" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A message about the status of the CIDR block, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/"},
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"getterDocumentation": "/**<p>A message about the status of the CIDR block, if applicable.</p>
@returns A message about the status of the CIDR block, if applicable.*/",
"getterMethodName": "getStatusMessage",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "statusMessage",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StatusMessage",
"setterDocumentation": "/**<p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.*/",
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"variableName": "statusMessage",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>A message about the status of the CIDR block, if applicable.</p>
@returns A reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "statusMessage",
"variableType": "String"}
A message about the status of the CIDR block, if applicable.

```json
{
  "documentation": "A message about the status of the CIDR block, if applicable."
}
```

```
"simpleType": "String",
"variableSetterType": "String"
}
```

```
"xmlnsSpaceUri": null
}
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"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
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"unmarshaller": {
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  "resultWrapper": null
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"variable": {
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  "variableName": "vpcCidrBlockState",
  "variableType": "VpcCidrBlockState",
  "documentation": null,
  "simpleType": "VpcCidrBlockState",
  "variableSetterType": "VpcCidrBlockState"
},
"wrapper": false
}
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"VpcCidrBlockStateCode": {
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  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [ {
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    "value": "associating"
  }, {
    "name": "Associated",
    "value": "associated"
  }, {
    "name": "Disassociating",
    "value": "disassociating"
  }, {
    "name": "Disassociated",
    "value": "disassociated"
  }]
}
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"name" : "Failing",
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"name" : "Failed",
"value" : "failed"
}
},
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcCidrBlockStateCode",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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  "variableName" : "vpcCidrBlockStateCode",
  "variableType" : "VpcCidrBlockStateCode",
  "documentation" : null,
  "simpleType" : "VpcCidrBlockStateCode",
  "variableSetterType" : "VpcCidrBlockStateCode"
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"wrapper" : false
},
"VpcClassicLink" : {
  "c2jName" : "VpcClassicLink",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes whether a VPC is enabled for ClassicLink.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpcId",
  "setterModel" : {
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    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
}]}
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : ":<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
], {
"c2jName" : "ClassicLinkEnabled",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : ":<p>Indicates whether the VPC is enabled for ClassicLink.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>
@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClassicLinkEnabled",
"getterDocumentation" : "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>
@return Indicates whether the VPC is enabled for ClassicLink.*/",
"getterMethodName" : "getClassicLinkEnabled",
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "classicLinkEnabled",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink. */",
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  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>
@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the VPC is enabled for ClassicLink.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the VPC.
@return Any tags assigned to the VPC.",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"memberType" : "Tag",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
@param tags Any tags assigned to the VPC.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "xmlNameSpaceUri" : null
}}
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* Any tags assigned to the VPC.
*\n* NOTE: This method appends the values to the existing list (if any). Use (@link #setTags(java.util.Collection)) or (@link #withTags(java.util.Collection)) if you want to override the existing values.
*\n* @param tags Any tags assigned to the VPC.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "Any tags assigned to the VPC.",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>",
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"xmlNameSpaceUri" : null
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,"membersAsMap" : {
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        "c2jShape" : "Boolean",
        "deprecated" : false,
        "documentation" : "Indicates whether the VPC is enabled for ClassicLink.",
        "enumType" : null,
        "fluentSetterDocumentation" : "<p>Indicates whether the VPC is enabled for ClassicLink.</p>\n\n@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withClassicLinkEnabled",
        "getterDocumentation" : "Indicates whether the VPC is enabled for ClassicLink.\n\n@return Indicates whether the VPC is enabled for ClassicLink.*/",
        "getterMethodName" : "getClassicLinkEnabled",
        "getterModel" : {
            "returnType" : "Boolean",
            "documentation" : null
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "ClassicLinkEnabled",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "classicLinkEnabled",
        },
    }
}
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClassicLinkEnabled",
"setterDocumentation" : "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>
@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClassicLinkEnabled",
"setterModel" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "classicLinkEnabled",
 "variableType" : "Boolean",
 "documentation" : "",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>
@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "classicLinkEnabled",
 "variableType" : "Boolean",
 "documentation" : "<p>Indicates whether the VPC is enabled for ClassicLink.</p>",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
],
"Tags" : {
 "c2jName" : "Tags",
 "c2jShape" : "TagList",
 "deprecated" : false,
 "documentation" : "<p>Any tags assigned to the VPC.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
@param tags Any tags assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withTags",
 "getterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
@param tags Any tags assigned to the VPC.
@return Any tags assigned to the VPC.*/",
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 "getterModel" : {
 "returnType" : "java.util.List<Tag>",
 "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "unmarshallLocationName" : "tagSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
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    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@ return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      " ARSassets for CCBU Projects (CentOS) 12.6(1) 10576
  Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 10576
"unmarshallLocationName" : "item",
"uri" : false
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
}
,"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/*\nAny tags assigned to the VPC.</p><p>\n*/param tags Any tags assigned to the
VPC.*"},
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    "setterModel" : {
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      "variableName" : "tags",
      "variableType" : "java.util.List<Tag>",
      "documentation" : "",
      "simpleType" : "List<Tag>",
      "variableSetterType" : "java.util.Collection<Tag>",
    },
    "simple" : false,
    "varargSetterDocumentation" : "/*\*<p>Any tags assigned to the VPC.</p>
    <b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>
    <p>@param tags Any tags assigned to the VPC.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
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      "variableName" : "tags",
      "variableType" : "java.util.List<Tag>",
      "documentation" : "Any tags assigned to the VPC.",
      "simpleType" : "List<Tag>",
      "variableSetterType" : "java.util.Collection<Tag>",
    },
    "xmlNameSpaceUri" : null
  },
  "VpcId" : {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the VPC.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\*<p>The ID of the VPC.</p>
    <p>@param vpcId The ID of the VPC.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/*\*<p>The ID of the VPC.</p>
    <p>@return The ID of the VPC.</p>*/",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : "null"
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location": null,
"marshallLocationName": "VpcId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {
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  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "simpleType": "String",
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@param vpcEndpointId The ID of the VPC endpoint.*/",
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  "variableSetterType" : "String"
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"simple" : true,
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@param vpcEndpointId The ID of the VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the VPC endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the VPC to which the endpoint is associated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@param vpcId The ID of the VPC to which the endpoint is associated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@param vpcId The ID of the VPC to which the endpoint is associated.
@return The ID of the VPC to which the endpoint is associated.*/",
"getterMethodName" : "getVpcId".
}
The ID of the VPC to which the endpoint is associated.

/**
 * The ID of the VPC to which the endpoint is associated.
 * @param vpcId
 */

vpcId

The ID of the VPC to which the endpoint is associated.

/**
 * The ID of the VPC to which the endpoint is associated.
 * @param vpcId
 */

vpcId

The ID of the VPC to which the endpoint is associated.

 /**
 * The ID of the VPC to which the endpoint is associated.
 * @param vpcId
 */

vpcId

The ID of the VPC to which the endpoint is associated.
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  "c2jShape" : "String",
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  "documentation" : "<p>The name of the AWS service to which the endpoint is associated.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the AWS service to which the endpoint is associated.</p>
*\n@param serviceName The name of the AWS service to which the endpoint is associated.*\n*\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "fluentSetterMethodName" : "withServiceName",
  "getterDocumentation" : "/**<p>The name of the AWS service to which the endpoint is associated.</p>
*\n@return The name of the AWS service to which the endpoint is associated.*\n*/",
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    "documentation" : null
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    "unmarshallLocationName" : "serviceName",
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  "name" : "ServiceName",
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    "documentation" : "",
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@param serviceName The name of the AWS service to which the endpoint is
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@return Returns a reference to this object so that method calls can be chained together. */",
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"c2jShape" : "State",
"deprecated" : false,
"documentation" : "<p>The state of the VPC endpoint.</p>
@param state The state of the VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see State*/",
"fluentSetterDocumentation" : " /**< <p>The state of the VPC endpoint.</p>
@param state The state of the VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see State*/",
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"getterDocumentation" : " /**< <p>The state of the VPC endpoint.</p>
@return The state of the VPC endpoint.
@see State*/",
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"getterModel" : {
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"greedy" : false,
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"isStreaming" : false,
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@param state The state of the VPC endpoint.
@see State*/",
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  "variableSetterType" : "String"
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@param state The state of the VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see State*/",
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  "variableSetterType" : "String"
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"enumType" : null,
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@param policyDocument The policy document associated with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see PolicyDocument*/",
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"getterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@return The policy document associated with the endpoint.
@see PolicyDocument*/",
"getterMethodName" : "getPolicyDocument",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"greedy" : false,
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@param
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"simpleType" : "String",
"variableSetterType" : "String"
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@param
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@return Returns a reference to this object so that method calls can be chained together. */",
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"enumType" : null,
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@param routeTableIds One or more route tables associated with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableIds",
"getDocumentation" : "/**<p>One or more route tables associated with the endpoint.</p>
@return One or more route tables associated with the endpoint.*/",
"getMethodName" : "getRouteTableIds",
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  "documentation" : null
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  "isStreaming" : false,
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    "c2jShape" : "String",
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    "getDocumentation" : "/**\n@return */",
    "getMethodName" : "getMember",
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      "documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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@param member */",
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 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
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 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"templateType" : "java.util.List<String>"
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"setterDocumentation" : "/**<p>One or more route tables associated with the endpoint.</p>
@param routeTableIds One or more route tables associated with the endpoint.*/",
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  "variableName" : "routeTableIds",
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  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more route tables associated with the endpoint.</p>
@NOTE: This method appends the values to the existing list (if any). Use @link #setRouteTableIds(java.util.Collection) or @link #withRouteTableIds(java.util.Collection) if you want to override the existing values.</p>
@param routeTableIds One or more route tables associated with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "One or more route tables associated with the endpoint.
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"fluentsetterDocumentation" : "The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentsetterMethodName" : "withCreationTimestamp",
"getterDocumentation" : "The date and time the VPC endpoint was created.
@getterMethodName" : "getCreationTimestamp",
"setterMethodName" : "setCreationTimestamp",
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  "variableName" : "creationTimestamp",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargsetterDocumentation" : "One or more route tables associated with the endpoint.
@NOTE: This method appends the values to the existing list (if any). Use @link #setRouteTableIds(java.util.Collection) or @link #withRouteTableIds(java.util.Collection) if you want to override the existing values.
@param routeTableIds One or more route tables associated with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route tables associated with the endpoint.
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"fluentsetterDocumentation" : "The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "location" : null,
    "marshallLocationName" : "CreationTimestamp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "creationTimestamp",
    "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "CreationTimestamp",
"setterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.*/",
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    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The date and time the VPC endpoint was created.</p>",
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    "variableSetterType" : "java.util.Date"
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"c2jShape" : "DateTime",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@return The date and time the VPC endpoint was created.*/",
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "creationTimestamp",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreationTimestamp",
"setterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableType" : "java.util.Date",
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "creationTimestamp",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"isStreaming" : false,
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"uri" : false
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@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"returnType" : "java.util.Date",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "creationTimestamp",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreationTimestamp",
"setterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreationTimestamp",
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"variableName" : "creationTimestamp",
"variableType" : "java.util.Date",
"returnType" : "java.util.Date",
"documentation" : null
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"mapModel" : null,
"name" : "CreationTimestamp",
"setterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreationTimestamp",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTimestamp",
"variableType" : "java.util.Date",
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTimestamp",
"variableType" : "java.util.Date",
"documentation" : "<p>The date and time the VPC endpoint was created.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"PolicyDocument" : {
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The policy document associated with the endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param policyDocument The policy document associated with the endpoint.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPolicyDocument",
"getterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@return The policy document associated with the endpoint. */",
"getterMethodName" : "getPolicyDocument",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PolicyDocument",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "policyDocument",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTimestamp",
"variableType" : "java.util.Date",
"documentation" : "<p>The date and time the VPC endpoint was created.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"PolicyDocument" : {
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param
policyDocument The policy document associated with the endpoint.*/",
"setterMethodName" : "setPolicyDocument",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param
policyDocument The policy document associated with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "<p>The policy document associated with the endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"RouteTableIds" : {
  "c2jName" : "RouteTableIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more route tables associated with the endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteTableIdSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeTableIdSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
  @param member 
  @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@param member @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
  }
}
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
],
"map": false,
"mapModel": null,
"name": "RouteTableIds"
"setterDocumentation" : "/**One or more route tables associated with the endpoint.*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**One or more route tables associated with the endpoint.*/

NOTE: This method appends the values to the existing list (if any). Use { @link #setRouteTableIds(java.util.Collection) } or { @link #withRouteTableIds(java.util.Collection) } if you want to override the existing values.

@returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route tables associated with the endpoint.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
"ServiceName" : {
  "c2jName" : "ServiceName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the AWS service to which the endpoint is associated.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**The name of the AWS service to which the endpoint is associated.*/
  @returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withServiceName",
  "getterDocumentation" : "/**The name of the AWS service to which the endpoint is associated.*/",
  "getterMethodName" : "getServiceName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
  },
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ServiceName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "serviceName",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ServiceName",
"setterDocumentation" : "/** The name of the AWS service to which the endpoint is associated. */
@param serviceName The name of the AWS service to which the endpoint is associated. */",
"setterMethodName" : "setServiceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "serviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** The name of the AWS service to which the endpoint is associated. */
@param serviceName The name of the AWS service to which the endpoint is associated.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "serviceName",
  "variableType" : "String",
  "documentation" : "<p>The name of the AWS service to which the endpoint is associated.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "State",
  "deprecated" : false,
  "documentation" : "<p>The state of the VPC endpoint.</p>",
  "enumType" : "State"
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The state of the VPC endpoint.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcEndpointId" : {
"c2jName" : "VpcEndpointId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC endpoint.</p>\n@param vpcEndpointId The ID of the VPC endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcEndpointId",
"getterDocumentation" : "/**<p>The ID of the VPC endpoint.</p>\n@return The ID of the VPC endpoint.*/",
"getterMethodName" : "getVpcEndpointId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcEndpointId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcEndpointId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcEndpointId",
"setterDocumentation" : "/**<p>The ID of the VPC endpoint.</p>\n@param vpcEndpointId The ID of the VPC endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcEndpointId"
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcEndpointId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC endpoint.</p>
@param vpcEndpointId The ID of the VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcEndpointId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC endpoint.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"VpcId": {
  "c2jName": "VpcId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the VPC to which the endpoint is associated.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@param vpcId The ID of the VPC to which the endpoint is associated.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVpcId",
  "getterDocumentation": "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@return The ID of the VPC to which the endpoint is associated.*/",
  "getterMethodName": "getVpcId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpcId",
    "non鞭策": null,
    "operations": null,
    "query": null,
    "uri": null,
    "uriPath": null,
    "uriTemplate": null,
    "uriVariables": null
  },
  "operations": null,
  "query": null,
  "uri": null,
  "uriPath": null,
  "uriTemplate": null,
  "uriVariables": null
}
The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpoint {
    private String vpcId;

    public VpcEndpoint(String vpcId) {
        this.vpcId = vpcId;
    }

    public String getVpcId() {
        return vpcId;
    }

    public void setVpcId(String vpcId) {
        this.vpcId = vpcId;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpoint

The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpointRequest {
    private String vpcId;

    public VpcEndpointRequest(String vpcId) {
        this.vpcId = vpcId;
    }

    public String getVpcId() {
        return vpcId;
    }

    public void setVpcId(String vpcId) {
        this.vpcId = vpcId;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpointRequest

The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpointService {
    private VpcEndpoint vpcEndpoint;

    public VpcEndpointService(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }

    public VpcEndpoint getVpcEndpoint() {
        return vpcEndpoint;
    }

    public void setVpcEndpoint(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpoint

The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpointClient {
    private VpcEndpoint vpcEndpoint;

    public VpcEndpointClient(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }

    public VpcEndpoint getVpcEndpoint() {
        return vpcEndpoint;
    }

    public void setVpcEndpoint(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpoint

The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpointResource {
    private VpcEndpoint vpcEndpoint;

    public VpcEndpointResource(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }

    public VpcEndpoint getVpcEndpoint() {
        return vpcEndpoint;
    }

    public void setVpcEndpoint(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpoint

The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpointPolicy {
    private VpcEndpoint vpcEndpoint;

    public VpcEndpointPolicy(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }

    public VpcEndpoint getVpcEndpoint() {
        return vpcEndpoint;
    }

    public void setVpcEndpoint(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpoint

The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpointAction {
    private VpcEndpoint vpcEndpoint;

    public VpcEndpointAction(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }

    public VpcEndpoint getVpcEndpoint() {
        return vpcEndpoint;
    }

    public void setVpcEndpoint(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpoint

The ID of the VPC to which the endpoint is associated.

```java
public class VpcEndpointConfig {
    private VpcEndpoint vpcEndpoint;

    public VpcEndpointConfig(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }

    public VpcEndpoint getVpcEndpoint() {
        return vpcEndpoint;
    }

    public void setVpcEndpoint(VpcEndpoint vpcEndpoint) {
        this.vpcEndpoint = vpcEndpoint;
    }
}
```

@see com.amazonaws.services.vpce.model.VpcEndpoint

The ID of the VPC to which the endpoint is associated.
"variableType" : "VpcEndpoint",
"documentation" : null,
"simpleType" : "VpcEndpoint",
"variableSetterType" : "VpcEndpoint"
],
"wrapper" : false
},
"VpcIpv6CidrBlockAssociation" : {
"c2jName" : "VpcIpv6CidrBlockAssociation",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an IPv6 CIDR block associated with a VPC.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
"c2jName" : "Ipv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@return The IPv6 CIDR block.</return>",
"getMethodName" : "getIpv6CidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.
*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block。</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6CidrBlockState",
"c2jShape" : "VpcCidrBlockState",
"deprecated" : false,
"documentation" : "<p>Information about the state of the CIDR block.</p>
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlockState",
"getterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@return Information about the state of the CIDR block.
*/",
"getterMethodName" : "getIpv6CidrBlockState",
"getterModel" : {
  "returnType" : "VpcCidrBlockState",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlockState",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlockState",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockState",
"setterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.*/",
"setterMethodName" : "setIpv6CidrBlockState",
"setterModel" : {
  "variableDeclarationType" : "VpcCidrBlockState",
  "variableName" : "ipv6CidrBlockState",
  "variableType" : "VpcCidrBlockState",
  "documentation" : "",
  "simpleType" : "VpcCidrBlockState",
  "variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.<br>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcCidrBlockState",
  "variableName" : "ipv6CidrBlockState",
  "variableType" : "VpcCidrBlockState",
  "documentation" : "<p>Information about the state of the CIDR block.</p>",
  "simpleType" : "VpcCidrBlockState",
  "variableSetterType" : "VpcCidrBlockState"
},
"
"xmlNameSpaceUri" : null,
},

"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The association ID for the IPv6 CIDR block.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@return The association ID for the IPv6 CIDR block.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\<p>\n\n**\n\<p>\nThe association ID for the IPv6 CIDR block.\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\nThe association ID for the IPv6 CIDR block.\n\</p>\</p>\n\n@return\n\<p>\n\n**\n\<p>\nReturns a reference to this object so that\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\nmethod calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "The association ID for the IPv6 CIDR block.\n\<p>\n\n**\n\<p>\n\n@\n\<p>\n\n**\n\<p>\n\nreturn\n\<p>\n\n**\n\<p>\n\nReturns a reference to this object so that\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\n\nmethod calls can be chained together. */",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}
],
"membersAsMap" : {
  "AssociationId" : {
    "c2jName" : "AssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The association ID for the IPv6 CIDR block.\n\<p>\n\n**\n\<p>\n\n@\n\<p>\n\n**\n\<p>\n\nreturn\n\<p>\n\n**\n\<p>\n\nReturns a reference to this object so that\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\n\nmethod calls can be chained together. */",
    "fluentSetterDocumentation" : "/**\n\<p>\n\n**\n\<p>\n\nThe association ID for the IPv6 CIDR block.\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\n\nreturn\n\<p>\n\n**\n\<p>\n\nReturns a reference to this object so that\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\n\nmethod calls can be chained together. */",
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "/**\n\<p>\n\n**\n\<p>\n\nThe association ID for the IPv6 CIDR block.\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\n\nreturn\n\<p>\n\n**\n\<p>\n\nThe association ID for the IPv6 CIDR block.\n\</p>\</p>\n\n@\n\<p>\n\n**\n\<p>\n\nmethod calls can be chained together. */",
    "getterMethodName" : "getAssociationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AssociationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "associationId",
      "uri" : false
    }
  }
}
]
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : 
"<p>The association ID for the IPv6 CIDR block.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
  "c2jName" : "Ipv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : 
"<p>The IPv6 CIDR block.</p>
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpv6CidrBlock",
  "getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@return The IPv6 CIDR block.*/",
  "getterMethodName" : "getIpv6CidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : 
"<p>The association ID for the IPv6 CIDR block.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
  "c2jName" : "Ipv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : 
"<p>The IPv6 CIDR block.</p>
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpv6CidrBlock",
  "getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@return The IPv6 CIDR block.*/",
  "getterMethodName" : "getIpv6CidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
"idempotencyToken" : false,
"list" : false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**\n@param ipv6CidrBlock The IPv6 CIDR block.\n\n@Return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param ipv6CidrBlock The IPv6 CIDR block.\n\n@Return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlockState" : {
  "c2jName" : "Ipv6CidrBlockState",
  "c2jShape" : "VpcCidrBlockState",
  "deprecated" : false,
that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "VpcCidrBlockState",
    "variableName" : "ipv6CidrBlockState",
    "variableType" : "VpcCidrBlockState",
    "documentation" : "<p>Information about the state of the CIDR block.</p>",
    "simpleType" : "VpcCidrBlockState",
    "variableSetterType" : "VpcCidrBlockState"
},
"xmlNameSpaceUri" : null
}
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcIpv6CidrBlockAssociation",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
    "variableName" : "vpcIpv6CidrBlockAssociation",
    "variableType" : "VpcIpv6CidrBlockAssociation",
    "documentation" : null,
    "simpleType" : "VpcIpv6CidrBlockAssociation",
    "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"wrapper" : false
},
"VpcPeeringConnection" : {
    "c2jName" : "VpcPeeringConnection",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes a VPC peering connection.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "marshaller" : null,
    "members" : []
}
"c2jName" : "AccepterVpcInfo",
"c2jShape" : "VpcPeeringConnectionVpcInfo",
"deprecated" : false,
"documentation" : "<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.\n@param accepterVpcInfo Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAccepterVpcInfo",
"getterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.\n@return Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.*/",
"getterMethodName" : "getAccepterVpcInfo",
"getterModel" : {
  "returnType" : "VpcPeeringConnectionVpcInfo",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AccepterVpcInfo",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "accepterVpcInfo",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AccepterVpcInfo",
"setterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned
when creating a VPC peering connection, or when describing a VPC peering connection that's in the<br><code>initiating-request</code> or <code>pending-acceptance</code> state.</p>

@param accepterVpcInfo
Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.*/

@*/

setterMethodName" : "setAccepterVpcInfo",
"setterModel" : {
"variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
"variableName" : "accepterVpcInfo",
"variableType" : "VpcPeeringConnectionVpcInfo",
"documentation" : "",
"simpleType" : "VpcPeeringConnectionVpcInfo",
"variableSetterType" : "VpcPeeringConnectionVpcInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>

@param accepterVpcInfo
Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.
@return Returns a reference to this object so that method calls can be chained together.*"*/

"variable" : {
"variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
"variableName" : "accepterVpcInfo",
"variableType" : "VpcPeeringConnectionVpcInfo",
"documentation" : "<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>

@param accepterVpcInfo
Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.
@return Returns a reference to this object so that method calls can be chained together.*"*/

"c2jName" : "ExpirationTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time that an unaccepted VPC peering connection will expire.</p>*/

@Return Returns a reference to this object so that method calls can be chained together.*"*/

"fluentSetterMethodName" : "withExpirationTime",
"getterDocumentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>*/

@Return The time that an unaccepted VPC peering connection will expire.*"*/

"getterMethodName" : "getExpirationTime",
"getterModel" : {
"returnType" : "java.util.Date",
"xmlNameSpaceUri" : null
},
"c2jName" : "ExpirationTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ExpirationTime",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "expirationTime",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ExpirationTime",
"setterDocumentation": "/**<p>The time that an unaccepted VPC peering connection will expire.</p>
@param expirationTime The time that an unaccepted VPC peering connection will expire.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setExpirationTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "expirationTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time that an unaccepted VPC peering connection will expire.</p>
@param expirationTime The time that an unaccepted VPC peering connection will expire.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "expirationTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The time that an unaccepted VPC peering connection will expire.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
}
"c2jName" : "RequesterVpcInfo",
"c2jShape" : "VpcPeeringConnectionVpcInfo",
"deprecated" : false,
"documentation" : "\p>Information about the requester VPC.\p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the requester VPC.\p>\n@param requesterVpcInfo
Information about the requester VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRequesterVpcInfo",
"getterDocumentation" : "/**<p>Information about the requester VPC.\p>
\n@return Information about the requester VPC.*/",
"getterMethodName" : "getRequesterVpcInfo",
"getterModel" : {
"returnType" : "VpcPeeringConnectionVpcInfo",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RequesterVpcInfo",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requesterVpcInfo",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterVpcInfo",
"setterDocumentation" : "/**<p>Information about the requester VPC.\p>\n@param requesterVpcInfo
Information about the requester VPC.\n*/",
"setterMethodName" : "setRequesterVpcInfo",
"setterModel" : {
"variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
"variableName" : "requesterVpcInfo",
"variableType" : "VpcPeeringConnectionVpcInfo",
"documentation" : "",
"simpleType" : "VpcPeeringConnectionVpcInfo",
"variableSetterType" : "VpcPeeringConnectionVpcInfo"
}"}
"variable": {
  "variableDeclarationType": "VpcPeeringConnectionVpcInfo",
  "variableName": "requesterVpcInfo",
  "variableType": "VpcPeeringConnectionVpcInfo",
  "documentation": "Information about the requester VPC.

  @param requesterVpcInfo
  Information about the requester VPC.

  @return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType": "VpcPeeringConnectionVpcInfo",
  "variableSetterType": "VpcPeeringConnectionVpcInfo"
},
"xmlNameSpaceUri": null,
"c2jName": "Status",
"c2jShape": "VpcPeeringConnectionStateReason",
"deprecated": false,
"documentation": "The status of the VPC peering connection.

@p The status of the VPC peering connection.

@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation": "The status of the VPC peering connection.

@p The status of the VPC peering connection.

@return The status of the VPC peering connection.

@getterMethodName": "getStatus",
"getterModel": {
  "returnType": "VpcPeeringConnectionStateReason",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Status",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "status",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null}
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/** <p>The status of the VPC peering connection.</p>
@param status The status of the VPC peering connection.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnectionStateReason",
  "variableName" : "status",
  "variableType" : "VpcPeeringConnectionStateReason",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnectionStateReason",
  "variableSetterType" : "VpcPeeringConnectionStateReason"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>The status of the VPC peering connection.</p>
@param status The status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcPeeringConnectionStateReason",
  "variableName" : "status",
  "variableType" : "VpcPeeringConnectionStateReason",
  "documentation" : "<p>The status of the VPC peering connection.</p>",
  "simpleType" : "VpcPeeringConnectionStateReason",
  "variableSetterType" : "VpcPeeringConnectionStateReason"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/** <p>Any tags assigned to the resource.</p>
@return Any tags assigned to the resource.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>",
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**\n* Any tags assigned to the resource.\n* \n* @param tags Any tags assigned to the resource.*/",
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "variableSetterType": "Tag"}
"documentation" : "Any tags assigned to the resource.

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.

**param** tags Any tags assigned to the resource.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,

"varargSetterDocumentation" : /**\p>Any tags assigned to the resource.</p>\n\n**NOTE:** This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.

**param** tags Any tags assigned to the resource.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,

"varargSetterDocumentation" : /*\p>The ID of the VPC peering connection.

**param** vpcPeeringConnectionId The ID of the VPC peering connection.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,

"varargSetterDocumentation" : /*\p>The ID of the VPC peering connection.

**param** vpcPeeringConnectionId The ID of the VPC peering connection.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,

"varargSetterDocumentation" : /*\p>The ID of the VPC peering connection.

**param** vpcPeeringConnectionId The ID of the VPC peering connection.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,

"varargSetterDocumentation" : /*\p>The ID of the VPC peering connection.

**param** vpcPeeringConnectionId The ID of the VPC peering connection.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,

"varargSetterDocumentation" : /*\p>The ID of the VPC peering connection.

**param** vpcPeeringConnectionId The ID of the VPC peering connection.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,

"varargSetterDocumentation" : /*\p>The ID of the VPC peering connection.

**param** vpcPeeringConnectionId The ID of the VPC peering connection.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.

**simple** : false,
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@n@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "AccepterVpcInfo" : {
    "c2jName" : "AccepterVpcInfo",
    "c2jShape" : "VpcPeeringConnectionVpcInfo",
    "deprecated" : false,
    "documentation" : "<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>\n@n@param accepterVpcInfo Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.\n@n@return Returns a reference to this object so that method calls can be
chained together.*"/",
    "fluentSetterMethodName" : "withAccepterVpcInfo",
    "getterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>\n\n@return Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.*"/",
    "getterMethodName" : "getAccepterVpcInfo",
    "getterModel" : {
        "returnType" : "VpcPeeringConnectionVpcInfo",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AccepterVpcInfo",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "accepterVpcInfo",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AccepterVpcInfo",
    "setterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>\n\n@param accepterVpcInfo Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.*"/",
    "setterMethodName" : "setAccepterVpcInfo",
    "setterModel" : {
        "variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
        "variableName" : "accepterVpcInfo",
        "variableType" : "VpcPeeringConnectionVpcInfo",
        "documentation" : "",
        "simpleType" : "VpcPeeringConnectionVpcInfo",
        "variableSetterType" : "VpcPeeringConnectionVpcInfo"}
"simple" : false,
"varargSetterDocumentation" : "/**\n * Information about the accepter VPC. CIDR block information is not
 * returned when creating a VPC peering connection, or when describing a VPC peering
 * connection that's in the
 * <code>initiating-request</code> or
 * <code>pending-acceptance</code> state.\n * @param accepterVpcInfo
 * Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering
 * connection, or when describing a VPC peering connection that's in the
 * <code>initiating-request</code> or
 * <code>pending-acceptance</code> state.\n * @return Returns a reference to this object so that method calls can be
 * chained together.*/",
"variable" : {
    "variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
    "variableName" : "accepterVpcInfo",
    "variableType" : "VpcPeeringConnectionVpcInfo",
    "documentation" : "Information about the accepter VPC. CIDR block information is not returned when
    creating a VPC peering connection, or when describing a VPC peering connection that's in the
    <code>initiating-request</code> or <code>pending-acceptance</code> state.
    @param accepterVpcInfo
    Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering
    connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or
    <code>pending-acceptance</code> state.
    @return Returns a reference to this object so that method calls can be
    chained together.*/",
    "variable" : {
        "variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
        "variableName" : "accepterVpcInfo",
        "variableType" : "VpcPeeringConnectionVpcInfo",
        "documentation" : "The time that an unaccepted VPC peering connection will expire.\n        @param expirationTime
        The time that an unaccepted VPC peering connection will expire.\n        @return
        Returns a reference to this object so that method calls can be chained together.*/",
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "ExpirationTime",
            "returnType" : "java.util.Date",
            "documentation" : null
        },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ExpirationTime",
    "returnType" : "java.util.Date",
    "documentation" : null
}
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "expirationTime",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ExpirationTime",
"setterDocumentation": "/**<p>The time that an unaccepted VPC peering connection will expire.</p>
@param expirationTime The time that an unaccepted VPC peering connection will expire.*/",
"setterMethodName": "setExpirationTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "expirationTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time that an unaccepted VPC peering connection will expire.</p>
@vararg param expirationTime The time that an unaccepted VPC peering connection will expire.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "expirationTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The time that an unaccepted VPC peering connection will expire.</p>
",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"RequesterVpcInfo": {
  "c2jName": "RequesterVpcInfo",
  "c2jShape": "VpcPeeringConnectionVpcInfo",
  "deprecated": false,
  "documentation": "<p>Information about the requester VPC.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Information about the requester VPC.</p>
@param requesterVpcInfo Information about the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withRequesterVpcInfo",
  "getterDocumentation": "/**<p>Information about the requester VPC.</p>
@return Information about the requester VPC.*/",
"getterMethodName": "getRequesterVpcInfo",
"getterModel": {
  "returnType": "VpcPeeringConnectionVpcInfo",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RequesterVpcInfo",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "requesterVpcInfo",
  "uri": false,
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "RequesterVpcInfo",
  "setterDocumentation": "/**<p>Information about the requester VPC.</p>
@param requesterVpcInfo
Information about the requester VPC.*/",
  "setterMethodName": "setRequesterVpcInfo",
  "setterModel": {
    "variableDeclarationType": "VpcPeeringConnectionVpcInfo",
    "variableName": "requesterVpcInfo",
    "variableType": "VpcPeeringConnectionVpcInfo",
    "documentation": "",
    "simpleType": "VpcPeeringConnectionVpcInfo",
    "variableSetterType": "VpcPeeringConnectionVpcInfo"
  },
  "simple": false,
  "varargSetterDocumentation": "/**<p>Information about the requester VPC.</p>
@param requesterVpcInfo
Information about the requester VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "VpcPeeringConnectionVpcInfo",
    "variableName": "requesterVpcInfo",
    "variableType": "VpcPeeringConnectionVpcInfo",
    "documentation": "<p>Information about the requester VPC.\n</p>",
    "simpleType": "VpcPeeringConnectionVpcInfo",
    "variableSetterType": "VpcPeeringConnectionVpcInfo"}
"Status" : {
"c2jName" : "Status",
"c2jShape" : "VpcPeeringConnectionStateReason",
"deprecated" : false,
"documentation" : "The status of the VPC peering connection.",
"enumType" : null,
"fluentSetterDocumentation" : "The status of the VPC peering connection.
@returns The status of the VPC peering connection.
@returns The status of the VPC peering connection.
ATORS(status The status of the VPC peering connection.
ATOR Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "The status of the VPC peering connection.
@returns The status of the VPC peering connection.
",
"getterMethodName" : "getStatus",
"getterModel" : {
 "returnType" : "VpcPeeringConnectionStateReason",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Status",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "status",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "The status of the VPC peering connection.
",
"setterMethodName" : "setStatus",
"setterModel" : {
 "variableDeclarationType" : "VpcPeeringConnectionStateReason",
 "variableName" : "status",
 "variableType" : "VpcPeeringConnectionStateReason"}
},
"xmlNamespaceUri" : null
}
"documentation" : "",
"simpleType" : "VpcPeeringConnectionStateReason",
"variableSetterType" : "VpcPeeringConnectionStateReason"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The status of the VPC peering connection.
 * @param status The status of the VPC peering connection.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VpcPeeringConnectionStateReason",
"variableName" : "status",
"variableType" : "VpcPeeringConnectionStateReason",
"documentation" : "The status of the VPC peering connection.

@param status The status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the resource.\n@return Any tags assigned to the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Any tags assigned to the resource.\n * @param tags Any tags assigned to the resource.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n * Any tags assigned to the resource.\n * @return Any tags assigned to the resource.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"xmlNameSpaceUri" : null
}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getMethodDocumentation" : "/**
     * @return */",
    "getMethodMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Tag",
      "variableName" : "member",
    }
  }
}
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variable SetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variable SetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n*p> Any tags assigned to the resource.\n@returns Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variable SetterType" : "java.util.Collection<Tag>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**\n*p> Any tags assigned to the resource.\n<\b>NOTE: This method appends the values to the existing list (if any). Use {@link setTags(java.util.Collection)} or {@link withTags(java.util.Collection)} if you want to override the existing values.\n@returns Any tags assigned
to the resource.

```java
// @return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},

"VpcPeeringConnectionId" : {
  "c2jName" : "VpcPeeringConnectionId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ID of the VPC peering connection.</p>*/
  "fluentSetterMethodName" : "withVpcPeeringConnectionId",
  "getterDocumentation" : "/*<p>The ID of the VPC peering connection.</p>*/
  "getterMethodName" : "getVpcPeeringConnectionId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcPeeringConnectionId",
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@param
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@return Returns a reference to this object so that
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"getterDocumentation" : "/**<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>@return Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.*/",
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  \n  @return Returns a reference to this object so that method calls can be chained together.
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  "variableSetterType" : "String"
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" xmlDocNameSpaceUri" : null
},
"c2jName" : "Message",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A message that provides more information about the status, if applicable.
  \n  @param message A message that provides more information about the status, if applicable.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  \n  @see VpcPeeringConnectionStateReasonCode*/",
"fluentSetterDocumentation" : "A message that provides more information about the status, if applicable.\n  \n  @param message A message that provides more information about the status, if applicable.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "A message that provides more information about the status, if applicable.\n  \n  @return A message that provides more information about the status, if applicable.*/",
"getterMethodName" : "getMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Message",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "message",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>A message that provides more information about the status, if applicable.\n@param message A message that provides more information about the status, if applicable.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : ":",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A message that provides more information about the status, if applicable.\n@param message A message that provides more information about the status, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "<p>A message that provides more information about the status, if applicable.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Code" : {
    "c2jName" : "Code",
    "c2jShape" : "VpcPeeringConnectionStateReasonCode",
    "deprecated" : false,
    "documentation" : "<p>The status of the VPC peering connection.\n",
    "enumType" : "VpcPeeringConnectionStateReasonCode",
    "fluentSetterDocumentation" : "/**<p>The status of the VPC peering connection.\n@paramref code The status of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpcPeeringConnectionStateReasonCode*/",
    "fluentSetterMethodName" : "withCode",
    "getterDocumentation" : "/**<p>The status of the VPC peering connection.\n@paramref code The status of the VPC peering connection.\n@return The status of the VPC peering connection.\n@see VpcPeeringConnectionStateReasonCode*/",
    "getterMethodName" : "getCode",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
    }
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Code",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
@param code The status of the VPC peering connection.
@see VpcPeeringConnectionStateReasonCode*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
@param code The status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcPeeringConnectionStateReasonCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The status of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Message" : {
  "c2jName" : "Message",
  "c2jShape" : "String",
  "deprecated" : false,
A message that provides more information about the status, if applicable.

### Documentation

**getter**

```java
public String getMessage()

Returns a reference to this object so that method calls can be chained together.
```

**setter**

```java
public void setMessage(String message)

A message that provides more information about the status, if applicable.
```

### HTTP

- **marshallLocationName**: Message
- **unmarshallLocationName**: message

### Model

- **variableDeclarationType**: String
- **variableName**: message
- **variableType**: String
- **documentation**: "A message that provides more information about the status, if applicable.
- **simple**: true

### Varargs

```java
public void setMessage(String... message)

A message that provides more information about the status, if applicable.
```
"value" : "active"
}, {  
"name" : "Deleted",
"value" : "deleted"
}, {  
"name" : "Rejected",
"value" : "rejected"
}, {  
"name" : "Failed",
"value" : "failed"
}, {  
"name" : "Expired",
"value" : "expired"
}, {  
"name" : "Provisioning",
"value" : "provisioning"
}, {  
"name" : "Deleting",
"value" : "deleting"
} 
],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcPeeringConnectionStateReasonCode",
"unmarshaller" : {  
"flattened" : false,
"resultWrapper" : null
},
"variable" : {  
"variableDeclarationType" : "VpcPeeringConnectionStateReasonCode",
"variableName" : "vpcPeeringConnectionStateReasonCode",
"variableType" : "VpcPeeringConnectionStateReasonCode",
"documentation" : null,
"simpleType" : "VpcPeeringConnectionStateReasonCode",
"variableSetterType" : "VpcPeeringConnectionStateReasonCode"
},
"wrapper" : false
},
"VpcPeeringConnectionVpcInfo" : {  
"c2jName" : "VpcPeeringConnectionVpcInfo",
"description" : "VpcPeeringConnectionVpcInfo",
"documentation" : null,
"isValueMember" : false,
"name" : "VpcPeeringConnectionVpcInfo",
"simpleType" : "VpcPeeringConnectionVpcInfo",
"type" : "VpcPeeringConnectionVpcInfo"
}
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
  "deprecated" : false,
  "documentation" : "\p>Describes a VPC in a VPC peering connection.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "CidrBlock",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "\p>\nThe IPv4 CIDR block for the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "\p>/**\nThe IPv4 CIDR block for the VPC.<p>@param cidrBlock The IPv4
CIDR block for the VPC.<p>@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withCidrBlock",
    "getterDocumentation" : "/*\nThe IPv4 CIDR block for the VPC.<p>@return The IPv4 CIDR block for the VPC.</p>*/",
    "getterMethodName" : "getCidrBlock",
    "getterModel" : { 
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      "documentation" : null
    },
    "http" : { 
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      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "CidrBlock",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "cidrBlock",
      "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n * The IPv4 CIDR block for the VPC.
 *\n * @param cidrBlock The IPv4 CIDR block for the VPC.
 *\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCidrBlock",
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  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The IPv4 CIDR block for the VPC.
 *\n * @param cidrBlock The IPv4 CIDR block for the VPC.
 *\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "The IPv4 CIDR block for the VPC.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The AWS account ID of the VPC owner."
"returnType" : "String",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The AWS account ID of the VPC owner.\n *\n * @param ownerId The AWS account ID of the VPC owner.\n *\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**\n * The AWS account ID of the VPC owner.\n *\n * @return The AWS account ID of the VPC owner.\n *\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  10649
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ownerId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",
"setterDocumentation": "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setOwnerId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "<p>The AWS account ID of the VPC owner.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>"}
"enumType": null,
"fluentSetterDocumentation": "/**\n* The ID of the VPC.
*\n* @param vpcId The ID of the VPC
*\n* Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**\n* The ID of the VPC.
*\n* @return The ID of the VPC
*\n* Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getVpcId",
"getterModel": {
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  "documentation": null
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  "additionalUnmarshallingPath": null,
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  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "vpcId",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
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*\n* @param vpcId The ID of the VPC
*\n* Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVpcId",
"setterModel": {
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  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n* The ID of the VPC.
*\n* @param vpcId The ID of the VPC\n*\n* Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": ""}
The ID of the VPC.

The IPv6 CIDR block for the VPC.

The IPv6 CIDR block for the VPC.

The IPv6 CIDR block for the VPC.
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Ipv6CidrBlock",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Ipv6CidrBlock",
  "variableName" : "member",
  "variableType" : "Ipv6CidrBlock",
  "documentation" : "",
  "simpleType" : "Ipv6CidrBlock",
  "variableSetterType" : "Ipv6CidrBlock"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Ipv6CidrBlock",
  "documentation" : ""}
"simpleType" : "Ipv6CidrBlock",
"variableSetterType" : "Ipv6CidrBlock"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Ipv6CidrBlock",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Ipv6CidrBlock",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
"templateType" : "java.util.List<Ipv6CidrBlock>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockSet",
"setterDocumentation" : "/**<p>The IPv6 CIDR block for the VPC.</p>
@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.*/",
"setterMethodName" : "setIpv6CidrBlockSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
  "variableName" : "ipv6CidrBlockSet",
  "variableType" : "java.util.List<Ipv6CidrBlock>",
  "documentation" : "",
  "simpleType" : "List<Ipv6CidrBlock>",
  "variableSetterType" : "java.util.Collection<Ipv6CidrBlock>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block for the VPC.</p>

@link #setIpv6CidrBlockSet(java.util.Collection) or
@link #withIpv6CidrBlockSet(java.util.Collection) if you want to override the existing values.</p>

@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
  "variableName" : "ipv6CidrBlockSet",
  "variableType" : "java.util.List<Ipv6CidrBlock>",
  "documentation" : "<p>The IPv6 CIDR block for the VPC.</p>

"simpleType" : "List<Ipv6CidrBlock>",
  "variableSetterType" : "java.util.Collection<Ipv6CidrBlock>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PeeringOptions"
"simpleType" : "VpcPeeringConnectionOptionsDescription",
"variableSetterType" : "VpcPeeringConnectionOptionsDescription"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>*/
@param peeringOptions Information about the VPC peering connection options for the accepter or requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VpcPeeringConnectionOptionsDescription",
"variableName" : "peeringOptions",
"variableType" : "VpcPeeringConnectionOptionsDescription",
"documentation" : "<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>
"simpleType" : "VpcPeeringConnectionOptionsDescription",
"variableSetterType" : "VpcPeeringConnectionOptionsDescription"
},
" ioctlSpaceUri" : null

"membersAsMap" : {
"CidrBlock" : {
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv4 CIDR block for the VPC."*/",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The IPv4 CIDR block for the VPC.*/
@param cidrBlock The IPv4 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/*<p>The IPv4 CIDR block for the VPC.*/
@return The IPv4 CIDR block for the VPC.

"getterMethodName" : "getCidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode": false,
"unmarshallLocationName": "cidrBlock",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrBlock",
"setterDocumentation": "/*<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.</*/",
"setterMethodName": "setCidrBlock",
"setterModel": {
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  "variableName": "cidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "cidrBlock",
  "variableType": "String",
  "documentation": "<p>The IPv4 CIDR block for the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
},
"Ipv6CidrBlockSet": {
  "c2jName": "Ipv6CidrBlockSet",
  "c2jShape": "Ipv6CidrBlockSet",
  "deprecated": false,
  "documentation": "<p>The IPv6 CIDR block for the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"fluentSetterMethodName": "withIpv6CidrBlockSet",
"getterDocumentation": "/*<p>The IPv6 CIDR block for the VPC.</p>
@return The IPv6 CIDR block for the VPC.
*/",
"getterMethodName": "getIpv6CidrBlockSet",
"map": null,
"mapModel": null,
"name": "IPv6CidrBlockSet",
"setterDocumentation": "/*<p>The IPv6 CIDR block for the VPC.</p>
@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setIpv6CidrBlockSet",
"setterModel": {
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  "variableName": "ipv6CidrBlockSet",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/*<p>The IPv6 CIDR block for the VPC.</p>
@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "ipv6CidrBlockSet",
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  "documentation": "<p>The IPv6 CIDR block for the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
}
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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 "variableName" : "member",
 "variableType" : "Ipv6CidrBlock",
 "documentation" : "",
 "simpleType" : "Ipv6CidrBlock",
 "variableSetterType" : "Ipv6CidrBlock"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Ipv6CidrBlock",
 "variableName" : "member",
 "variableType" : "Ipv6CidrBlock",
 "documentation" : "",
 "simpleType" : "Ipv6CidrBlock",
 "variableSetterType" : "Ipv6CidrBlock"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Ipv6CidrBlock",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Ipv6CidrBlock",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
"templateType" : "java.util.List<Ipv6CidrBlock>"}
"mapModel": null,
"name": "Ipv6CidrBlockSet",
"setterDocumentation": "/**\n<p>The IPv6 CIDR block for the VPC.</p>\n@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.*/",
"setterMethodName": "setIpv6CidrBlockSet",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
  "variableName": "ipv6CidrBlockSet",
  "variableType": "java.util.List<Ipv6CidrBlock>",
  "documentation": "",
  "simpleType": "List<Ipv6CidrBlock>",
  "variableSetterType": "java.util.Collection<Ipv6CidrBlock>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The IPv6 CIDR block for the VPC.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setIpv6CidrBlockSet(java.util.Collection) } or { @link #withIpv6CidrBlockSet(java.util.Collection) } if you want to override the existing values.\n\n@<paramname>ipv6CidrBlockSet</paramname> The IPv6 CIDR block for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
  "variableName": "ipv6CidrBlockSet",
  "variableType": "java.util.List<Ipv6CidrBlock>",
  "documentation": "The IPv6 CIDR block for the VPC.",
  "simpleType": "List<Ipv6CidrBlock>",
  "variableSetterType": "java.util.Collection<Ipv6CidrBlock>"
},
"xmlNameSpaceUri": null
},
"OwnerId": {
  "c2jName": "OwnerId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The AWS account ID of the VPC owner.",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The AWS account ID of the VPC owner.</p>\n@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withOwnerId",
  "getterDocumentation": "/**\n<p>The AWS account ID of the VPC owner.</p>\n@return The AWS account ID of the VPC owner.
\n@<paramname>ownerId</paramname> The AWS account ID of the VPC owner.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getOwnerId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
},
"http": {
  "additionalMarshallingPath": null
}
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "OwnerId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ownerId",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",
"setterDocumentation": "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setOwnerId",
"setterModel": {

"variableDeclarationType": "String",
"variableName": "ownerId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {

"variableDeclarationType": "String",
"variableName": "ownerId",
"variableType": "String",
"documentation": "<p>The AWS account ID of the VPC owner.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"PeeringOptions": {

"c2jName": "PeeringOptions",
"c2jShape": "VpcPeeringConnectionOptionsDescription",
"deprecated": false,
"documentation" : "Information about the VPC peering connection options for the acceptor or requester VPC.",
"enumType" : null,
"fluentSetterDocumentation" : "Information about the VPC peering connection options for the acceptor or requester VPC.

```

@param peeringOptions Information about the VPC peering connection options for the acceptor or requester VPC.

@return Returns a reference to this object so that method calls can be chained together.

```

"fluentSetterMethodName" : "withPeeringOptions",
"getterDocumentation" : "Information about the VPC peering connection options for the acceptor or requester VPC.

```

@return Information about the VPC peering connection options for the acceptor or requester VPC.

```

"getterMethodName" : "getPeeringOptions",
"getterModel" : {
    "returnType" : "VpcPeeringConnectionOptionsDescription",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PeeringOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "peeringOptions",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PeeringOptions",
"setterDocumentation" : "Information about the VPC peering connection options for the acceptor or requester VPC.

```

@param peeringOptions Information about the VPC peering connection options for the acceptor or requester VPC.

```

"setterMethodName" : "setPeeringOptions",
"setterModel" : {
    "variableDeclarationType" : "VpcPeeringConnectionOptionsDescription",
    "variableName" : "peeringOptions",
    "variableType" : "VpcPeeringConnectionOptionsDescription",
    "documentation" : "",
    "simpleType" : "VpcPeeringConnectionOptionsDescription",
    "variableSetterType" : "VpcPeeringConnectionOptionsDescription"
"simple" : false,
"varargSetterDocumentation" : "**Information about the VPC peering connection options for the accepter or requester VPC.**\n\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "VpcPeeringConnectionOptionsDescription",
"variableName" : "peeringOptions",
"variableType" : "VpcPeeringConnectionOptionsDescription",
"documentation" : "Information about the VPC peering connection options for the accepter or requester VPC.\n\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"simpleType" : "VpcPeeringConnectionOptionsDescription",
"variableSetterType" : "VpcPeeringConnectionOptionsDescription"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the VPC.\n\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the VPC.\n\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "The ID of the VPC.\n\n\n@returns The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"c2jName" : "VpcState",
"customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
    "name" : "Pending",
    "value" : "pending"
}, {
    "name" : "Available",
    "value" : "available"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : {},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcState",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "VpcState",
    "variableName" : "vpcState",
    "variableType" : "VpcState",
    "documentation" : null,
    "simpleType" : "VpcState",
    "variableSetterType" : "VpcState"
},
"wrapper" : false
},
"VpnConnection" : {
    "c2jName" : "VpnConnection",
    "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller": false,
"deprecated": false,
"documentation": "<p>Describes a VPN connection.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "VpnConnectionId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the VPN connection.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the VPN connection.</p>\n@param vpnConnectionId The ID of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVpnConnectionId",
  "getterDocumentation": "/**<p>The ID of the VPN connection.</p>\n@return The ID of the VPN connection.*/",
  "getterMethodName": "getVpnConnectionId",
  "getterModel": { 
    "returnType": "String",
    "documentation": null
  },
  "http": { 
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpnConnectionId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpnConnectionId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "VpnConnectionId",
}]}
"setterDocumentation": "/**\n<p>The ID of the VPN connection.</p>\n@param vpnConnectionId The ID of the VPN connection.*\n\n@returns Returns a reference to this object so that method calls can be chained together.*\n*/
"setterMethodName": "setVpnConnectionId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpnConnectionId",
  "variableType": "String",
  "documentation": "/\n<p>The ID of the VPN connection.</p>\n@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*\n*/
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpnConnectionId",
  "variableType": "String",
  "documentation": "\n<p>The ID of the VPN connection.</p>\n@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*\n*/
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "\n@param vpnConnectionId The ID of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpnConnectionId",
  "variableType": "String",
  "documentation": "\n<p>The ID of the VPN connection.</p>\n@param vpnConnectionId The ID of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "State",
"c2jShape": "VpnState",
"deprecated": false,
"documentation": "\n<p>The current state of the VPN connection.</p>\n@param state The current state of the VPN connection.\n@return The current state of the VPN connection.\n@see VpnState*/
"enumType": "VpnState",
"fluentSetterDocumentation": "/**\n<p>The current state of the VPN connection.</p>\n@param state The current state of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpnState*/
"fluentSetterMethodName": "withState",
"getterDocumentation": "\n@param state The current state of the VPN connection.\n@return The current state of the VPN connection.\n@see VpnState*/
"getterMethodName": "getState",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
"location": null,
"marshallLocationName": "State",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "state",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "State",
"setterDocumentation": "/**\n<p>The current state of the VPN connection.</p>\n@param state The current state of the VPN connection.\n@see VpnState*/",
"setterMethodName": "setState",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The current state of the VPN connection.</p>\n@param state The current state of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpnState*/",
"variable": {
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "state",
    "variableType": "String",
    "documentation": "<p>The current state of the VPN connection.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlnsNameSpaceUri": null
},
"c2jName": "CustomerGatewayConfiguration",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response;"
however, it's present in the `<a>DescribeVpnConnections</a>` response only if the VPN connection is in the `<code>pending</code>` or `<code>available</code>` state.

```java
public String getCustomerGatewayConfiguration() {
    return customerGatewayConfiguration;
}
```

```java
public void setCustomerGatewayConfiguration(String customerGatewayConfiguration) {
    this.customerGatewayConfiguration = customerGatewayConfiguration;
}
```

The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the `<a>CreateVpnConnection</a>` response; however, it's present in the `<a>DescribeVpnConnections</a>` response only if the VPN connection is in the `<code>pending</code>` or `<code>available</code>` state.
<code>available</code> state. */

```json
"setterMethodName" : "setCustomerGatewayConfiguration",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayConfiguration",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** The configuration information for the VPN connection's customer
gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response;
however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the
<code>pending</code> or <code>available</code> state.</p>

@param customerGatewayConfiguration The configuration information for the VPN connection's customer
gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the
<a>DescribeVpnConnections</a> response only if the VPN connection is in the
<code>pending</code> or <code>available</code> state.

@return Returns a reference to this object so that method calls can be chained together. */",

```
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "Type",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "type",  
  "uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "Type",  
"setterDocumentation": "/** <p>The type of VPN connection.</p> 
@see GatewayType*/",  
"setterMethodName": "setType",  
"setterModel": {  
  "variableDeclarationType": "String",  
  "variableName": "type",  
  "variableType": "String",  
  "documentation": "",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/** <p>The type of VPN connection.</p> 
@see GatewayType*/",  
"variable": {  
  "variableDeclarationType": "String",  
  "variableName": "type",  
  "variableType": "String",  
  "documentation": "The type of VPN connection."",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"xmlNameSpaceUri": null
},
"c2jName": "CustomerGatewayId"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN connection.</p>*/
@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGatewayId",
"getterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN connection.</p>
@return The ID of the customer gateway at your end of the VPN connection.*/",
"getterMethodName" : "getCustomerGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CustomerGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "customerGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN connection.</p>*/
@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "customerGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the customer gateway at your end of the VPN connection.</p>@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "customerGatewayId",
  "variableType": "String",
  "documentation": "<p>The ID of the customer gateway at your end of the VPN connection.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "VpnGatewayId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
  "getterMethodName": "getVpnGatewayId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpnGatewayId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpnGatewayId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "fluentlySetterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentlySetterMethodName": "withVpnGatewayId",
  "getterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>@return The ID of the virtual private gateway at the AWS side of the VPN connection.*/",
  "getterMethodName": "getVpnGatewayId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpnGatewayId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpnGatewayId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**\n * The ID of the virtual private gateway at the AWS side of the VPN connection.
 */",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the virtual private gateway at the AWS side of the VPN connection.
 */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "Any tags assigned to the VPN connection.
 */",
  "enumType" : "null",
  "fluentSetterDocumentation" : "/**\n * Any tags assigned to the VPN connection.
 */",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**\n * Any tags assigned to the VPN connection.
 */",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : "null",
  },
  "http" : {
    "additionalMarshallingPath" : "null",
    "additionalUnmarshallingPath" : "null",
  }
}
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "TagSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "tagSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Tag",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
\@param member \n\n@return Returns a reference to this object so that
method calls can be chained together.*\*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n\n@return \n\nReturns a reference to this object so that
method calls can be chained together.*\*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "Tag",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
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"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
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"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the VPN connection.</p>
@param tags Any tags assigned to the VPN connection.*/",
"setterMethodName" : "setTags",
"setterModel" : {
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  "variableName" : "tags",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the VPN connection.</p>
<p>NOTE:<br>This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p>
@param tags Any tags assigned to the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "<p>Any tags assigned to the VPN connection.</p>",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
},
{"c2jName": "VgwTelemetry",
"c2jShape": "VgwTelemetryList",
"deprecated": false,
"documentation": "<p>Information about the VPN tunnel.</p>
@param vgwTelemetry Information about the VPN tunnel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVgwTelemetry",
"getterDocumentation": "/**<p>Information about the VPN tunnel.</p>
@return Information about the VPN tunnel.*/",
"getterMethodName": "getVgwTelemetry",
"getterModel": {
"returnType": "java.util.List<VgwTelemetry>",
"documentation": null
},
"http": {
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VgwTelemetry",
"queryString": false,
"variableDeclarationType" : "VgwTelemetry",
"variableName" : "member",
"variableType" : "VgwTelemetry",
"documentation" : "",
"simpleType" : "VgwTelemetry",
"variableSetterType" : "VgwTelemetry"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VgwTelemetry",
"variableName" : "member",
"variableType" : "VgwTelemetry",
"documentation" : "",
"simpleType" : "VgwTelemetry",
"variableSetterType" : "VgwTelemetry"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VgwTelemetry",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VgwTelemetry",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
"templateType" : "java.util.List<VgwTelemetry>"
},
"map" : false,
"mapModel" : null,
"name" : "VgwTelemetry",
"setterDocumentation" : "/**\nInformation about the VPN tunnel. 
@param vgwTelemetry Information about the VPN tunnel.*/",
"setterMethodName" : "setVgwTelemetry",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VgwTelemetry>"
","variableName" : "vgwTelemetry",
"variableType" : "java.util.List<VgwTelemetry>"
","documentation" : "",
"simpleType" : "List<VgwTelemetry>"
","variableSetterType" : "java.util.Collection<VgwTelemetry>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nInformation about the VPN tunnel. 
@param vgwTelemetry Information about the VPN tunnel.*/"};

NOTE: This
method appends the values to the existing list (if any). Use [@link #setVgwTelemetry(java.util.Collection)] or [@link #withVgwTelemetry(java.util.Collection)] if you want to override the existing values.</p>

@returns

- Returns a reference to this object so that method calls can be chained together.*/

```

/**
 * Information about the VPN tunnel.
 */

**
 * Information about the VPN tunnel.
 */

```

* @param vgwTelemetry Information about the VPN tunnel.
* @returns Returns a reference to this object so that method calls
* can be chained together.*/

```

```
"name" : "Options",
"setterDocumentation" : "/**<p>The VPN connection options.</p>
@param options The VPN connection options.*/",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptions",
  "documentation" : "",
  "simpleType" : "VpnConnectionOptions",
  "variableSetterType" : "VpnConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The VPN connection options.</p>
@param options The VPN connection options.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptions",
  "documentation" : "<p>The VPN connection options.</p>
  "simpleType" : "VpnConnectionOptions",
  "variableSetterType" : "VpnConnectionOptions"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Routes",
"c2jShape" : "VpnStaticRouteList",
"deprecated" : false,
"documentation" : "<p>The static routes associated with the VPN connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The static routes associated with the VPN connection.</p>
@param routes The static routes associated with the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRoutes",
"getterDocumentation" : "/**<p>The static routes associated with the VPN connection.</p>
@return The static routes associated with the VPN connection.*/",
"getterMethodName" : "getRoutes",
"getterModel" : {
  "returnType" : "java.util.List<VpnStaticRoute>",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routes",
"uri" : false
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"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VpnStaticRoute",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "c2jName" : "member",
      "c2jShape" : "VpnStaticRoute",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpnStaticRoute",
  "variableName" : "member",
  "variableType" : "VpnStaticRoute",
  "documentation" : "",
  "simpleType" : "VpnStaticRoute",
  "variableSetterType" : "VpnStaticRoute"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "VpnStaticRoute",
  "documentation" : "",
  "simpleType" : "VpnStaticRoute",
  "variableSetterType" : "VpnStaticRoute"
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"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpnStaticRoute",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpnStaticRoute",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
"templateType" : "java.util.List<VpnStaticRoute>"
},
"map" : false,
"mapModel" : null,
"name" : "Routes",
"setterDocumentation" : "/**<p>The static routes associated with the VPN connection.</p>
@param routes
The static routes associated with the VPN connection.</p>\n@param routes */",
"setterMethodName" : "setRoutes",
"setterModel" : {
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  "variableName" : "routes",
  "variableType" : "java.util.List<VpnStaticRoute>",
  "documentation" : "",
  "simpleType" : "List<VpnStaticRoute>",
  "simple" : false,
  "simpleType" : "List<VpnStaticRoute>",
  "map" : false,
  "mapModel" : null,
  "name" : "Routes",
  "setterDocumentation" : "/**<p>The static routes associated with the VPN connection.*/",
  "setterMethodName" : "setRoutes",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
    "variableName" : "routes",
    "variableType" : "java.util.List<VpnStaticRoute>",
    "documentation" : ",
    "simpleType" : "List<VpnStaticRoute>"
"variableSetterType" : "java.util.Collection<VpnStaticRoute>" 
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The static routes associated with the VPN connection.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setRoutes(java.util.Collection)] or [@link #withRoutes(java.util.Collection)] if you want to override the existing values.</p>@param routes The static routes associated with the VPN connection.</b>@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
"variableName" : "routes",
"variableType" : "java.util.List<VpnStaticRoute>",
"documentation" : "The static routes associated with the VPN connection.<p>/p>
"simpleType" : "List<VpnStaticRoute>",
"variableSetterType" : "java.util.Collection<VpnStaticRoute>"
},
"xmlNameSpaceUri" : null
]",
"membersAsMap" : {
"CustomerGatewayConfiguration" : {
"c2jName" : "CustomerGatewayConfiguration",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.<p>/p>
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>@param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</b>@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withCustomerGatewayConfiguration",
"getterDocumentation" : "/*<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>@return The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.*"",
"getterMethodName" : "getCustomerGatewayConfiguration",
"getterModel" : {
"returnType" : "String",
"xmlType" : "String"}
**CustomerGatewayConfiguration**

*setterDocumentation*: "/**<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>

@param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.*/",

*setterMethodName*: "setCustomerGatewayConfiguration",

*setterModel*: {
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  "variableName": "customerGatewayConfiguration",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

*simple*: true,

*varargSetterDocumentation*: "/**<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>

@param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.*/",

*varargSetterMethodName*: "setCustomerGatewayConfiguration"
<code>available</code> state.

```java
return Returns a reference to this object so that method calls can be chained
together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "customerGatewayConfiguration",
    "variableType" : "String",
    "documentation" : "<p>The configuration information for the VPN connection's customer gateway (in the
native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's
present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the
<code>pending</code> or <code>available</code> state.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"CustomerGatewayId" : {
    "c2jName" : "CustomerGatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ID of the customer gateway at your end of the VPN
connection.</p>@param customerGatewayId The ID of the customer gateway at your end of the VPN
connection.@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCustomerGatewayId",
    "getterDocumentation" : "/*<p>The ID of the customer gateway at your end of the VPN
connection.</p>@return The ID of the customer gateway at your end of the VPN connection.*/",
    "getterMethodName" : "getCustomerGatewayId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "CustomerGatewayId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "customerGatewayId",
        "uri" : false
    },
    "idempotencyToken" : false,
}
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Options" : {
  "c2jName" : "Options",
  "c2jShape" : "VpnConnectionOptions",
  "deprecated" : false,
  "documentation" : "<p>The VPN connection options.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The VPN connection options.</p>\n@param options The VPN connection options.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOptions",
  "getterDocumentation" : "/**<p>The VPN connection options.\n@return The VPN connection options.*/",
  "getterMethodName" : "getOptions",
  "getterModel" : {
    "returnType" : "VpnConnectionOptions",
    "documentation" : null
  },
  "http" : {
    "errorPath" : null,
    "id" : null,
    "operationId" : null,
    "parameters" : {
      "customerGatewayId" : null,
      "options" : null
    },
    "response" : null,
    "serviceId" : null,
    "serviceName" : null,
    "successResponse" : null
  },
  "xmlNameSpaceUri" : null
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "options",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Options",
"setterDocumentation" : "/**<p>The VPN connection options.</p>
@param options The VPN connection
options.*/",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptions",
  "documentation" : "",
  "simpleType" : "VpnConnectionOptions",
  "variableSetterType" : "VpnConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The VPN connection options.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptions",
  "documentation" : "<p>The VPN connection options.</p>

","variableSetterType" : "VpnConnectionOptions"
},
"xmlNameSpaceUri" : null
},
"Routes" : {
  "c2jName" : "Routes",
  "c2jShape" : "VpnStaticRouteList",
  "deprecated" : false,
"documentation" : "The static routes associated with the VPN connection.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRoutes",
"getterDocumentation" : "The static routes associated with the VPN connection.\n\n@returns The static routes associated with the VPN connection.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getRoutes",
"getterModel" : {
  "returnType" : "java.util.List<VpnStaticRoute>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Routes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VpnStaticRoute",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "@param member \n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "VpnStaticRoute",
      "documentation" : null
    }
  }
}
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
* @param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "VpnStaticRoute",
"variableName": "member",
"variableType": "VpnStaticRoute",
"documentation": "",
"simpleType": "VpnStaticRoute",
"variableSetterType": "VpnStaticRoute"
},
"simple": false,
"varargSetterDocumentation": "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "VpnStaticRoute",
"variableName": "member",
"variableType": "VpnStaticRoute",
"documentation": "",
"simpleType": "VpnStaticRoute",
"variableSetterType": "VpnStaticRoute"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "VpnStaticRoute",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
The static routes associated with the VPN connection.

```java
public class VpnStaticRoute {
    // ... (omitted for brevity)

    // Getters and setters
    public List<VpnStaticRoute> getRoutes()
    public void setRoutes(List<VpnStaticRoute> routes)
}
```

The current state of the VPN connection.

```java
public class VpnState {
    // ... (omitted for brevity)

    // Getters and setters
    public VpnState getState()
    public void setState(VpnState state)
}
```
`getterDocumentation`: "/**<p>The current state of the VPN connection.</p>
@return The current state of the VPN connection.
@see VpnState*/",
`getterMethodName`: "getState",
`getterModel`: {
    "returnType": "String",
    "documentation": null
},
`http`: {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "State",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "state",
    "uri": false
},
`idempotencyToken": false,
`list": false,
`listModel": null,
"map": false,
"mapModel": null,
"name": "State",
`setterDocumentation": "/**<p>The current state of the VPN connection.</p>
@param state The current state of the VPN connection.
@see VpnState*/",
`setterMethodName": "setState",
`setterModel": {
    "variableDeclarationType": "String",
    "variableName": "state",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
`varargSetterDocumentation": "/**<p>The current state of the VPN connection.</p>
@param state The current state of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
`variable": {
    "variableDeclarationType": "String",
    "variableName": "state",
    "variableType": "String",
    "documentation": "<p>The current state of the VPN connection.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
],
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the VPN connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the VPN connection.</p>
@returns {Tags} Any tags assigned to the VPN connection."
",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the VPN connection.</p>
@returns {List<Tag>} Any tags assigned to the VPN connection."
",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
],
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : ""}
Any tags assigned to the VPN connection. */
*/

This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link
#withTags(java.util.Collection)} if you want to override the existing values.

\n@method setTags
\nReturns a reference to this object so that method calls can be chained together. */

\n{variable} : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the VPN connection. */",
  "simple" : false,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"Type" : {
  "c2jName" : "Type",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"c2jShape" : "GatewayType",
"deprecated" : false,
"documentation" : "<p>The type of VPN connection.</p>",
"enumType" : "GatewayType",
"fluentSetterDocumentation" : "/**<p>The type of VPN connection.</p>
@param type The type of VPN connection.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<p>The type of VPN connection.</p>
@return The type of VPN connection.
@see GatewayType*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**<p>The type of VPN connection.</p>
@param type The type of VPN connection.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
"setterMethodName" : "setType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n*<p>The type of VPN connection.</p>\n@\n*return Returns a reference to this object so that method calls can be chained together.\n*see GatewayType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The type of VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"VgwTelemetry" : {
  "c2jName" : "VgwTelemetry",
  "c2jShape" : "VgwTelemetryList",
  "deprecated" : false,
  "documentation" : "<p>Information about the VPN tunnel.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n*<p>Information about the VPN tunnel.</p>\n@\n*return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVgwTelemetry",
  "getterDocumentation" : "/*\n*<p>Information about the VPN tunnel.</p>\n@\n*return Information about the VPN tunnel.*/",
  "getterMethodName" : "getVgwTelemetry",
  "getterModel" : {
    "returnType" : "java.util.List<VgwTelemetry>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VgwTelemetry",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vgwTelemetry",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "VgwTelemetry",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "VgwTelemetry",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "VgwTelemetry",
    "variableName" : "member",
    "variableType" : "VgwTelemetry",
    "documentation" : "",
    "simpleType" : "VgwTelemetry",
    "variableSetterType" : "VgwTelemetry"
  }
}
"simple": false,
"varargSetterDocumentation": "/**
@param vgwTelemetry Information about the VPN tunnel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "VgwTelemetry",
  "variableName": "member",
  "variableType": "VgwTelemetry",
  "documentation": "",
  "simpleType": "VgwTelemetry",
  "variableSetterType": "VgwTelemetry"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "VgwTelemetry",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VgwTelemetry",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
"templateType": "java.util.List<VgwTelemetry>"
},
"map": false,
"mapModel": null,
"name": "VgwTelemetry",
"setterDocumentation": "<p>Information about the VPN tunnel.</p>\n@param vgwTelemetry Information about the VPN tunnel.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVgwTelemetry",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
  "variableName": "vgwTelemetry",
  "variableType": "java.util.List<VgwTelemetry>",
  "documentation": "",
  "simpleType": "List<VgwTelemetry>",
  "variableSetterType": "java.util.Collection<VgwTelemetry>"
},
"simple": false,
"varargSetterDocumentation": "<p>Information about the VPN tunnel.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setVgwTelemetry(java.util.Collection)} or \{@link #withVgwTelemetry(java.util.Collection)} if you want to override the existing values.\n@param vgwTelemetry Information about the VPN tunnel.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
  "variableName": "vgwTelemetry",
  "variableType": "java.util.List<VgwTelemetry>",
  "documentation": "",
  "simpleType": "List<VgwTelemetry>",
  "variableSetterType": "java.util.Collection<VgwTelemetry>"
}
"variableType" : "java.util.List<VgwTelemetry>",
"documentation" : "<p>Information about the VPN tunnel.</p>",
"simpleType" : "List<VgwTelemetry>",
"variableSetterType" : "java.util.Collection<VgwTelemetry>",
"xmlNameSpaceUri" : null,
"VpnConnectionId" : {
  "c2jName" : "VpnConnectionId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPN connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
   * @param vpnConnectionId The ID of the VPN connection.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpnConnectionId",
  "getterDocumentation" : "/**<p>The ID of the VPN connection.</p>
   * @return The ID of the VPN connection.
   */",
  "getterMethodName" : "getVpnConnectionId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpnConnectionId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpnConnectionId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpnConnectionId",
  "setterDocumentation" : "/**<p>The ID of the VPN connection.</p>
   * @param vpnConnectionId The ID of the VPN connection.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpnConnectionId",
}
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpnConnectionId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpnConnectionId",
    "variableType" : "String",
    "documentation" : <p>The ID of the VPN connection.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpnGatewayId" : {
    "c2jName" : "VpnGatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
    @param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.
    @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withVpnGatewayId",
    "getterDocumentation" : "/** <p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
    @return The ID of the virtual private gateway at the AWS side of the VPN connection.
    */",
    "getterMethodName" : "getVpnGatewayId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
    },
"marshallLocationName": "VpnGatewayId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpnGatewayId",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpnGatewayId",
"setterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.*/",
"setterMethodName": "setVpnGatewayId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpnGatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpnGatewayId",
  "variableType": "String",
  "documentation": "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VpnConnection",
"unmarshall": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {"marshallLocationName": "VpnGatewayId","queryString": false,"statusCode": false,"unmarshallLocationName": "vpnGatewayId","uri": false"},"idempotencyToken": false,"list": false,"listModel": null,"map": false,"mapModel": null,"name": "VpnGatewayId","setterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.*/","setterMethodName": "setVpnGatewayId","setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpnGatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String""},"simple": true,"varargSetterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/","variable": {
  "variableDeclarationType": "String",
  "variableName": "vpnGatewayId",
  "variableType": "String",
  "documentation": "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>"},"xmlNameSpaceUri": null}},
"variableDeclarationType" : "VpnConnection",
"variableName" : "vpnConnection",
"variableType" : "VpnConnection",
"documentation" : null,
"simpleType" : "VpnConnection",
"variableSetterType" : "VpnConnection",
"wrapper" : false,
"VpnConnectionOptions" : {
"c2jName" : "VpnConnectionOptions",
"customization" : {
  "artifactResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes VPN connection options.\\n\\n<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\\n<p>\\n\n<code>withStaticRoutesOnly</code> Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\\n
```java
@Param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\\n
\n\n**Return**

`staticRoutesOnly` indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
```
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "StaticRoutesOnly",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\\n\\n<p>\n\n**Return**

`withStaticRoutesOnly` Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\\n
```
"http" : {
  "additionalMarshallingPath" : null,
  "enumType" : null,
  "fluentSetterDocumentation" : "**Return**

`staticRoutesOnly` indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
```
"fluentSetterMethodName" : "withStaticRoutesOnly",
"getterDocumentation" : "**Return**

`getStaticRoutesOnly` Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
```
"getMethodNumber" : "getStaticRoutesOnly",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StaticRoutesOnly",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "staticRoutesOnly",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StaticRoutesOnly",
"setterDocumentation" : "/**
* Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
*/
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setStaticRoutesOnly",
"setterModel" : {
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"variableName" : "staticRoutesOnly",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
*/
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "staticRoutesOnly",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
}
"StaticRoutesOnly" : {
    "c2jName" : "StaticRoutesOnly",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>\n@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withStaticRoutesOnly",
    "getterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>\n@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>*/",
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    "getterModel" : {
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        "documentation" : null
    },
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "StaticRoutesOnly",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "staticRoutesOnly",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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    "setterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>\n@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>*/",
    "setterMethodName" : "setStaticRoutesOnly",
    "setterModel" : {
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        "variableName" : "staticRoutesOnly",
    }
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"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Returns a reference to this object so that method calls can be chained together.*"",
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@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Returns a reference to this object so that method calls can be chained together.*",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null}
}

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"required" : null,
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"unmarshaller" : {
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"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "VpnConnectionOptions",
"variableName" : "vpnConnectionOptions",
"variableType" : "VpnConnectionOptions",
"documentation" : null,
"simpleType" : "VpnConnectionOptions",
"variableSetterType" : "VpnConnectionOptions"
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"wrapper" : false
},
"VpnConnectionOptionsSpecification" : {
"c2jName" : "VpnConnectionOptionsSpecification",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
"deprecated" : false,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "StaticRoutesOnly",
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"deprecated" : false,
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"fluentSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.*/
**/",
"fluentSetterMethodName" : "withStaticRoutesOnly",
"getterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.*/
**/",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "staticRoutesOnly",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StaticRoutesOnly",
"setterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.*/",
"setterMethodName" : "setStaticRoutesOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "staticRoutesOnly",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Boolean",
  "documentation" : "p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlnsNameSpaceUri" : null
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"membersAsMap" : {
  "StaticRoutesOnly" : {
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    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withStaticRoutesOnly",
    "getterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.*/",
    "getterMethodName" : "getStaticRoutesOnly",
    "getterModel" : {

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"documentation" : null
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 "greedy" : false,
 "header" : false,
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 "isStreaming" : false,
 "location" : null,
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 "statusCode" : false,
 "unmarshallLocationName" : "staticRoutesOnly",
 "uri" : false
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"map" : false,
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"name" : "StaticRoutesOnly",
"setterDocumentation" : "/**\n@author staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType" : "Boolean",
 "documentation" : "",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"simple" : true,
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\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "Boolean",
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"xmlNameSpaceUri" : null
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"resultWrapper" : null
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"variableName" : "vpnConnectionOptionsSpecification",
"variableType" : "VpnConnectionOptionsSpecification",
"documentation" : null,
"simpleType" : "VpnConnectionOptionsSpecification",
"variableSetterType" : "VpnConnectionOptionsSpecification"
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"wrapper" : false
],
"VpnGateway" : {
"c2jName" : "VpnGateway",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a virtual private gateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the virtual private gateway.</p>*/\n@param vpnGatewayId The ID of the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained
"fluentSetterMethodName" : "withVpnGatewayId",
"getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@return The ID of the virtual private gateway.</p>*/",
"getterMethodName" : "getVpnGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpnGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpnGatewayId",
  "uri" : false
},
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"listModel" : null,
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"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.</p>*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>*/
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
"variableType" : "String",
  "documentation" : "",}
"variableType" : "String",
"documentation" : "&lt;p&gt;The ID of the virtual private gateway.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "State",
"c2jShape" : "VpnState",
"deprecated" : false,
"documentation" : "&lt;p&gt;The current state of the virtual private gateway.&lt;/p&gt;",
"enumType" : "VpnState",
"fluentSetterDocumentation" : "/**&lt;p&gt;The current state of the virtual private gateway.&lt;/p&gt;&lt;@param state The current state of the virtual private gateway.&lt;@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;&lt;@see VpnState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**&lt;p&gt;The current state of the virtual private gateway.&lt;/p&gt;&lt;@return The current state of the virtual private gateway.&lt;@see VpnState*/",
"getterMethodName" : "getState",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
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"http" : {
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
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   "statusCode" : false,
   "unmarshallLocationName" : "state",
   "uri" : false
},
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"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**&lt;p&gt;The current state of the virtual private gateway.&lt;/p&gt;&lt;@param state The current state of the virtual private gateway.&lt;@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;&lt;@see VpnState*/",
"setterMethodName" : "setState",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the virtual private gateway.</p>
@param state The current state of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
"variable" : {
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"variableType" : "String",
"documentation" : "The current state of the virtual private gateway.
@param state The current state of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "Type",
"c2jShape" : "GatewayType",
"deprecated" : false,
"documentation" : "The type of VPN connection the virtual private gateway supports.
<p>The type of VPN connection the virtual private gateway supports.</p>
@param type The type of VPN connection the virtual private gateway supports.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "The type of VPN connection the virtual private gateway supports.
@return The type of VPN connection the virtual private gateway supports.
@see GatewayType*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
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"unmarshallLocationName" : "type",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**<p>The type of VPN connection the virtual private gateway supports.</p>
@param type The type of VPN connection the virtual private gateway supports.
@see GatewayType*/",
"setterMethodName" : "setType",
"setterModel" : {
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  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of VPN connection the virtual private gateway supports.</p>
@param type The type of VPN connection the virtual private gateway supports.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
"variable" : {
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  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "The type of VPN connection the virtual private gateway supports."",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
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  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.

@see AvailabilityZone",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.

@see AvailabilityZone
@return Returns a reference to this object so that method calls can be chained together.

@see AvailabilityZone*/",
  "fluentSetterMethodName" : "withAvailabilityZone",
  "getterDocumentation" : "/**<p>The Availability Zone where the virtual private gateway was created, if

@see AvailabilityZone
*/",}

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applicable. This field may be empty or not returned.</p>

@return The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.*"},

"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "AvailabilityZone",

"setterDocumentation" : "/**
<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>

@param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.

@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setAvailabilityZone",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**
<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>

@vararg availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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  "variableName" : "availabilityZone"
"variableType" : "String",
"documentation" : "<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcAttachments",
"c2jShape" : "VpcAttachmentList",
"deprecated" : false,
"documentation" : "<p>Any VPCs attached to the virtual private gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param vpcAttachments Any VPCs attached to the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.**/",
"fluentSetterMethodName" : "withVpcAttachments",
"getterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@return Any VPCs attached to the virtual private gateway.*="/",
"getterMethodName" : "getVpcAttachments",
"getterModel" : {
"returnType" : "java.util.List<VpcAttachment>",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachments",
"uri" : false
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "VpcAttachment",
"deprecated" : false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation": "/**
@return */",
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"getterModel": {
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"documentation": null
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "VpcAttachment",
"variableName": "member",
"variableType": "VpcAttachment",
"documentation": "",
"simpleType": "VpcAttachment",
"variableSetterType": "VpcAttachment"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "VpcAttachment",
"variableName": "member"}
"variableType" : "VpcAttachment",
"documentation" : "",
"simpleType" : "VpcAttachment",
"variableSetterType" : "VpcAttachment"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcAttachment",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"templateType" : "java.util.List<VpcAttachment>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcAttachments",
"setterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param vpcAttachments Any VPCs attached to the virtual private gateway. */",
"setterMethodName" : "setVpcAttachments",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"variableName" : "vpcAttachments",
"variableType" : "java.util.List<VpcAttachment>",
"documentation" : "",
"simpleType" : "List<VpcAttachment>",
"variableSetterType" : "java.util.Collection<VpcAttachment>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcAttachments",
"setterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param vpcAttachments Any VPCs attached to the virtual private gateway. */",
"setterMethodName" : "setVpcAttachments",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"variableName" : "vpcAttachments",
"variableType" : "java.util.List<VpcAttachment>",
"documentation" : "",
"simpleType" : "List<VpcAttachment>",
"variableSetterType" : "java.util.Collection<VpcAttachment>"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag">
],
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the virtual private gateway.</p>
@param tags Any tags assigned to the virtual private gateway.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the virtual private gateway.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.</p>\n@param tags Any tags assigned to the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the virtual private gateway.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "AvailabilityZone" : {
    "c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone where the virtual private gateway was created, if applicable."
  }
}
This field may be empty or not returned.

```
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n */\n @param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**\n * The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n */\n @return The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned. */",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "AvailabilityZone",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "availabilityZone",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**\n * The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n */\n @param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned. */",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "availabilityZone",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
```
"simple" : true,
"varargSetterDocumentation" : "/**\nThe Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n\n@paraavailabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null

"State" : {
"c2jName" : "State",
"c2jShape" : "VpnState",
"deprecated" : false,
"documentation" : "The current state of the virtual private gateway.",
"enumType" : "VpnState",
"fluentSetterDocumentation" : "/**\nThe current state of the virtual private gateway.
\n@para\n\n@see VpnState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**\nThe current state of the virtual private gateway.
\n@return The current state of the virtual private gateway.\n\n@see VpnState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the virtual private gateway.\n@see VpnState*/",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The current state of the virtual private gateway.\n@param state The current state of the virtual private gateway.\n@see VpnState*/",
"variable" : {
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    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The current state of the virtual private gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>Any tags assigned to the virtual private gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>Any tags assigned to the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation" : "<p>Any tags assigned to the virtual private gateway.\n@return Any tags assigned to the virtual private gateway.*/",
    "getterMethodName" : "getTags",
    "getterModel" : {
        "returnType" : "java.util.List<Tag>",
        "documentation" : null
    }
}
{"http": {  "additionalMarshallingPath": null,  "additionalUnmarshallingPath": null,  "flattened": false,  "greedy": false,  "header": false,  "isPayload": false,  "isStreaming": false,  "location": null,  "marshallLocationName": "TagSet",  "queryString": false,  "statusCode": false,  "unmarshallLocationName": "tagSet",  "uri": false },  "idempotencyToken": false,  "list": true,  "listModel": {  "implType": "com.amazonaws.internal.SdkInternalList",  "interfaceType": "java.util.List",  "listMemberModel": {  "c2jName": "member",  "c2jShape": "Tag",  "deprecated": false,  "documentation": "",  "enumType": null,  "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",  "fluentSetterMethodName": "withMember",  "getterDocumentation": "/**\n@return */",  "getterMethodName": "getMember",  "getterModel": {  "returnType": "Tag",  "documentation": null },  "http": {  "additionalMarshallingPath": null,  "additionalUnmarshallingPath": null,  "flattened": false,  "greedy": false,  "header": false,  "isPayload": false,  "isStreaming": false,  "location": null,  "marshallLocationName": "Item",  "queryString": false,  "statusCode": false,  "unmarshallLocationName": "item"  }  }}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : ",",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : ",",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\nAny tags assigned to the virtual private gateway.
*/"
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the virtual private gateway.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>
@param tags Any tags assigned to the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the virtual private gateway.",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"Type" : {
  "c2jName" : "Type",
  "c2jShape" : "GatewayType",
  "deprecated" : false,
  "documentation" : "The type of VPN connection the virtual private gateway supports.",
  "enumType" : "GatewayType",
  "fluentSetterDocumentation" : "The type of VPN connection the virtual private gateway supports.

@see GatewayType*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "The type of VPN connection the virtual private gateway supports.

@see GatewayType*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**<p>The type of VPN connection the virtual private gateway
supports.</p>
@param type The type of VPN connection the virtual private gateway supports.
@see GatewayType*/",
"setterMethodName" : "setType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of VPN connection the virtual private gateway
supports.</p>
@param type The type of VPN connection the virtual private gateway supports.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The type of VPN connection the virtual private gateway supports.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcAttachments" : {
  "c2jName" : "VpcAttachments",
  "c2jShape" : "VpcAttachmentList",
  "deprecated" : false,
  "documentation" : "<p>Any VPCs attached to the virtual private gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param type The type of VPN connection the virtual private gateway supports.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
  "setterDocumentation" : "/**<p>The type of VPN connection the virtual private gateway
supports.</p>
@param type The type of VPN connection the virtual private gateway supports.
@see GatewayType*/",
  "setterMethodName" : "setVpcAttachment",
  "setterModel" : {
    "variableDeclarationType" : "VpcAttachment",
    "variableName" : "attachment",
    "variableType" : "VpcAttachment",
    "documentation" : "",
    "simpleType" : "VpcAttachment"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param attachments Any VPCs attached to the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
  "variable" : {
    "variableDeclarationType" : "VpcAttachment",
    "variableName" : "attachment",
    "variableType" : "VpcAttachment",
    "documentation" : "<p>Any VPCs attached to the virtual private gateway.</p>",
    "simpleType" : "VpcAttachment",
    "variableSetterType" : "VpcAttachment"
  }
}
vpcAttachments Any VPCs attached to the virtual private gateway.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * Any VPCs attached to the virtual private gateway.
 *
 * @return Any VPCs attached to the virtual private gateway.
 */

getterMethodName" : "getVpcAttachments",
getterModel" : {
"returnType" : "java.util.List<VpcAttachment>",
documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attachments",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachments",
"uri" : false
},
idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcAttachment",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**@param member {}

@return Returns a reference to this object so that method calls can be chained together.

/**
 * @return */

getterMethodName" : "withMember",
getterDocumentation" : "/**@return */

getterMethodName" : "getMember",
getterModel" : {
"returnType" : "VpcAttachment",
documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"simple": false,
"simpleType": "VpcAttachment",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"templateType": "java.util.List<VpcAttachment>
",
"map": false,
"mapModel": null,
"name": "VpcAttachments",
"setterDocumentation": "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param vpcAttachments Any VPCs attached to the virtual private gateway.*/",
"setterMethodName": "setVpcAttachments",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"variableName": "vpcAttachments",
"variableType": "java.util.List<VpcAttachment>",
"documentation": "",
"simpleType": "List<VpcAttachment>",
"variableSetterType": "java.util.Collection<VpcAttachment>
",
"simple": false,
"varargSetterDocumentation": "/**<p>Any VPCs attached to the virtual private gateway.</p>
Northern: This method appends the values to the existing list (if any). Use {@link #setVpcAttachments(java.util.Collection)} or {@link #withVpcAttachments(java.util.Collection)} if you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"variableName": "vpcAttachments",
"variableType": "java.util.List<VpcAttachment>",
"documentation": "<p>Any VPCs attached to the virtual private gateway.</p>",
"simpleType": "List<VpcAttachment>",
"variableSetterType": "java.util.Collection<VpcAttachment>
",
"xmlNameSpaceUri": null
},
"VpnGatewayId": {
"c2jName": "VpnGatewayId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the virtual private gateway.</p>",
"enumType": null,
"fluentSetterDocumentation": "**<p>The ID of the virtual private gateway.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpnGatewayId",
"getterDocumentation": "**<p>The ID of the virtual private gateway.</p>
@returns The ID of the virtual private gateway.*/",
"getterMethodName": "getVpnGatewayId",
"xmlNameSpaceUri": null
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpnGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpnGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpnGateway",
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
},
"variable" : {
 "variableDeclarationType" : "VpnGateway",
 "variableName" : "vpnGateway",
 "variableType" : "VpnGateway",
 "documentation" : null,
 "simpleType" : "VpnGateway",
 "variableSetterType" : "VpnGateway"
},
"wrapper" : false
},
"VpnState" : {
 "c2jName" : "VpnState",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "",
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 "name" : "Pending",
 "value" : "pending"
 }, {
 "name" : "Available",
 "value" : "available"
 }, {
 "name" : "Deleting",
 "value" : "deleting"
 }, {
 "name" : "Deleted",
 "value" : "deleted"
 } ],
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VpnState",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
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  "variableName": "vpnState",
  "variableType": "VpnState",
  "documentation": null,
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  "variableSetterType": "VpnState"
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"wrapper": false
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"VpnStaticRoute": {
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  "customization": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes a static route for a VPN connection.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
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      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The CIDR block associated with the local subnet of the customer data center.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/** <p>The CIDR block associated with the local subnet of the customer data center.</p>\n\n@returns Returns a reference to this object so that method calls can be chained together."*/",
    }
  ]
}}
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer data
center.\n</p>\n@return The CIDR block associated with the local subnet of the customer data center.*/",
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
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"map" : false,
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"name" : "DestinationCidrBlock",
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center.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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center.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"}
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"variableType" : "String",
"documentation" : "/**<p>Indicates how the routes were provided.</p>
@param source Indicates how the routes were provided.<p/>
@return Returns a reference to this object so that method calls can be chained together.<p>
@see VpnStaticRouteSource*/",
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"variableType" : "String",
"documentation" : "The current state of the static route.
@return The current state of the static route.
@see VpnState*/",
"xmlNameSpaceUri" : null
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"c2jName" : "State",
"c2jShape" : "VpnState",
"deprecated" : false,
"documentation" : "The current state of the static route.
@return The current state of the static route.
@see VpnState*/",
"gettersSetterDocumentation" : "/**<p>The current state of the static route.</p>
@param state The current state of the static route.
@return Returns a reference to this object so that method calls can be chained together.<p>
@see VpnState*/",
"gettersSetterMethodName" : "withState",
"gettersDocumentation" : "/**<p>The current state of the static route.</p>
@return The current state of the static route.
@see VpnState*/",
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"documentation" : null
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"uri" : false
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The current state of the static route.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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    "documentation" : "<p>The CIDR block associated with the local subnet of the customer data center.</p>",
    "enumType" : null,
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    "fluentSetterMethodName" : "withDestinationCidrBlock",
    "getterDocumentation" : "/*<p>The CIDR block associated with the local subnet of the customer data center.</p>\n@see VpnState*/",
    "getterMethodName" : "getDestinationCidrBlock",
    "setterDocumentation" : "/*<p>The CIDR block associated with the local subnet of the customer data center.</p>\n@see VpnState*/",
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      "variableName" : "destinationCidrBlock",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "destinationCidrBlock",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**
   * The CIDR block associated with the local subnet of the customer data center.
   * @param destinationCidrBlock The CIDR block associated with the local subnet of the customer data center.
   * @return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
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  "variableName" : "destinationCidrBlock",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
   * The CIDR block associated with the local subnet of the customer data center.
   * @param destinationCidrBlock The CIDR block associated with the local subnet of the customer data center
   * @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"variableSetterType" : "String",
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"xmlNamespaceUri" : null
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"Source" : {
  "c2jName" : "Source",
  "c2jShape" : "VpnStaticRouteSource",
  "deprecated" : false,
  "documentation" : "<p>Indicates how the routes were provided.</p>",
  "enumType" : "VpnStaticRouteSource",
  "fluentSetterDocumentation" : "/**<p>Indicates how the routes were provided.</p>@param source Indicates how the routes were provided.@see VpnStaticRouteSource*/",
  "fluentSetterMethodName" : "withSource",
  "getterDocumentation" : "/**<p>Indicates how the routes were provided.</p>@return Indicates how the routes were provided.@see VpnStaticRouteSource*/",
  "getterMethodName" : "getSource",
  "getterModel" : {
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    "documentation" : null
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Source",
  "setterDocumentation" : "/**<p>Indicates how the routes were provided.</p>@param source Indicates how the routes were provided.@see VpnStaticRouteSource*/",
  "setterMethodName" : "setSource",
  "setterModel" : {
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    "variableName" : "source",
  },
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  "variableName" : "source",
  "variableType" : "String",
  "documentation" : "Indicates how the routes were provided.<p>
  @param source Indicates how the routes were provided.<p>
  @return Returns a reference to this object so that method calls can be chained together.<p>
  @see VpnStaticRouteSource*/",
  "variableSetterType" : "String",
  "simple" : true,
  "varargSetterDocumentation" : "Indicates how the routes were provided.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "VpnState",
  "deprecated" : false,
  "documentation" : "The current state of the static route.<p>
  @param state The current state of the static route.<p>
  @return Returns a reference to this object so that method calls can be chained together.<p>
  @see VpnState*/",
  "fluentSetterDocumentation" : "The current state of the static route.<p>
  @return The current state of the static route.<p>
  @see VpnState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "The current state of the static route.<p>
  @return The current state of the static route.<p>
  @see VpnState*/",
  "getterMethodName" : "getState",
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"setterDocumentation" : "/**<p>The current state of the static route.</p>
@param state The current state of the static route.
@see VpnState*/",
"setterMethodName" : "setState",
"setterModel" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The current state of the static route.</p>
@param state The current state of the static route.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
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  "variableType" : "String",
  "documentation" : "<p>The current state of the static route.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpnStaticRoute",
"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "VpnStaticRoute",
  "variableName" : "vpnStaticRoute",
  "variableType" : "VpnStaticRoute",
  "documentation" : null,
"simpleType" : "VpnStaticRoute",
"variableSetterType" : "VpnStaticRoute"
},
"wrapper" : false
],
"VpnStaticRouteSource" : {
"c2jName" : "VpnStaticRouteSource",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
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"name" : "Static",
"value" : "Static"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpnStaticRouteSource",
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  "flattened" : false,
  "resultWrapper" : null
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  "variableType" : "VpnStaticRouteSource",
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  "simpleType" : "VpnStaticRouteSource",
  "variableSetterType" : "VpnStaticRouteSource"
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"customAuthorizers" : { },
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    "AllocateAddress" : [ {
      "comments" : {
        "input" : { },
        "output" : { }
      },
      "description" : "This example allocates an Elastic IP address to use with an instance in a VPC.",
      "id" : "ec2-allocate-address-1",
      "input" : {
        "Domain" : "vpc"
      },
      "output" : {
        "PublicIp" : "203.0.113.0",
        "Domain" : "vpc",
        "AllocationId" : "eipalloc-64d5890a"
      },
      "title" : "To allocate an Elastic IP address for EC2-VPC"
    },
    "AllocateAddress" : [ {
      "comments" : {
        "input" : { },
        "output" : { }
      },
      "description" : "This example allocates an Elastic IP address to use with an instance in EC2-Classic.",
      "id" : "ec2-allocate-address-2",
      "input" : null,
      "output" : {
        "PublicIp" : "198.51.100.0",
        "Domain" : "standard"
      },
      "title" : "To allocate an Elastic IP address for EC2-Classic"
    }],
    "AssignPrivateIpAddresses" : [ {
      "comments" : {
        "input" : { },
        "output" : { }
      },
      "description" : "This example assigns the specified secondary private IP address to the specified network interface.",
      "id" : "ec2-assign-private-ip-addresses-1",
      "input" : {
        "NetworkInterfaceId" : "eni-e5aa89a3",
        "PrivateIpAddresses" : [ "10.0.0.82" ]
      },
      "output" : null,
      "title" : "To assign a specific secondary private IP address to an interface"
    },
    "AssignPrivateIpAddresses" : [ {
      "comments" : {
        "input" : { },
        "output" : { }
      },
      "description" : "This example assigns the specified secondary private IP address to the specified network interface.",
      "id" : "ec2-assign-private-ip-addresses-2",
      "input" : {
        "NetworkInterfaceId" : "eni-e5aa89a3",
        "PrivateIpAddresses" : [ "10.0.0.82" ]
      },
      "output" : null,
      "title" : "To assign a specific secondary private IP address to a network interface"
    }]
  }
}
"input" : { },
"output" : { }
},
"description" : "This example assigns two secondary private IP addresses to the specified network interface. Amazon EC2 automatically assigns these IP addresses from the available IP addresses in the CIDR block range of the subnet the network interface is associated with.",
"id" : "ec2-assign-private-ip-addresses-2",
"input" : {
 "NetworkInterfaceId" : "eni-e5aa89a3",
 "SecondaryPrivateIpAddressCount" : 2
 },
"output" : null,
"title" : "To assign secondary private IP addresses that Amazon EC2 selects to an interface"
}],
"AssociateAddress" : [ {
 "comments" : { 
 "input" : { },
 "output" : { }
 },
 "description" : "This example associates the specified Elastic IP address with the specified instance in a VPC.",
 "id" : "ec2-associate-address-1",
 "input" : { 
 "InstanceId" : "i-0b263919b6498b123",
 "AllocationId" : "eipalloc-64d5890a"
 },
 "output" : { 
 "AssociationId" : "eipassoc-2bebb745"
 },
 "title" : "To associate an Elastic IP address in EC2-VPC"
 },
 { "comments" : { 
 "input" : { },
 "output" : { }
 },
 "description" : "This example associates the specified Elastic IP address with the specified network interface.",
 "id" : "ec2-associate-address-2",
 "input" : { 
 "AllocationId" : "eipalloc-64d5890a",
 "NetworkInterfaceId" : "eni-1a2b3c4d"
 },
 "output" : { 
 "AssociationId" : "eipassoc-2bebb745"
 },
 "title" : "To associate an Elastic IP address with a network interface"
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"description": "This example associates an Elastic IP address with an instance in EC2-Classic.",
"id": "ec2-associate-address-3",
"input": {
    "InstanceId": "i-07ffe74c7330ebf53",
    "PublicIp": "198.51.100.0"
},
"output": null,
"title": "To associate an Elastic IP address in EC2-Classic"
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"AssociateDhcpOptions": [ {
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        "input": {},
        "output": {}
    },
    "description": "This example associates the specified DHCP options set with the specified VPC.",
    "id": "ec2-associate-dhcp-options-1",
    "input": {
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        "VpcId": "vpc-a01106c2"
    },
    "output": null,
    "title": "To associate a DHCP options set with a VPC"
}, {
    "comments": {
        "input": {},
        "output": {}
    },
    "description": "This example associates the default DHCP options set with the specified VPC.",
    "id": "ec2-associate-dhcp-options-2",
    "input": {
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        "VpcId": "vpc-a01106c2"
    },
    "output": null,
    "title": "To associate the default DHCP options set with a VPC"
} ],
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        "output": {}
    },
    "description": "This example associates the specified route table with the specified subnet.",
    "id": "ec2-associate-route-table-1",
    "input": {
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        "RouteTableId": "rtb-22574640"
    },
    "output": null,
    "title": "To associate a route table with a subnet"
"output" : {
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},
"title" : "To associate a route table with a subnet"
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"AttachInternetGateway" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example attaches the specified Internet gateway to the specified VPC.",
  "id" : "ec2-attach-internet-gateway-1",
  "input" : {
    "InternetGatewayId" : "igw-c0a643a9",
    "VpcId" : "vpc-a01106ce2"
  },
  "output" : null,
  "title" : "To attach an Internet gateway to a VPC"
}],
"AttachNetworkInterface" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example attaches the specified network interface to the specified instance.",
  "id" : "ec2-attach-network-interface-1",
  "input" : {
    "NetworkInterfaceId" : "eni-e5aa89a3",
    "InstanceId" : "i-1234567890abcdef0",
    "DeviceIndex" : 1
  },
  "output" : {
    "AttachmentId" : "eni-attach-66c4350a"
  },
  "title" : "To attach a network interface to an instance"
}],
"AttachVolume" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example attaches a volume ("vol-1234567890abcdef0") to an instance ("i-01474ef662b89480") as "/dev/sdf".",
  "id" : "to-attach-a-volume-to-an-instance-1472499213109",
  "input" : {
    "VolumeId" : "vol-1234567890abcdef0",
    "InstanceId" : "i-01474ef662b89480",
    "Device" : "/dev/sdf"
}
"CancelSpotFleetRequests" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example cancels the specified Spot fleet request and terminates its associated Spot Instances.",
  "id" : "ec2-cancel-spot-fleet-requests-1",
  "input" : { 
    "SpotFleetRequestIds" : [ "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE" ],
    "TerminateInstances" : true
  },
  "output" : { 
    "SuccessfulFleetRequests" : [ { 
      "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
      "CurrentSpotFleetRequestState" : "cancelled_running",
      "PreviousSpotFleetRequestState" : "active"
    } ]
  },
  "title" : "To cancel a Spot fleet request"
}, { 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example cancels the specified Spot fleet request without terminating its associated Spot Instances.",
  "id" : "ec2-cancel-spot-fleet-requests-2",
  "input" : { 
    "SpotFleetRequestIds" : [ "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE" ],
    "TerminateInstances" : false
  },
  "output" : { 
    "SuccessfulFleetRequests" : [ { 
      "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
      "CurrentSpotFleetRequestState" : "cancelled_terminating",
      "PreviousSpotFleetRequestState" : "active"
    } ]
  } ]
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"CancelSpotInstanceRequests": [ {
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 "input": { },
 "output": { }
 },
 "description": "This example cancels a Spot Instance request."
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 "id": "ec2-cancel-spot-instance-requests-1",
 "input": {
 "SpotInstanceRequestIds": [ "sir-08b934566" ]
 },
 "output": {
 "CancelledSpotInstanceRequests": [ {
 "SpotInstanceRequestId": "sir-08b934566",
 "State": "cancelled"
 } ]
 },
 "title": "To cancel Spot Instance requests"
 }
],
"ConfirmProductInstance": [ {
 "comments": {
 "input": { },
 "output": { }
 },
 "description": "This example determines whether the specified product code is associated with the specified instance."
 },
 "id": "to-confirm-the-product-instance-1472712108494",
 "input": {
 "ProductCode": "774F4FF8",
 "InstanceId": "i-1234567890abcdef0"
 },
 "output": {
 "OwnerId": "123456789012"
 },
 "title": "To confirm the product instance"
 }
],
"CopySnapshot": [ {
 "comments": {
 "input": { },
 "output": { }
 },
 "description": "This example copies a snapshot with the snapshot ID of \``snap-066877671789bd71b`` from the \``us-west-2`` region to the \``us-east-1`` region and adds a short description to identify the snapshot."
 },
 "id": "to-copy-a-snapshot-1472502259774",
 "input": {
 "SourceRegion": "us-west-2",}
"SourceSnapshotId" : "snap-066877671789bd71b",
"Description" : "This is my copied snapshot."
"DestinationRegion" : "us-east-1"
},
"output" : {
 "SnapshotId" : "snap-066877671789bd71b"
},
"title" : "To copy a snapshot"
]
"CreateCustomerGateway" : [ {
"comments" : {
 "input" : { },
 "output" : { }
 },
"description" : "This example creates a customer gateway with the specified IP address for its outside interface.",
"id" : "ec2-create-customer-gateway-1",
"input" : {
 "Type" : "ipsec.1",
 "PublicIp" : "12.1.2.3",
 "BgpAsn" : 65534
 },
"output" : {
 "CustomerGateway" : {
 "CustomerGatewayId" : "cgw-0e11f167",
 "State" : "available",
 "Type" : "ipsec.1",
 "IpAddress" : "12.1.2.3",
 "BgpAsn" : "65534"
 }
 },
"title" : "To create a customer gateway"
 }
],
"CreateDhcpOptions" : [ {
 "comments" : {
 "input" : { },
 "output" : { }
 },
 "description" : "This example creates a DHCP options set.",
 "id" : "ec2-create-dhcp-options-1",
 "input" : {
 "DhcpConfigurations" : [ {
 "Key" : "domain-name-servers",
 "Values" : [ "10.2.5.1", "10.2.5.2" ]
 } ]
 },
 "output" : {
 "DhcpOptions" : {

"DhcpOptionsId" : "dopt-d9070ebb",
"DhcpConfigurations" : [ 
  "Key" : "domain-name-servers",
  "Values" : [ "10.2.5.2", "10.2.5.1" ]
] ]
}
,"title" : "To create a DHCP options set"
],
"CreateInternetGateway" : [ 
"comments" : { 
  "input" : { },
  "output" : { }
},
"description" : "This example creates an Internet gateway.",
"id" : "ec2-create-internet-gateway-1",
"input" : null,
"output" : { 
  "InternetGateway" : { 
    "InternetGatewayId" : "igw-c0a643a9",
    "Attachments" : [ ],
    "Tags" : [ ]
  }
},
"title" : "To create an Internet gateway"
],
"CreateKeyPair" : [ 
"comments" : { 
  "input" : { },
  "output" : { }
},
"description" : "This example creates a key pair named my-key-pair.",
"id" : "ec2-create-key-pair-1",
"input" : { 
  "KeyName" : "my-key-pair"
},
"output" : null,
"title" : "To create a key pair"
],
"CreateNatGateway" : [ 
"comments" : { 
  "input" : { },
  "output" : { }
},
"description" : "This example creates a NAT gateway in subnet subnet-1a2b3c4d and associates an Elastic IP address with the allocation ID eipalloc-37fc1a52 with the NAT gateway.",
"id" : "ec2-create-nat-gateway-1",
"input" : { }
"SubnetId" : "subnet-1a2b3c4d",
"AllocationId" : "eipalloc-37fc1a52"
},
"output" : {
"NatGateway" : {
"VpcId" : "vpc-1122aabb",
"SubnetId" : "subnet-1a2b3c4d",
"NatGatewayId" : "nat-08d48af2a8e83edfd",
"CreateTime" : "2015-12-17T12:45:26.732Z",
"NatGatewayAddresses" : [ {
"AllocationId" : "eipalloc-37fc1a52"
} ],
"State" : "pending"
},
"title" : "To create a NAT gateway"
},
"CreateNetworkAcl" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example creates a network ACL for the specified VPC.",
"id" : "ec2-create-network-acl-1",
"input" : {
"VpcId" : "vpc-a01106c2"
},
"output" : {
"NetworkAcl" : {
"NetworkAclId" : "acl-5fb85d36",
"VpcId" : "vpc-a01106c2",
"IsDefault" : false,
"Entries" : [ {
"RuleNumber" : 32767,
"Protocol" : "-1",
"RuleAction" : "deny",
"Egress" : true,
"CidrBlock" : "0.0.0.0/0"
}, {
"RuleNumber" : 32767,
"Protocol" : "-1",
"RuleAction" : "deny",
"Egress" : false,
"CidrBlock" : "0.0.0.0/0"
} ],
"Associations" : [ ],
"Tags" : [ ]
}
"title" : "To create a network ACL"

"CreateNetworkAclEntry" : [ {
  "comments" : { },
  "input" : { },
  "output" : { }
},
  "description" : "This example creates an entry for the specified network ACL. The rule allows ingress traffic from anywhere (0.0.0.0/0) on UDP port 53 (DNS) into any associated subnet.",
  "id" : "ec2-create-network-acl-entry-1",
  "input" : {
    "NetworkAclId" : "acl-5fb85d36",
    "RuleNumber" : 100,
    "Protocol" : "udp",
    "RuleAction" : "allow",
    "Egress" : false,
    "CidrBlock" : "0.0.0.0/0",
    "PortRange" : {
      "From" : 53,
      "To" : 53
    }
  },
  "output" : null,
  "title" : "To create a network ACL entry"
}],

"CreateNetworkInterface" : [ {
  "comments" : { },
  "input" : { },
  "output" : { }
},
  "description" : "This example creates a network interface for the specified subnet.",
  "id" : "ec2-create-network-interface-1",
  "input" : {
    "SubnetId" : "subnet-9d4a7b6c",
    "Description" : "my network interface",
    "IpAddress" : "10.0.2.17",
    "Groups" : [ "sg-903004f8" ]
  },
  "output" : {
    "NetworkInterface" : {
      "NetworkInterfaceId" : "eni-e5aa89a3",
      "SubnetId" : "subnet-9d4a7b6c",
      "VpcId" : "vpc-a01106c2",
      "AvailabilityZone" : "us-east-1d",
      "Description" : "my network interface",
      "OwnerId" : "123456789012",
      "RequesterManaged" : false,
    }
  }
}
"Status" : "pending",
"MacAddress" : "02:1a:80:41:52:9c",
"PrivateIpAddress" : "10.0.2.17",
"SourceDestCheck" : true,
"Groups" : [ 
  "GroupName" : "default",
  "GroupId" : "sg-903004f8"
 }
,"TagSet" : [ ],
"PrivateIpAddresses" : [ 
  "PrivateIpAddress" : "10.0.2.17",
  "Primary" : true
 ]
],
"title" : "To create a network interface"
],
"CreatePlacementGroup" : [ 
  "comments" : { 
    "input" : { },
    "output" : { } 
  },
  "description" : "This example creates a placement group with the specified name.",
  "id" : "to-create-a-placement-group-1472712245768",
  "input" : { 
    "GroupName" : "my-cluster",
    "Strategy" : "cluster"
  },
  "output" : { },
  "title" : "To create a placement group"
 },
"CreateRoute" : [ 
  "comments" : { 
    "input" : { },
    "output" : { } 
  },
  "description" : "This example creates a route for the specified route table. The route matches all traffic (0.0.0.0/0) and routes it to the specified Internet gateway.",
  "id" : "ec2-create-route-1",
  "input" : { 
    "RouteTableId" : "rtb-22574640",
    "DestinationCidrBlock" : "0.0.0.0/0",
    "GatewayId" : "igw-c0a643a9"
  },
  "output" : null,
  "title" : "To create a route"
 },
"CreateRouteTable" : [ 

"comments" : { 
  "input" : { }, 
  "output" : { } 
},
"description" : "This example creates a route table for the specified VPC.",
"id" : "ec2-create-route-table-1",
"input" : { 
  "VpcId" : "vpc-a01106c2" 
},
"output" : { 
  "RouteTable" : [ 
    "RouteTableId" : "rtb-22574640",
    "VpcId" : "vpc-a01106c2",
    "Routes" : [ 
      "DestinationCidrBlock" : "10.0.0.0/16",
      "GatewayId" : "local",
      "State" : "active"
    ],
    "Associations" : [ ],
    "Tags" : [ ],
    "PropagatingVgws" : [ ]
  ]
},
"title" : "To create a route table"
},
"CreateSnapshot" : [ 
  "comments" : { 
    "input" : { }, 
    "output" : { } 
  },
  "description" : "This example creates a snapshot of the volume with a volume ID of \`vol-1234567890abcdef0\` and a short description to identify the snapshot.",
  "id" : "to-create-a-snapshot-1472502529790",
  "input" : { 
    "VolumeId" : "vol-1234567890abcdef0",
    "Description" : "This is my root volume snapshot." 
  },
  "output" : { 
    "SnapshotId" : "snap-066877671789bd71b",
    "VolumeId" : "vol-1234567890abcdef0",
    "State" : "pending",
    "StartTime" : "2014-02-28T21:06:01.000Z",
    "OwnerId" : "012345678910",
    "Description" : "This is my root volume snapshot.",
    "VolumeSize" : 8,
    "Tags" : [ ]
  },
  "title" : "To create a snapshot"
"CreateSpotDatafeedSubscription" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example creates a Spot Instance data feed for your AWS account.",
  "id" : "ec2-create-spot-datafeed-subscription-1",
  "input" : {
    "Bucket" : "my-s3-bucket",
    "Prefix" : "spotdata"
  },
  "output" : {
    "SpotDatafeedSubscription" : {
      "OwnerId" : "123456789012",
      "Bucket" : "my-s3-bucket",
      "Prefix" : "spotdata",
      "State" : "Active"
    }
  },
  "title" : "To create a Spot Instance datafeed"
} ],
"CreateSubnet" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example creates a subnet in the specified VPC with the specified CIDR block. We recommend that you let us select an Availability Zone for you.",
  "id" : "ec2-create-subnet-1",
  "input" : {
    "VpcId" : "vpc-a01106c2",
    "CidrBlock" : "10.0.1.0/24"
  },
  "output" : {
    "Subnet" : {
      "SubnetId" : "subnet-9d4a7b6e",
      "State" : "pending",
      "VpcId" : "vpc-a01106c2",
      "CidrBlock" : "10.0.1.0/24",
      "AvailableIpAddressCount" : 251,
      "AvailabilityZone" : "us-west-2c"
    }
  },
  "title" : "To create a subnet"
} ],
"CreateTags" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example creates a Spot Instance data feed for your AWS account.",
  "id" : "ec2-create-spot-datafeed-subscription-1",
  "input" : {
    "Bucket" : "my-s3-bucket",
    "Prefix" : "spotdata"
  },
  "output" : {
    "SpotDatafeedSubscription" : {
      "OwnerId" : "123456789012",
      "Bucket" : "my-s3-bucket",
      "Prefix" : "spotdata",
      "State" : "Active"
    }
  },
  "title" : "To create a Spot Instance datafeed"
} ],
"input" : { },
"output" : { }
}
,"description" : "This example adds the tag Stack=production to the specified image, or overwrites an existing tag for the AMI where the tag key is Stack.",
"id" : "ec2-create-tags-1",
"input" : {
"Resources" : [ "ami-78a54011" ],
"Tags" : [ {
"Key" : "Stack",
"Value" : "production"
] }
},
"output" : null,
"title" : "To add a tag to a resource"
},
"CreateVolume" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example creates an 80 GiB General Purpose (SSD) volume in the Availability Zone `us-east-1a`.",
"id" : "to-create-a-new-volume-1472496724296",
"input" : {
"Size" : 80,
"AvailabilityZone" : "us-east-1a",
"VolumeType" : "gp2"
},
"output" : {
"VolumeId" : "vol-6b60b7c7",
"Size" : 80,
"SnapshotId" : "",
"AvailabilityZone" : "us-east-1a",
"State" : "creating",
"CreateTime" : "2016-08-29T18:52:32.724Z",
"VolumeType" : "gp2",
"Iops" : 240,
"Encrypted" : false
},
"title" : "To create a new volume"
},
{"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example creates a new Provisioned IOPS (SSD) volume with 1000 provisioned IOPS from a snapshot in the Availability Zone `us-east-1a`.",
"id" : "to-create-a-new-volume-1472496724296",
"input" : {
"Size" : 80,
"AvailabilityZone" : "us-east-1a",
"VolumeType" : "gp2",
"Iops" : 240,
"Encrypted" : false
},
"output" : {
"VolumeId" : "vol-6b60b7c7",
"Size" : 80,
"SnapshotId" : "",
"AvailabilityZone" : "us-east-1a",
"State" : "creating",
"CreateTime" : "2016-08-29T18:52:32.724Z",
"VolumeType" : "gp2",
"Iops" : 240,
"Encrypted" : false
},
"title" : "To create a new volume"}
"id" : "to-create-a-new-provisioned-iops-ssd-volume-from-a-snapshot-1472498975176",
"input" : { 
  "SnapshotId" : "snap-066877671789bd71b",
  "AvailabilityZone" : "us-east-1a",
  "VolumeType" : "io1",
  "Iops" : 1000
},
"output" : { 
  "VolumeId" : "vol-1234567890abcdef0",
  "Size" : 500,
  "SnapshotId" : "snap-066877671789bd71b",
  "AvailabilityZone" : "us-east-1a",
  "State" : "creating",
  "CreateTime" : "2016-08-29T18:52:32.724Z",
  "Attachments" : [ ],
  "Tags" : [ ],
  "VolumeType" : "io1",
  "Iops" : 1000
},
"title" : "To create a new Provisioned IOPS (SSD) volume from a snapshot"
],
"CreateVpc" : [ 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example creates a VPC with the specified CIDR block.",
  "id" : "ec2-create-vpc-1",
  "input" : { 
    "CidrBlock" : "10.0.0.0/16"
  },
  "output" : { 
    "Vpc" : { 
      "VpcId" : "vpc-a01106c2",
      "State" : "pending",
      "CidrBlock" : "10.0.0.0/16",
      "DhcpOptionsId" : "dopt-7a8b9c2d",
      "InstanceTenancy" : "default"
    }
  },
  "title" : "To create a VPC"
],
"DeleteCustomerGateway" : [ 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example deletes the specified customer gateway.",

"id" : "ec2-delete-customer-gateway-1",
"input" : {
  "CustomerGatewayId" : "cgw-0e11f167"
},
"output" : null,
"title" : "To delete a customer gateway"
},
"DeleteDhcpOptions" : [ {
  "comments" : {
    "input" : {},
    "output" : {}
  },
  "description" : "This example deletes the specified DHCP options set.",
  "id" : "ec2-delete-dhcp-options-1",
  "input" : {
    "DhcpOptionsId" : "dopt-d9070ebb"
  },
  "output" : null,
  "title" : "To delete a DHCP options set"
  },
"DeleteInternetGateway" : [ {
  "comments" : {
    "input" : {},
    "output" : {}
  },
  "description" : "This example deletes the specified Internet gateway.",
  "id" : "ec2-delete-internet-gateway-1",
  "input" : {
    "InternetGatewayId" : "igw-c0a643a9"
  },
  "output" : null,
  "title" : "To delete an Internet gateway"
  },
"DeleteKeyPair" : [ {
  "comments" : {
    "input" : {},
    "output" : {}
  },
  "description" : "This example deletes the specified key pair.",
  "id" : "ec2-delete-key-pair-1",
  "input" : {
    "KeyName" : "my-key-pair"
  },
  "output" : null,
  "title" : "To delete a key pair"
  },
"DeleteNatGateway" : [ {
  "comments" : {
    "input" : {},
    "output" : {}
  },
  "description" : "This example deletes the specified NAT gateway.",
  "id" : "ec2-delete-nat-gateway-1",
  "input" : {
    "NatGatewayId" : "nat-0a23b5c7"
  },
  "output" : null,
  "title" : "To delete a NAT gateway"
  },
"DeleteSnapshot" : [ {
  "comments" : {
    "input" : {},
    "output" : {}
  },
  "description" : "This example deletes the specified snapshot.",
  "id" : "ec2-delete-snapshot-1",
  "input" : {
    "SnapshotId" : "snap-0d0e1f23"
  },
  "output" : null,
  "title" : "To delete a snapshot"
  },
"DeleteVolume" : [ {
  "comments" : {
    "input" : {},
    "output" : {}
  },
  "description" : "This example deletes the specified volume.",
  "id" : "ec2-delete-volume-1",
  "input" : {
    "VolumeId" : "vol-0e1f2345"
  },
  "output" : null,
  "title" : "To delete a volume"
  },
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified NAT gateway.",
"id" : "ec2-delete-nat-gateway-1",
"input" : { 
"NatGatewayId" : "nat-04ae55e711cec5680"
},
"output" : { 
"NatGatewayId" : "nat-04ae55e711cec5680"
},
"title" : "To delete a NAT gateway"
}],
"DeleteNetworkAcl" : [ { 
"comments" : { 
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified network ACL.",
"id" : "ec2-delete-network-acl-1",
"input" : { 
"NetworkAclId" : "acl-04ae55e711cec5680"
},
"output" : null,
"title" : "To delete a network ACL"
}],
"DeleteNetworkAclEntry" : [ { 
"comments" : { 
"input" : { },
"output" : { }
},
"description" : "This example deletes ingress rule number 100 from the specified network ACL.",
"id" : "ec2-delete-network-acl-entry-1",
"input" : { 
"NetworkAclId" : "acl-04ae55e711cec5680",
"RuleNumber" : 100,
"Egress" : true
},
"output" : null,
"title" : "To delete a network ACL entry"
}],
"DeleteNetworkInterface" : [ { 
"comments" : { 
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified network interface.",
"id" : "ec2-delete-network-interface-1"}
"input": { 
  "NetworkInterfaceId": "eni-e5aa89a3"
},
"output": null,
"title": "To delete a network interface"
} },
"DeletePlacementGroup": [ { 
  "comments": { 
    "input": { },
    "output": { }
  },
  "description": "This example deletes the specified placement group.
", 
  "id": "to-delete-a-placement-group-1472712349959",
  "input": { 
    "GroupName": "my-cluster"
  },
  "output": { },
  "title": "To delete a placement group"
 } ],
"DeleteRoute": [ { 
  "comments": { 
    "input": { },
    "output": { }
  },
  "description": "This example deletes the specified route from the specified route table.
", 
  "id": "ec2-delete-route-1",
  "input": { 
    "RouteTableId": "rtb-22574640",
    "DestinationCidrBlock": "0.0.0.0/0"
  },
  "output": null,
  "title": "To delete a route"
 } ],
"DeleteRouteTable": [ { 
  "comments": { 
    "input": { },
    "output": { }
  },
  "description": "This example deletes the specified route table.
", 
  "id": "ec2-delete-route-table-1",
  "input": { 
    "RouteTableId": "rtb-22574640"
  },
  "output": null,
  "title": "To delete a route table"
 } ],
"DeleteSnapshot": [ { 
  "comments": { 
    "input": { },
    "output": { }
  },
  "description": "This example deletes the specified snapshot.
", 
  "id": "ec2-delete-snapshot-1",
  "input": { 
    "SnapshotId": "snap-1a2b3c4d"
  },
  "output": null,
  "title": "To delete a snapshot"
 } ]}
"input": { },
"output": { }
},
"description": "This example deletes a snapshot with the snapshot ID of `snap-1234567890abcdef0` . If the command succeeds, no output is returned.",
"id": "to-delete-a-snapshot-1472503042567",
"input": {
  "SnapshotId": "snap-1234567890abcdef0"
},
"output": { },
"title": "To delete a snapshot"
}
],
"DeleteSpotDatafeedSubscription": [
  {
    "comments": {
      "input": { },
      "output": { }
    },
    "description": "This example deletes a Spot data feed subscription for the account.",
    "id": "ec2-delete-spot-datafeed-subscription-1",
    "input": null,
    "output": null,
    "title": "To cancel a Spot Instance data feed subscription"
  }
],
"DeleteSubnet": [
  {
    "comments": {
      "input": { },
      "output": { }
    },
    "description": "This example deletes the specified subnet.",
    "id": "ec2-delete-subnet-1",
    "input": {
      "SubnetId": "subnet-9d4a7b6c"
    },
    "output": null,
    "title": "To delete a subnet"
  }
],
"DeleteTags": [
  {
    "comments": {
      "input": { },
      "output": { }
    },
    "description": "This example deletes the tag Stack=test from the specified image.",
    "id": "ec2-delete-tags-1",
    "input": {
      "Resources": [ "ami-78a54011" ],
      "Tags": [ {
        "Key": "Stack",
        "Value": "test"} ]
    }
  }
]
"output" : null,
"title" : "To delete a tag from a resource"
}],
"DeleteVolume" : [
{
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example deletes an available volume with the volume ID of `vol-049df61146c4d7901`. If the command succeeds, no output is returned.",
"id" : "to-delete-a-volume-1472503111160",
"input" : {
"VolumeId" : "vol-049df61146c4d7901"
},
"output" : { },
"title" : "To delete a volume"
}],
"DeleteVpc" : [
{
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified VPC.",
"id" : "ec2-delete-vpc-1",
"input" : {
"VpcId" : "vpc-a01106c2"
},
"output" : null,
"title" : "To delete a VPC"
}],
"DescribeAccountAttributes" : [
{
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the supported-platforms attribute for your AWS account.",
"id" : "ec2-describe-account-attributes-1",
"input" : {
"AttributeNames" : [ "supported-platforms" ]
},
"output" : {
"AccountAttributes" : [
{ "AttributeName" : "supported-platforms",
"AttributeValue" : "EC2"
}]
}]}
To describe a single attribute for your AWS account,

```
"AccountAttributes": [  
  "AttributeName": "supported-platforms",
  "AttributeValues": [ {  
    "AttributeValue": "EC2"
  } ],
  "AttributeName": "vpc-max-security-groups-per-interface",
  "AttributeValues": [ {  
    "AttributeValue": "5"
  } ],
  "AttributeName": "max-elastic-ips",
  "AttributeValues": [ {  
    "AttributeValue": "5"
  } ],
  "AttributeName": "max-instances",
  "AttributeValues": [ {  
    "AttributeValue": "20"
  } ],
  "AttributeName": "vpc-max-elastic-ips",
  "AttributeValues": [ {  
    "AttributeValue": "5"
  } ],
  "AttributeName": "default-vpc",
  "AttributeValues": [ {  
    "AttributeValue": "none"
  } ]
],
```

---

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"title": "To describe all attributes for your AWS account"
},
"DescribeAddresses": [ {
  "comments": {
    "input": {},
    "output": {} 
  },
  "description": "This example describes your Elastic IP addresses.",
  "id": "ec2-describe-addresses-1",
  "input": null,
  "output": {
    "Addresses": [ {
      "InstanceId": "i-1234567890abcdef0",
      "PublicIp": "198.51.100.0",
      "Domain": "standard"
    }, {
      "InstanceId": "i-1234567890abcdef0",
      "PublicIp": "203.0.113.0",
      "AllocationId": "eipalloc-12345678",
      "AssociationId": "eipassoc-12345678",
      "Domain": "vpc",
      "NetworkInterfaceId": "eni-12345678",
      "NetworkInterfaceOwnerId": "123456789012",
      "PrivateIpAddress": "10.0.1.241"
    } ]
  },
  "title": "To describe your Elastic IP addresses"
},
  "comments": {
    "input": {},
    "output": {} 
  },
  "description": "This example describes your Elastic IP addresses for use with instances in a VPC.",
  "id": "ec2-describe-addresses-2",
  "input": {
    "Filters": [ {
      "Name": "domain",
      "Values": [ "vpc" ]
    } ]
  },
  "output": {
    "Addresses": [ {
      "InstanceId": "i-1234567890abcdef0",
      "PublicIp": "203.0.113.0",
      "AllocationId": "eipalloc-12345678",
      "AssociationId": "eipassoc-12345678",
      "Domain": "vpc",
      "NetworkInterfaceId": "eni-12345678"}]
  } ]}
"NetworkInterfaceOwnerId" : "123456789012",
"PrivateIpAddress" : "10.0.1.241"
},
"title" : "To describe your Elastic IP addresses for EC2-VPC"
},
"comments" : {
"input" : { },
"output" : { }
}
,
"description" : "This example describes your Elastic IP addresses for use with instances in EC2-Classic.",
"id" : "ec2-describe-addresses-3",
"input" : {
"Filters" : [{
"Name" : "domain",
"Values" : [ "standard" ]
}]
},
"output" : {
"Addresses" : [{
"InstanceId" : "i-1234567890abcdef0",
"PublicIp" : "198.51.100.0",
"Domain" : "standard"
}]
},
"title" : "To describe your Elastic IP addresses for EC2-Classic"
],
"DescribeAvailabilityZones" : [{
"comments" : {
"input" : { },
"output" : { }
}
,
"description" : "This example describes the Availability Zones that are available to you. The response includes Availability Zones only for the current region.",
"id" : "ec2-describe-availability-zones-1",
"input" : null,
"output" : {
"AvailabilityZones" : [{
"ZoneName" : "us-east-1b",
"State" : "available",
"RegionName" : "us-east-1",
"Messages" : [ ]
}, {
"ZoneName" : "us-east-1c",
"State" : "available",
"RegionName" : "us-east-1",
"Messages" : [ ]
}]
"ZoneName": "us-east-1d",
"State": "available",
"RegionName": "us-east-1",
"Messages": [ ]
}, {
"ZoneName": "us-east-1e",
"State": "available",
"RegionName": "us-east-1",
"Messages": [ ]
}]
},
"title": "To describe your Availability Zones"
],
"DescribeCustomerGateways": [ {
"comments": {
"input": { },
"output": { }
},
"description": "This example describes the specified customer gateway.",
"id": "ec2-describe-customer-gateways-1",
"input": {
"CustomerGatewayIds": [ "cgw-0e11f167" ]
},
"output": {
"CustomerGateways": [ {
"CustomerGatewayId": "cgw-0e11f167",
"State": "available",
"Type": "ipsec.1",
"IpAddress": "12.1.2.3",
"BgpAsn": "65534"
} ]
},
"title": "To describe a customer gateway"
}],
"DescribeDhcpOptions": [ {
"comments": {
"input": { },
"output": { }
},
"description": "This example describes the specified DHCP options set.",
"id": "ec2-describe-dhcp-options-1",
"input": {
"DhcpOptionsIds": [ "dopt-d9070ebb" ]
},
"output": {
"DhcpOptions": [ {
"DhcpOptionsId": "dopt-d9070ebb",
"DhcpConfigurations": [ ]
} ]
}
"Key" : "domain-name-servers",
"Values" : [ "10.2.5.2", "10.2.5.1" ]
}
}
,
"title" : "To describe a DHCP options set"
}
]
"DescribeInstanceAttribute" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the instance type of the specified instance.\n",
"id" : "to-describe-the-instance-type-1472712432132",
"input" : {
"InstanceId" : "i-1234567890abcdef0",
"Attribute" : "instanceType"
},
"output" : {
"InstanceId" : "i-1234567890abcdef0",
"InstanceType" : "t1.micro"
},
"title" : "To describe the instance type"
}, {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the `disableApiTermination` attribute of the specified instance.\n",
"id" : "to-describe-the-disableapitermination-attribute-1472712533466",
"input" : {
"InstanceId" : "i-1234567890abcdef0",
"Attribute" : "disableApiTermination"
},
"output" : {
"InstanceId" : "i-1234567890abcdef0",
"DisableApiTermination" : "false"
},
"title" : "To describe the disableApiTermination attribute"
}, {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the `blockDeviceMapping` attribute of the specified instance.\n",
"id" : "to-describe-the-block-device-mapping-for-an-instance-1472712645423",
"input" : {
"InstanceId" : "i-1234567890abcdef0",
"BlockDeviceMapping" : {
"DeviceName" : "/dev/sda",
"Ebs" : {
"SnapshotId" : "snap-1234567890abcdef0",
"DeleteOnTermination" : true,
"VolumeSize" : 8
}
},
"title" : "To describe the block device mapping for an instance"
"Attribute" : "blockDeviceMapping"
},
"output" : {
  "InstanceId" : "i-1234567890abcdef0",
  "BlockDeviceMappings" : [ {
    "DeviceName" : "/dev/sda1",
    "Ebs" : { 
      "VolumeId" : "vol-049df61146c4d7901",
      "Status" : "attached",
      "AttachTime" : "2013-05-17T22:42:34.000Z",
      "DeleteOnTermination" : true
    },
    "Ebs" : { 
      "VolumeId" : "vol-049df61146c4d7901",
      "Status" : "attached",
      "AttachTime" : "2013-09-10T23:07:00.000Z",
      "DeleteOnTermination" : false
    }
  } ],
  "title" : "To describe the block device mapping for an instance"
},
"DescribeInternetGateways" : [ {
  "comments" : { 
    "input" : { },
    "output" : { } 
  },
  "description" : "This example describes the Internet gateway for the specified VPC.",
  "id" : "ec2-describe-internet-gateways-1",
  "input" : { 
    "Filters" : [ 
      "Name" : "attachment.vpc-id",
      "Values" : [ "vpc-a01106c2" ]
    ] 
  },
  "output" : { 
    "InternetGateways" : [ 
      "InternetGatewayId" : "igw-c0a643a9",
      "Attachments" : [ 
        "VpcId" : "vpc-a01106c2",
        "State" : "available"
      ],
      "Tags" : [ ]
    ] 
  },
  "title" : "To describe the Internet gateway for a VPC"
"DescribeKeyPairs" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example displays the fingerprint for the specified key.",
  "id" : "ec2-describe-key-pairs-1",
  "input" : { 
    "KeyNames" : [ "my-key-pair" ]
  },
  "output" : {
    "KeyPairs" : [ {
      "KeyName" : "my-key-pair",
    } ]
  },
  "title" : "To display a key pair"
}],
"DescribeMovingAddresses" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example describes all of your moving Elastic IP addresses.",
  "id" : "ec2-describe-moving-addresses-1",
  "input" : null,
  "output" : {
    "MovingAddressStatuses" : [ {
      "PublicIp" : "198.51.100.0",
      "MoveStatus" : "MovingToVpc"
    } ]
  },
  "title" : "To describe your moving addresses"
}],
"DescribeNatGateways" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example describes the NAT gateway for the specified VPC.",
  "id" : "ec2-describe-nat-gateways-1",
  "input" : { 
    "Filter" : [ 
      "Name" : "vpc-id",
      "Values" : [ "vpc-1a2b3c4d" ]
    ]
  },
  "title" : "To describe a NAT gateway"
"output": {
  "NatGateways": [ {
    "VpcId": "vpc-1a2b3c4d",
    "SubNetId": "subnet-847e4dc2",
    "NatGatewayId": "nat-05dba92075d71c408",
    "CreateTime": "2015-12-01T12:26:55.983Z",
    "NatGatewayAddresses": [ {
      "PublicIp": "198.11.222.333",
      "AllocationId": "eipalloc-89c620ec",
      "PrivateIp": "10.0.0.149",
      "NetworkInterfaceId": "eni-9dec76cd"
    } ],
    "State": "available"
  } ],
  "title": "To describe a NAT gateway"
},
"DescribeNetworkAcls": [ {
  "comments": {
    "input": {},
    "output": {} 
  },
  "description": "This example describes the specified network ACL.",
  "id": "ec2-",
  "input": {
    "NetworkAclIds": [ "acl-5fb85d36" ]
  },
  "output": {
    "NetworkAcls": [ {
      "NetworkAclId": "acl-5fb85d36",
      "VpcId": "vpc-a01106c2",
      "IsDefault": false,
      "Entries": [ {
        "RuleNumber": 32767,
        "Protocol": "-1",
        "RuleAction": "deny",
        "Egress": true,
        "CidrBlock": "0.0.0.0/0"
      }, {
        "RuleNumber": 32767,
        "Protocol": "-1",
        "RuleAction": "deny",
        "Egress": false,
        "CidrBlock": "0.0.0.0/0"
      } ],
      "Associations": [ {
        "NetworkAclAssociationId": "aclassoc-66ea5f0b",
        "NetworkAclId": "acl-9aeb5ef7"
      } ]
    } ]
  }
}
"SubnetId" : "subnet-65ea5f08",
"Tags" : [ ]
},
"title" : "To describe a network ACL"
},
"DescribeNetworkInterfaceAttribute" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the attachment attribute of the specified network interface.",
"id" : "ec2-describe-network-interface-attribute-1",
"input" : {
"NetworkInterfaceId" : "eni-686ea200",
"Attribute" : "attachment"
},
"output" : {
"NetworkInterfaceId" : "eni-686ea200",
"Attachment" : {
"AttachmentId" : "eni-attach-43348162",
"InstanceId" : "i-1234567890abcdef0",
"InstanceOwnerId" : "123456789012",
"DeviceIndex" : 0,
"Status" : "attached",
"AttachTime" : "2015-05-21T20:02:20.000Z",
"DeleteOnTermination" : true
}
},
"title" : "To describe the attachment attribute of a network interface"
}, {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the description attribute of the specified network interface.",
"id" : "ec2-describe-network-interface-attribute-2",
"input" : {
"NetworkInterfaceId" : "eni-686ea200",
"Attribute" : "description"
},
"output" : {
"NetworkInterfaceId" : "eni-686ea200",
"Description" : "My description"
},
"title" : "To describe the description attribute of a network interface"
"comments" : { 
"input" : { }, 
"output" : { } 
}, 
"description" : "This example describes the groupSet attribute of the specified network interface.", 
"id" : "ec2-describe-network-interface-attribute-3", 
"input" : { 
 "NetworkInterfaceId" : "eni-686ea200", 
 "Attribute" : "groupSet" 
 }, 
"output" : { 
 "NetworkInterfaceId" : "eni-686ea200", 
 "Groups" : [ 
 { 
 "GroupName" : "my-security-group", 
 "GroupId" : "sg-903004f8" 
 } 
 ], 
 "title" : "To describe the groupSet attribute of a network interface" 
}, 
"comments" : { 
"input" : { }, 
"output" : { } 
}, 
"description" : "This example describes the sourceDestCheck attribute of the specified network interface.", 
"id" : "ec2-describe-network-interface-attribute-4", 
"input" : { 
 "NetworkInterfaceId" : "eni-686ea200", 
 "Attribute" : "sourceDestCheck" 
 }, 
"output" : { 
 "NetworkInterfaceId" : "eni-686ea200", 
 "SourceDestCheck" : true 
 }, 
 "title" : "To describe the sourceDestCheck attribute of a network interface" 
]}, 
"DescribeNetworkInterfaces" : [ { 
 "comments" : { 
 "input" : { }, 
 "output" : { } 
 }, 
 "description" : "", 
 "id" : "ec2-describe-network-interfaces-1", 
 "input" : { 
 "NetworkInterfaceIds" : [ "eni-e5aa89a3" ] 
 }, 
 "output" : { 
 "NetworkInterfaces" : [ 
 { 
 "NetworkInterfaceId" : "eni-e5aa89a3", 

"SubnetId" : "subnet-b61f49f0",
"VpcId" : "vpc-a01106c2",
"AvailabilityZone" : "us-east-1d",
"Description" : "my network interface",
"OwnerId" : "123456789012",
"RequesterManaged" : false,
"Status" : "in-use",
"MacAddress" : "02:2f:8f:b0:cf:75",
"PrivateIpAddress" : "10.0.1.17",
"PrivateDnsName" : "ip-10-0-1-17.ec2.internal",
"SourceDestCheck" : true,
"Groups" : [ {
  "GroupName" : "default",
  "GroupId" : "sg-8637d3e3"
} ],
"Attachment" : {
  "AttachmentId" : "eni-attach-66c4350a",
  "InstanceId" : "i-1234567890abcdef0",
  "InstanceOwnerId" : "123456789012",
  "DeviceIndex" : 1,
  "Status" : "attached",
  "AttachTime" : "2013-11-30T23:36:42.000Z",
  "DeleteOnTermination" : false
},
"Association" : {
  "PublicIp" : "203.0.113.12",
  "PublicDnsName" : "ec2-203-0-113-12.compute-1.amazonaws.com",
  "IpOwnerId" : "123456789012",
  "AssociationId" : "eipassoc-0fbb766a"
},
"TagSet" : [ ],
"PrivateIpAddresses" : [ {
  "PrivateIpAddress" : "10.0.1.17",
  "PrivateDnsName" : "ip-10-0-1-17.ec2.internal",
  "Primary" : true,
  "Association" : {
    "PublicIp" : "203.0.113.12",
    "PublicDnsName" : "ec2-203-0-113-12.compute-1.amazonaws.com",
    "IpOwnerId" : "123456789012",
    "AssociationId" : "eipassoc-0fbb766a"
  }
}],
"title" : "To describe a network interface"}
"input" : { },
"output" : { }
},
"description" : "This example describes all the regions that are available to you."
"id" : "ec2-describe-regions-1",
"input" : null,
"output" : {
"Regions" : [ {
"RegionName" : "ap-south-1",
"Endpoint" : "ec2.ap-south-1.amazonaws.com" 
}, {
"RegionName" : "eu-west-1",
"Endpoint" : "ec2.eu-west-1.amazonaws.com"
}, {
"RegionName" : "ap-southeast-1",
"Endpoint" : "ec2.ap-southeast-1.amazonaws.com"
}, {
"RegionName" : "ap-southeast-2",
"Endpoint" : "ec2.ap-southeast-2.amazonaws.com"
}, {
"RegionName" : "eu-central-1",
"Endpoint" : "ec2.eu-central-1.amazonaws.com"
}, {
"RegionName" : "ap-northeast-2",
"Endpoint" : "ec2.ap-northeast-2.amazonaws.com"
}, {
"RegionName" : "ap-northeast-1",
"Endpoint" : "ec2.ap-northeast-1.amazonaws.com"
}, {
"RegionName" : "us-east-1",
"Endpoint" : "ec2.us-east-1.amazonaws.com"
}, {
"RegionName" : "sa-east-1",
"Endpoint" : "ec2.sa-east-1.amazonaws.com"
}, {
"RegionName" : "us-west-1",
"Endpoint" : "ec2.us-west-1.amazonaws.com"
}, {
"RegionName" : "us-west-2",
"Endpoint" : "ec2.us-west-2.amazonaws.com"
} ]
},
"title" : "To describe your regions"
],
"DescribeRouteTables" : [ [ 
"comments" : { 
"input" : { },
"output" : { } }
"description" : "This example describes the specified route table.",
"id" : "ec2-describe-route-tables-1",
"input" : {
   "RouteTableIds" : [ "rtb-1f382e7d" ]
},
"output" : {
   "RouteTables" : [ {
      "RouteTableId" : "rtb-1f382e7d",
      "VpcId" : "vpc-a01106c2",
      "Routes" : [ {
         "DestinationCidrBlock" : "10.0.0.0/16",
         "GatewayId" : "local",
         "State" : "active"
      } ],
      "Associations" : [ {
         "RouteTableAssociationId" : "rtbassoc-d8ccddba",
         "RouteTableId" : "rtb-1f382e7d",
         "Main" : true
      } ],
      "Tags" : [ ],
      "PropagatingVgws" : [ ]
   } ],
   "title" : "To describe a route table"
},
"DescribeScheduledInstanceAvailability" : [ {
   "comments" : {
      "input" : { },
      "output" : { }
   },
   "description" : "This example describes a schedule that occurs every week on Sunday, starting on the specified
date. Note that the output contains a single schedule as an example.",
   "id" : "ec2-describe-scheduled-instance-availability-1",
   "input" : {
      "Recurrence" : {
         "Frequency" : "Weekly",
         "Interval" : 1,
         "OccurrenceDays" : [ 1 ]
      },
      "FirstSlotStartTimeRange" : {
         "EarliestTime" : "2016-01-31T00:00:00Z",
         "LatestTime" : "2016-01-31T04:00:00Z"
      }
   },
   "output" : {
      "ScheduledInstanceAvailabilitySet" : [ {
         "InstanceType" : "c4.large",
      } ]
   }
} ]
"Platform" : "Linux/UNIX",
"NetworkPlatform" : "EC2-VPC",
"AvailabilityZone" : "us-west-2b",
"PurchaseToken" : "eyJ2IjoiMSIsInMiOjEsImMiOi...",
"SlotDurationInHours" : 23,
"Recurrence" : {
  "Frequency" : "Weekly",
  "Interval" : 1,
  "OccurrenceDaySet" : [ 1 ],
  "OccurrenceRelativeToEnd" : false
}. 
"FirstSlotStartTime" : "2016-01-31T00:00:00Z",
"HourlyPrice" : "0.095",
"TotalScheduledInstanceHours" : 1219,
"AvailableInstanceCount" : 20,
"MinTermDurationInDays" : 366,
"MaxTermDurationInDays" : 366
],
"title" : "To describe an available schedule"
],
"DescribeScheduledInstances" : [ {
"comments" : {
  "input" : { },
  "output" : { }
}
},
"description" : "This example describes the specified Scheduled Instance.",
"id" : "ec2-describe-scheduled-instances-1",
"input" : {
  "ScheduledInstanceIds" : [ "sci-1234-1234-1234-1234-123456789012" ]
},
"output" : {
  "ScheduledInstanceSet" : [ {
    "ScheduledInstanceId" : "sci-1234-1234-1234-1234-123456789012",
    "InstanceType" : "c4.large",
    "Platform" : "Linux/UNIX",
    "NetworkPlatform" : "EC2-VPC",
    "AvailabilityZone" : "us-west-2b",
    "SlotDurationInHours" : 32,
    "Recurrence" : {
      "Frequency" : "Weekly",
      "Interval" : 1,
      "OccurrenceDaySet" : [ 1 ],
      "OccurrenceRelativeToEnd" : false,
      "OccurrenceUnit" : ""
    },
    "NextSlotStartTime" : "2016-01-31T09:00:00Z",
    "HourlyPrice" : "0.095",
  }
}]}
"TotalScheduledInstanceHours" : 1696,
"InstanceCount" : 1,
"TermStartDate" : "2016-01-31T09:00:00Z",
"TermEndDate" : "2017-01-31T09:00:00Z",
"CreateDate" : "2016-01-25T21:43:38.612Z"
] ]
},
"title" : "To describe your Scheduled Instances"
] ],
"DescribeSnapshotAttribute" : [ {
"comments" : {
"input" : {},
"output" : {}
},
"description" : "This example describes the "createVolumePermission" attribute on a snapshot with the snapshot ID of "snap-066877671789bd71b".",
"id" : "to-describe-snapshot-attributes-1472503199736",
"input" : {
"SnapshotId" : "snap-066877671789bd71b",
"Attribute" : "createVolumePermission"
},
"output" : {
"SnapshotId" : "snap-066877671789bd71b",
"CreateVolumePermissions" : []
},
"title" : "To describe snapshot attributes"
] ],
"DescribeSnapshots" : [ {
"comments" : {
"input" : {},
"output" : {}
},
"description" : "This example describes a snapshot with the snapshot ID of "snap-1234567890abcdef0".",
"id" : "to-describe-a-snapshot-1472503807850",
"input" : {
"SnapshotIds" : [ "snap-1234567890abcdef0" ]
},
"output" : {
"Snapshots" : [ {
"SnapshotId" : "snap-1234567890abcdef0",
"VolumeId" : "vol-049df61146c4d7901",
"State" : "completed",
"Progress" : "100%",
"OwnerId" : "012345678910",
"Description" : "This is my snapshot."
"VolumeSize" : 8
} ]
}
"NextToken": ""
},
"title": "To describe a snapshot"
},
"comments": {
"input": {
"output": {
},
"description": "This example describes all snapshots owned by the ID 012345678910 that are in the "pending" status."
},
"id": "to-describe-snapshots-using-filters-1472503929793",
"input": {
"OwnerIds": ["012345678910"],
"Filters": [{}
"Name": "status",
"Values": ["pending"]
}]
},
"output": {
"Snapshots": [{
"SnapshotId": "snap-066877671789bd71b",
"VolumeId": "vol-1234567890abcdef0",
"State": "pending",
"StartTime": "2014-02-28T21:37:27.000Z",
"Progress": "87%",
"OwnerId": "012345678910",
"Description": "This is my copied snapshot.",
"VolumeSize": 8
}],
"NextToken": ""
},
"title": "To describe snapshots using filters"
}],
"DescribeSpotDatafeedSubscription": [
"comments": {
"input": {
"output": {
},
"description": "This example describes the Spot Instance datafeed subscription for your AWS account."
},
"id": "ec2-describe-spot-datafeed-subscription-1",
"input": null,
"output": {
"SpotDatafeedSubscription": {
"OwnerId": "123456789012",
"Bucket": "my-s3-bucket",
"Prefix": "spotdata",
"State": "Active"
}]
}
"title": "To describe the datafeed for your AWS account"
},
"DescribeSpotFleetInstances": [ {
"comments": {
"input": {},
"output": {}
},
"description": "This example lists the Spot Instances associated with the specified Spot fleet.",
"id": "ec2-describe-spot-fleet-instances-1",
"input": {
"SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"output": {
"SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
"ActiveInstances": [ {
"InstanceType": "m3.medium",
"InstanceId": "i-1234567890abcdef0",
"SpotInstanceRequestId": "sir-08b93456"
} ]
},
"title": "To describe the Spot Instances associated with a Spot fleet"
}],
"DescribeSpotFleetRequestHistory": [ {
"comments": {
"input": {},
"output": {}
},
"description": "This example returns the history for the specified Spot fleet starting at the specified time.",
"id": "ec2-describe-spot-fleet-request-history-1",
"input": {
"SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
"StartTime": "2015-05-26T00:00:00Z"
},
"output": {
"SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
"StartTime": "2015-05-26T00:00:00Z",
"HistoryRecords": [ {
"EventType": "fleetRequestChange",
"EventInformation": {
"EventSubType": "submitted"
} ],
"EventType": "fleetRequestChange",
"EventInformation": {
"EventSubType": "active"
"SecondaryPrivateIpAddressCount" : 0,
"AssociatePublicIpAddress" : true
],
"EbsOptimized" : false
],
{
"ImageId" : "ami-1a2b3c4d",
"InstanceType" : "r3.8xlarge",
"NetworkInterfaces" : [ {
"DeviceIndex" : 0,
"SubnetId" : "subnet-a61dafcf",
"DeleteOnTermination" : false,
"SecondaryPrivateIpAddressCount" : 0,
"AssociatePublicIpAddress" : true
} ],
"EbsOptimized" : false
]
}
,"title" : "To describe a Spot fleet request"
}
"DescribeSpotInstanceRequests" : [ {
"comments" : { 
"input" : { },
"output" : { } 
},
"description" : "This example describes the specified Spot Instance request.",
"id" : "ec2-describe-spot-instance-requests-1",
"input" : {
"SpotInstanceRequestIds" : [ "sir-08b93456" ] 
},
"output" : { 
"SpotInstanceRequests" : [ 
"SpotInstanceRequestId" : "sir-08b93456",
"SpotPrice" : "0.010000",
"Type" : "one-time",
"State" : "active",
"Status" : { 
"Code" : "fulfilled",
"Message" : "Your Spot request is fulfilled." 
} 
"LaunchSpecification" : { 
"ImageId" : "ami-7aba833f",
"KeyName" : "my-key-pair",
"InstanceType" : "m1.small",
"BlockDeviceMappings" : [ 
"DeviceName" : "/dev/sda1", ...
"Ebs" : {
  "VolumeSize" : 8,
  "DeleteOnTermination" : true,
  "VolumeType" : "standard"
}
},
"EbsOptimized" : false
},
"InstanceId" : "i-1234567890abcdef0",
"CreateTime" : "2014-04-30T18:14:55.000Z",
"ProductDescription" : "Linux/UNIX",
"LaunchedAvailabilityZone" : "us-west-1b"
}]},
"title" : "To describe a Spot Instance request"
}],
"DescribeSpotPriceHistory" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example returns the Spot Price history for m1.xlarge, Linux/UNIX (Amazon VPC) instances for a particular day in January.",
  "id" : "ec2-describe-spot-price-history-1",
  "input" : {
    "EndTime" : "2014-01-06T08:09:10",
    "InstanceTypes" : [ "m1.xlarge" ],
    "ProductDescriptions" : [ "Linux/UNIX (Amazon VPC)" ]
  },
  "output" : {
    "SpotPriceHistory" : [ {
      "InstanceType" : "m1.xlarge",
      "ProductDescription" : "Linux/UNIX (Amazon VPC)",
      "SpotPrice" : "0.080000",
      "Timestamp" : "2014-01-06T04:32:53.000Z",
      "AvailabilityZone" : "us-west-1a"
    },
    { "InstanceType" : "m1.xlarge",
      "ProductDescription" : "Linux/UNIX (Amazon VPC)",
      "SpotPrice" : "0.080000",
      "AvailabilityZone" : "us-west-1c"
    }]
  },
  "title" : "To describe Spot price history for Linux/UNIX (Amazon VPC)"
}],
"DescribeSubnets" : [ {
"comments" : { 
  "input" : { }, 
  "output" : { } 
},
"description" : "This example describes the subnets for the specified VPC.",
"id" : "ec2-describe-subnets-1",
"input" : { 
  "Filters" : [ 
    "Name" : "vpc-id",
    "Values" : [ "vpc-a01106c2" ]
  ]
},
"output" : { 
  "Subnets" : [ 
    "SubnetId" : "subnet-9d4a7b6c",
    "State" : "available",
    "VpcId" : "vpc-a01106c2",
    "CidrBlock" : "10.0.1.0/24",
    "AvailableIpAddressCount" : 251,
    "AvailabilityZone" : "us-east-1c",
    "DefaultForAz" : false,
    "MapPublicIpOnLaunch" : false
  ]
},
"title" : "To describe the subnets for a VPC"
},
"DescribeTags" : [ 
  "comments" : { 
    "input" : { },
    "output" : { } 
  },
  "description" : "This example describes the tags for the specified instance.",
  "id" : "ec2-describe-tags-1",
  "input" : { 
    "Filters" : [ 
      "Name" : "resource-id",
      "Values" : [ "i-1234567890abcdef8" ]
    ]
  },
  "output" : { 
    "Tags" : [ 
      "ResourceId" : "i-1234567890abcdef8",
      "ResourceType" : "instance",
      "Key" : "Stack",
      "Value" : "test"
    ],
    { 
      "ResourceId" : "i-1234567890abcdef8",
      "ResourceType" : "instance",
      "Key" : "Stack",
      "Value" : "test"
    }
  }
]
"Key": "Name",
"Value": "Beta Server"
]},
"title": "To describe the tags for a single resource"
],
"DescribeVolumeAttribute": [
"comments": {
"input": {},
"output": {}
},
"description": "This example describes the `autoEnableIo` attribute of the volume with the ID `vol-049df61146c4d7901`.",
"id": "to-describe-a-volume-attribute-1472505773492",
"input": {
"VolumeId": "vol-049df61146c4d7901",
"Attribute": "autoEnableIO"
},
"output": {
"VolumeId": "vol-049df61146c4d7901",
"AutoEnableIO": false
},
"title": "To describe a volume attribute"
],
"DescribeVolumeStatus": [
"comments": {
"input": {},
"output": {}
},
"description": "This example describes the status for the volume `vol-1234567890abcdef0`.",
"id": "to-describe-the-status-of-a-single-volume-1472507016193",
"input": {
"VolumeIds": ["vol-1234567890abcdef0"]
},
"output": {
"VolumeStatuses": [
"VolumeId": "vol-1234567890abcdef0",
"AvailabilityZone": "us-east-1a",
"VolumeStatus": {
"Status": "ok",
"Details": [
"Name": "io-enabled",
"Status": "passed"
],
"Name": "io-performance",
"Status": "not-applicable"
]
}
]}
"Events" : [ ],
"Actions" : [ ]
}],
"title" : "To describe the status of a single volume"
}, {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the status for all volumes that are impaired. In this example output, there are no impaired volumes.",
"id" : "to-describe-the-status-of-impaired-volumes-1472507239821",
"input" : {
"Filters" : [ {
"Name" : "volume-status.status",
"Values" : [ "impaired" ]
} ]
},
"output" : {
"VolumeStatuses" : [ ]
},
"title" : "To describe the status of impaired volumes"
}],
"DescribeVolumes" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes all of your volumes in the default region.",
"id" : "to-describe-all-volumes-1472506358883",
"input" : { },
"output" : {
"Volumes" : [ {
"VolumeId" : "vol-049df61146c4d7901",
"Size" : 8,
"SnapshotId" : "snap-1234567890abcdef0",
"AvailabilityZone" : "us-east-1a",
"State" : "in-use",
"CreateTime" : "2013-12-18T22:35:00.084Z",
"Attachments" : [ {
"VolumeId" : "vol-049df61146c4d7901",
"InstanceId" : "i-1234567890abcdef0",
"Device" : "/dev/sda1",
"State" : "attached",
"AttachTime" : "2013-12-18T22:35:00.000Z",
"DeleteOnTermination" : true
} ]
}]
}
"VolumeType": "standard"
],
"NextToken": ""
},
"title": "To describe all volumes"
}, {
"comments": {
"input": {},
"output": {}
}
},
"description": "This example describes all volumes that are both attached to the instance with the ID i-1234567890abcdef0 and set to delete when the instance terminates.",
"id": "to-describe-volumes-that-are-attached-to-a-specific-instance-1472506613578",
"input": {
"Filters": [
"Name": "attachment.instance-id",
"Values": [ "i-1234567890abcdef0"
]
],
"Name": "attachment.delete-on-termination",
"Values": [ "true"
]
]
},
"output": {
"Volumes": [
"VolumeId": "vol-049df61146c4d7901",
"Size": 8,
"SnapshotId": "snap-1234567890abcdef0",
"AvailabilityZone": "us-east-1a",
"State": "in-use",
"CreateTime": "2013-12-18T22:35:00.084Z",
"Attachments": [
"VolumeId": "vol-049df61146c4d7901",
"InstanceId": "i-1234567890abcdef0",
"Device": "/dev/sda1",
"State": "attached",
"AttachTime": "2013-12-18T22:35:00.000Z",
"DeleteOnTermination": true
]
],
"VolumeType": "standard"
]
},
"title": "To describe volumes that are attached to a specific instance"
]
},
"DescribeVpcAttribute": [
"comments": {
"input": {},
"output": {}
}
]
"description" : "This example describes the enableDnsSupport attribute. This attribute indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.",
"id" : "ec2-describe-vpc-attribute-1",
"input" : {

"VpcId" : "vpc-a01106c2",
"Attribute" : "enableDnsSupport"
},
"output" : {

"VpcId" : "vpc-a01106c2",
"EnableDnsSupport" : true
},
"title" : "To describe the enableDnsSupport attribute"
},

"comments" : {

"input" : { },
"output" : { }
},

"description" : "This example describes the enableDnsHostnames attribute. This attribute indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.",
"id" : "ec2-describe-vpc-attribute-2",
"input" : {

"VpcId" : "vpc-a01106c2",
"Attribute" : "enableDnsHostnames"
},
"output" : {

"VpcId" : "vpc-a01106c2",
"EnableDnsHostnames" : true
},
"title" : "To describe the enableDnsHostnames attribute"
}
],

"DescribeVpcs" : [ {

"comments" : {

"input" : { },
"output" : { }
},

"description" : "This example describes the specified VPC.",
"id" : "ec2-describe-vpcs-1",
"input" : {

"VpcIds" : [ "vpc-a01106c2" ]
},
"output" : {

"Vpcs" : [ {

"VpcId" : "vpc-a01106c2",
"State" : "available",
"CidrBlock" : "10.0.0.0/16",
"DhcpOptionsId" : "dopt-7a8b9c2d",
} ],

} ]
"Tags": [ {
  "Key": "Name",
  "Value": "MyVPC"
} ],
"InstanceTenancy": "default",
"IsDefault": false
],
"title": "To describe a VPC"
],
"DetachInternetGateway": [ {
  "comments": { 
    "input": { },
    "output": { }
  },
  "description": "This example detaches the specified Internet gateway from the specified VPC.",
  "id": "ec2-detach-internet-gateway-1",
  "input": { 
    "InternetGatewayId": "igw-c0a643a9",
    "VpcId": "vpc-a01106c2"
  },
  "output": null,
  "title": "To detach an Internet gateway from a VPC"
}
],
"DetachNetworkInterface": [ {
  "comments": { 
    "input": { },
    "output": { }
  },
  "description": "This example detaches the specified network interface from its attached instance.",
  "id": "ec2-detach-network-interface-1",
  "input": { 
    "AttachmentId": "eni-attach-66c4350a"
  },
  "output": null,
  "title": "To detach a network interface from an instance"
}
],
"DetachVolume": [ {
  "comments": { 
    "input": { },
    "output": { }
  },
  "description": "This example detaches the volume (\`vol-049df61146c4d7901\`) from the instance it is attached to.",
  "id": "to-detach-a-volume-from-an-instance-1472507977694",
  "input": { 
    "VolumeId": "vol-1234567890abcdef0"
  }
}]
}
"output" : {
    "VolumeId" : "vol-049df61146c4d7901",
    "InstanceId" : "i-1234567890abcdef0",
    "Device" : "/dev/sdb",
    "State" : "detaching",
    "AttachTime" : "2014-02-27T19:23:06.000Z"
  },
  "title" : "To detach a volume from an instance"
},
"DisableVgwRoutePropagation" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example disables the specified virtual private gateway from propagating static routes to the specified route table.",
  "id" : "ec2-disable-vgw-route-propagation-1",
  "input" : {
    "RouteTableId" : "rtb-22574640",
    "GatewayId" : "vgw-9a4acaf3"
  },
  "output" : null,
  "title" : "To disable route propagation"
} ],
"DisassociateAddress" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example disassociates an Elastic IP address from an instance in a VPC.",
  "id" : "ec2-disassociate-address-1",
  "input" : {
    "AssociationId" : "eipassoc-2bebb745"
  },
  "output" : null,
  "title" : "To disassociate an Elastic IP address in EC2-VPC"
}, {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example disassociates an Elastic IP address from an instance in EC2-Classic.",
  "id" : "ec2-disassociate-address-2",
  "input" : {
    "PublicIp" : "198.51.100.0"
  },
  "output" : null,
  "title" : "To disassociate an Elastic IP addresses in EC2-Classic"}
"DisassociateRouteTable" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example disassociates the specified route table from its associated subnet.",
  "id" : "ec2-disassociate-route-table-1",
  "input" : {
    "AssociationId" : "rtbassoc-781d0d1a"
  },
  "output" : null,
  "title" : "To disassociate a route table"
}],
"EnableVgwRoutePropagation" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example enables the specified virtual private gateway to propagate static routes to the specified route table.",
  "id" : "ec2-enable-vgw-route-propagation-1",
  "input" : {
    "RouteTableId" : "rtb-22574640",
    "GatewayId" : "vgw-9a4cacf3"
  },
  "output" : null,
  "title" : "To enable route propagation"
}],
"EnableVolumeIO" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example enables I/O on volume `vol-1234567890abcdef0`.",
  "id" : "to-enable-io-for-a-volume-1472508114867",
  "input" : {
    "VolumeId" : "vol-1234567890abcdef0"
  },
  "output" : null,
  "title" : "To enable I/O for a volume"
}],
"ModifyNetworkInterfaceAttribute" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example modifies the attachment attribute of the specified network interface.",
  "id" : "ec2-modify-attachment-1",
  "input" : {
    "NetworkInterfaceId" : "eni-02f321b49b2a9f93c",
    "AttachmentId" : "eniac-attachment-1"
  },
  "output" : null,
  "title" : "To modify network interface attribute"
}]},
"id" : "ec2-modify-network-interface-attribute-1",
"input" : {
    "NetworkInterfaceId" : "eni-686ea200",
    "Attachment" : {
        "AttachmentId" : "eni-attach-43348162",
        "DeleteOnTermination" : false
    }
},
"output" : null,
"title" : "To modify the attachment attribute of a network interface"
},

"comments" : {
    "input" : { },
    "output" : { }
},
"description" : "This example modifies the description attribute of the specified network interface.",
"id" : "ec2-modify-network-interface-attribute-2",
"input" : {
    "NetworkInterfaceId" : "eni-686ea200",
    "Description" : "My description"
},
"output" : null,
"title" : "To modify the description attribute of a network interface"
},

"comments" : {
    "input" : { },
    "output" : { }
},
"description" : "This example command modifies the groupSet attribute of the specified network interface.",
"id" : "ec2-modify-network-interface-attribute-3",
"input" : {
    "NetworkInterfaceId" : "eni-686ea200",
    "Groups" : [ "sg-903004f8", "sg-1a2b3c4d" ]
},
"output" : null,
"title" : "To modify the groupSet attribute of a network interface"
},

"comments" : {
    "input" : { },
    "output" : { }
},
"description" : "This example command modifies the sourceDestCheck attribute of the specified network interface.",
"id" : "ec2-modify-network-interface-attribute-4",
"input" : {
    "NetworkInterfaceId" : "eni-686ea200",
    "SourceDestCheck" : false
},
"output" : null,
"title" : "To modify the sourceDestCheck attribute of a network interface"
},
"ModifySnapshotAttribute" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example modifies snapshot `snap-1234567890abcdef0` to remove the create volume permission for a user with the account ID `123456789012`. If the command succeeds, no output is returned.",
"id" : "to-modify-a-snapshot-attribute-1472508385907",
"input" : {
"SnapshotId" : "snap-1234567890abcdef0",
"Attribute" : "createVolumePermission",
"OperationType" : "remove",
"UserIds" : [ "123456789012" ]
},
"output" : { },
"title" : "To modify a snapshot attribute"
}, {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example makes the snapshot `snap-1234567890abcdef0` public.",
"id" : "to-make-a-snapshot-public-1472508470529",
"input" : {
"SnapshotId" : "snap-1234567890abcdef0",
"Attribute" : "createVolumePermission",
"OperationType" : "add",
"GroupNames" : [ "all" ]
},
"output" : { },
"title" : "To make a snapshot public"
}],
"ModifySpotFleetRequest" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example increases the target capacity of the specified Spot fleet request.",
"id" : "ec2-modify-spot-fleet-request-1",
"input" : {
"SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
"TargetCapacity" : 20
},
"output" : { "Return" : true
}
"description": "This example decreases the target capacity of the specified Spot fleet request without
terminating any Spot Instances as a result.",
"id": "ec2-modify-spot-fleet-request-2",
"input": {
  "SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
  "TargetCapacity": 10,
  "ExcessCapacityTerminationPolicy": "NoTermination"
},
"output": {
  "Return": true
},
"title": "To decrease the target capacity of a Spot fleet request"
},
"ModifySubnetAttribute": [
  {
    "description": "This example modifies the specified subnet so that all instances launched into this subnet are
assigned a public IP address.",
    "id": "ec2-modify-subnet-attribute-1",
    "input": {
      "SubnetId": "subnet-1a2b3c4d",
      "MapPublicIpOnLaunch": true
    },
    "output": null,
    "title": "To change a subnet's public IP addressing behavior"
  },
  {
    "description": "This example sets the `autoEnableIo` attribute of the volume with the ID `vol-1234567890abcdef0` to "true". If the command succeeds, no output is returned.",
    "id": "to-modify-a-volume-attribute-1472508596749",
    "input": {
      "VolumeId": "vol-1234567890abcdef0",
      "AutoEnableIO": true
    },
    "output": { },
"description": "This example modifies the enableDnsSupport attribute. This attribute indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for instances in the VPC to their corresponding IP addresses; otherwise, it does not.",
"id": "ec2-modify-vpc-attribute-1",
"input": {
  "VpcId": "vpc-a01106c2",
  "EnableDnsSupport": false
},
"output": null,
"title": "To modify the enableDnsSupport attribute"
],

"description": "This example modifies the enableDnsHostnames attribute. This attribute indicates whether instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.",
"id": "ec2-modify-vpc-attribute-2",
"input": {
  "VpcId": "vpc-a01106c2",
  "EnableDnsHostnames": false
},
"output": null,
"title": "To modify the enableDnsHostnames attribute"
}],

"MoveAddressToVpc": [ {
  "comments": {
    "input": { },
    "output": { }
  },
  "description": "This example moves the specified Elastic IP address to the EC2-VPC platform.",
  "id": "ec2-move-address-to-vpc-1",
  "input": {
    "PublicIp": "54.123.4.56"
  },
  "output": {
    "Status": "MoveInProgress"
  },
  "title": "To move an address to EC2-VPC"
} ]}
"PurchaseScheduledInstances" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  }
},
  "description" : "This example purchases a Scheduled Instance.",
  "id" : "ec2-purchase-scheduled-instances-1",
  "input" : {
    "PurchaseRequests" : [ {
      "PurchaseToken" : "eyJ2IjoiMSIsInMiOjEsImMiOi...",
      "InstanceCount" : 1
    } ]
  },
  "output" : {
    "ScheduledInstanceSet" : [ {
      "ScheduledInstanceId" : "sci-1234-1234-1234-1234456789012",
      "InstanceType" : "c4.large",
      "Platform" : "Linux/UNIX",
      "NetworkPlatform" : "EC2-VPC",
      "AvailabilityZone" : "us-west-2b",
      "SlotDurationInHours" : 32,
      "Recurrence" : {
        "Frequency" : "Weekly",
        "Interval" : 1,
        "OccurrenceDaySet" : [ 1 ],
        "OccurrenceRelativeToEnd" : false,
        "OccurrenceUnit" : ""
      },
      "NextSlotStartTime" : "2016-01-31T09:00:00Z",
      "HourlyPrice" : "0.095",
      "TotalScheduledInstanceHours" : 1696,
      "InstanceCount" : 1,
      "TermStartDate" : "2016-01-31T09:00:00Z",
      "TermEndDate" : "2017-01-31T09:00:00Z",
      "CreateDate" : "2016-01-25T21:43:38.612Z"
    } ]
  },
  "title" : "To purchase a Scheduled Instance"
}],
"ReleaseAddress" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  }
},
  "description" : "This example releases an Elastic IP address for use with instances in a VPC.",
  "id" : "ec2-release-address-1",
  "input" : {
    "AllocationId" : "eipalloc-64d5890a"
"output": null,
"title": "To release an Elastic IP address for EC2-VPC"
},

"comments": {
"input": {},
"output": {}
}
},

"description": "This example releases an Elastic IP address for use with instances in EC2-Classic."
,"id": "ec2-release-address-2",
"input": {
"PublicIp": "198.51.100.0"
}
},

"output": null,
"title": "To release an Elastic IP addresses for EC2-Classic"
} ]

"ReplaceNetworkAclAssociation": [ {
"comments": {
"input": {},
"output": {}
}
},

"description": "This example associates the specified network ACL with the subnet for the specified network
ACL association.",
,"id": "ec2-replace-network-acl-association-1",
"input": {
"AssociationId": "aclassoc-e5b95c8c",
"NetworkAclId": "acl-5fb85d36"
}
},

"output": {
"NewAssociationId": "aclassoc-3999875b"
}
},

"title": "To replace the network ACL associated with a subnet"
} ],

"ReplaceNetworkAclEntry": [ {
"comments": {
"input": {},
"output": {}
}
},

"description": "This example replaces an entry for the specified network ACL. The new rule 100 allows ingress
traffic from 203.0.113.12/24 on UDP port 53 (DNS) into any associated subnet.",
,"id": "ec2-replace-network-acl-entry-1",
"input": {
"NetworkAclId": "acl-5fb85d36",
"RuleNumber": 100,
"Protocol": "udp",
"RuleAction": "allow",
"Egress": false,
"CidrBlock": "203.0.113.12/24"
"PortRange" : {
    "From" : 53,
    "To" : 53
 },
"output" : null,
"title" : "To replace a network ACL entry"
],
"ReplaceRoute" : [ {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example replaces the specified route in the specified table table. The new route matches the specified CIDR and sends the traffic to the specified virtual private gateway.",
    "id" : "ec2-replace-route-1",
    "input" : {
        "RouteTableId" : "rtb-22574640",
        "DestinationCidrBlock" : "10.0.0.0/16",
        "GatewayId" : "vgw-9a4caf3"
    },
    "output" : null,
    "title" : "To replace a route"
}],
"ReplaceRouteTableAssociation" : [ {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example associates the specified route table with the subnet for the specified route table association.",
    "id" : "ec2-replace-route-table-association-1",
    "input" : {
        "AssociationId" : "rtbassoc-781d0d1a",
        "RouteTableId" : "rtb-22574640"
    },
    "output" : {
        "NewAssociationId" : "rtbassoc-3a1f0f58"
    },
    "title" : "To replace the route table associated with a subnet"
}],
"RequestSpotFleet" : [ {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example creates a Spot fleet request with two launch specifications that differ only by subnet. The Spot fleet launches the instances in the specified subnet with the lowest price. If the instances are
launched in a default VPC, they receive a public IP address by default. If the instances are launched in a nondefault VPC, they do not receive a public IP address by default. Note that you can't specify different subnets from the same Availability Zone in a Spot fleet request.

```
"id" : "ec2-request-spot-fleet-1",
"input" : {
    "SpotFleetRequestConfig" : {
        "SpotPrice" : "0.04",
        "TargetCapacity" : 2,
        "IamFleetRole" : "arn:aws:iam::123456789012:role/my-spot-fleet-role",
        "LaunchSpecifications" : [ {
            "ImageId" : "ami-1a2b3c4d",
            "KeyName" : "my-key-pair",
            "SecurityGroups" : [ {
                "GroupId" : "sg-1a2b3c4d"
            } ],
            "InstanceType" : "m3.medium",
            "SubnetId" : ["subnet-1a2b3c4d", "subnet-3c4d5e6f"],
            "IamInstanceProfile" : {
                "Arn" : "arn:aws:iam::123456789012:instance-profile/my-iam-role"
            }
        } ]
    }
},
"output" : {
    "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title" : "To request a Spot fleet in the subnet with the lowest price"
},
"comments" : {
    "input" : { },
    "output" : { }
},
"description" : "This example creates a Spot fleet request with two launch specifications that differ only by Availability Zone. The Spot fleet launches the instances in the specified Availability Zone with the lowest price. If your account supports EC2-VPC only, Amazon EC2 launches the Spot instances in the default subnet of the Availability Zone. If your account supports EC2-Classic, Amazon EC2 launches the instances in EC2-Classic in the Availability Zone."
```

```
"id" : "ec2-request-spot-fleet-2",
"input" : {
    "SpotFleetRequestConfig" : {
        "SpotPrice" : "0.04",
        "TargetCapacity" : 2,
        "IamFleetRole" : "arn:aws:iam::123456789012:role/my-spot-fleet-role",
        "LaunchSpecifications" : [ {
            "ImageId" : "ami-1a2b3c4d",
            "KeyName" : "my-key-pair",
            "SecurityGroups" : [ {
                "GroupId" : "sg-1a2b3c4d"
            } ]
        } ]
    }
},
"output" : {
    "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title" : "To request a Spot fleet in the subnet with the lowest price"
},
"comments" : {
    "input" : { },
    "output" : { }
},
"description" : "This example creates a Spot fleet request with two launch specifications that differ only by Availability Zone. The Spot fleet launches the instances in the specified Availability Zone with the lowest price. If your account supports EC2-VPC only, Amazon EC2 launches the Spot instances in the default subnet of the Availability Zone. If your account supports EC2-Classic, Amazon EC2 launches the instances in EC2-Classic in the Availability Zone."
```
"InstanceType" : "m3.medium",
"Placement" : {
  "AvailabilityZone" : "us-west-2a, us-west-2b"
},
"IamInstanceProfile" : {
  "Arn" : "arn:aws:iam::123456789012:instance-profile/my-iam-role"
}
},

"output" : {
"SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},

"title" : "To request a Spot fleet in the Availability Zone with the lowest price"
},

"comments" : {
  "input" : {},
  "output" : {}
},

"description" : "This example assigns public addresses to instances launched in a nondefault VPC. Note that when you specify a network interface, you must include the subnet ID and security group ID using the network interface."
,

"id" : "ec2-request-spot-fleet-3",

"input" : {
  "SpotFleetRequestConfig" : {
    "SpotPrice" : "0.04",
    "TargetCapacity" : 2,
    "IamFleetRole" : "arn:aws:iam::123456789012:role/my-spot-fleet-role",
    "LaunchSpecifications" : [{
      "ImageId" : "ami-1a2b3c4d",
      "KeyName" : "my-key-pair",
      "InstanceType" : "m3.medium",
      "NetworkInterfaceSpecifications" : [{
        "DeviceIndex" : 0,
        "SubnetId" : "subnet-1a2b3c4d",
        "Groups" : [ "sg-1a2b3c4d" ]
      }],
      "AssociatePublicIpAddress" : true
    }],
    "IamInstanceProfile" : {
      "Arn" : "arn:aws:iam::880185128111:instance-profile/my-iam-role"
    }
  }
},

"output" : {
"SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
This example creates a Spot fleet request that launches 30 instances using the diversified allocation strategy. The launch specifications differ by instance type. The Spot fleet distributes the instances across the launch specifications such that there are 10 instances of each type.

```json
"id" : "ec2-request-spot-fleet-4",
"input" : {
  "SpotFleetRequestConfig" : {
    "SpotPrice" : "0.70",
    "TargetCapacity" : 30,
    "IamFleetRole" : "arn:aws:iam::123456789012:role/my-spot-fleet-role",
    "LaunchSpecifications" : [
      {
        "ImageId" : "ami-1a2b3c4d",
        "InstanceType" : "c4.2xlarge",
        "SubnetId" : "subnet-1a2b3c4d"
      },
      {
        "ImageId" : "ami-1a2b3c4d",
        "InstanceType" : "m3.2xlarge",
        "SubnetId" : "subnet-1a2b3c4d"
      },
      {
        "ImageId" : "ami-1a2b3c4d",
        "InstanceType" : "r3.2xlarge",
        "SubnetId" : "subnet-1a2b3c4d"
      }
    ],
    "AllocationStrategy" : "diversified"
  }
},
"output" : {
  "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title" : "To request a Spot fleet using the diversified allocation strategy"
},
"RequestSpotInstances" : {
  "input" : {
    "SpotPrice" : "0.03"
  }
},
"comments" : {
  "input" : {
    "SpotPrice" : "0.03"
  }
},
"description" : "This example creates a one-time Spot Instance request for five instances in the specified Availability Zone. If your account supports EC2-VPC only, Amazon EC2 launches the instances in the default subnet of the specified Availability Zone. If your account supports EC2-Classic, Amazon EC2 launches the instances in EC2-Classic in the specified Availability Zone."
}
"InstanceCount" : 5,
"Type" : "one-time",
"LaunchSpecification" : {
  "ImageId" : "ami-1a2b3c4d",
  "KeyName" : "my-key-pair",
  "InstanceType" : "m3.medium",
  "Placement" : {
    "AvailabilityZone" : "us-west-2a"
  },
  "IamInstanceProfile" : {
    "Arn" : "arn:aws:iam::123456789012:instance-profile/my-iam-role"
  }
},
"output" : null,
"title" : "To create a one-time Spot Instance request"
},
"description" : "This example command creates a one-time Spot Instance request for five instances in the specified subnet. Amazon EC2 launches the instances in the specified subnet. If the VPC is a nondefault VPC, the instances do not receive a public IP address by default.",
"id" : "ec2-request-spot-instances-2",
"input" : {
  "SpotPrice" : "0.050",
  "InstanceCount" : 5,
  "Type" : "one-time",
  "LaunchSpecification" : {
    "ImageId" : "ami-1a2b3c4d",
    "InstanceType" : "m3.medium",
    "SubnetId" : "subnet-1a2b3c4d",
    "IamInstanceProfile" : {
      "Arn" : "arn:aws:iam::123456789012:instance-profile/my-iam-role"
    }
  }
},
"output" : null,
"title" : "To create a one-time Spot Instance request"
}]
"ResetSnapshotAttribute" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example resets the create volume permissions for snapshot `snap-1234567890abcdef0`. If the command succeeds, no output is returned.",
  "id" : "ec2-reset-snapshot-attribute",
  "output" : null,
  "title" : "To create a one-time Spot Instance request"
}
]
"id" : "to-reset-a-snapshot-attribute-1472508825735",
"input" : {
  "SnapshotId" : "snap-1234567890abcdef0",
  "Attribute" : "createVolumePermission"
},
"output" : { },
"title" : "To reset a snapshot attribute"
],
"RestoreAddressToClassic" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example restores the specified Elastic IP address to the EC2-Classic platform.",
  "id" : "ec2-restore-address-to-classic-1",
  "input" : {
    "PublicIp" : "198.51.100.0"
  },
  "output" : {
    "Status" : "MoveInProgress",
    "PublicIp" : "198.51.100.0"
  },
  "title" : "To restore an address to EC2-Classic"
}],
"RunScheduledInstances" : [ {
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example launches the specified Scheduled Instance in a VPC.",
  "id" : "ec2-run-scheduled-instances-1",
  "input" : {
    "InstanceCount" : 1,
    "ScheduledInstanceId" : "sci-1234-1234-1234-1234-123456789012",
    "LaunchSpecification" : {
      "ImageId" : "ami-12345678",
      "KeyName" : "my-key-pair",
      "InstanceType" : "c4.large",
      "NetworkInterfaces" : [ {
        "DeviceIndex" : 0,
        "SubnetId" : "subnet-12345678",
        "AssociatePublicIpAddress" : true,
        "Groups" : [ "sg-12345678" ]
      } ],
      "IamInstanceProfile" : { 
        "Name" : "my-iam-role"
      }
    }
  }
}
To launch a Scheduled Instance in EC2-Classic.

```
"id" : "ec2-run-scheduled-instances-2",
"input" : {
  "InstanceCount" : 1,
  "ScheduledInstanceId" : "sci-1234-1234-1234-1234-123456789012",
  "LaunchSpecification" : {
    "ImageId" : "ami-12345678",
    "KeyName" : "my-key-pair",
    "SecurityGroupIds" : [ "sg-12345678" ],
    "Placement" : {
      "AvailabilityZone" : "us-west-2b"
    },
    "InstanceType" : "c4.large",
    "IamInstanceProfile" : {
      "Name" : "my-iam-role"
    }
  }
},
"output" : {
  "InstanceIdSet" : [ "i-1234567890abcdef0" ]
},
"title" : "To launch a Scheduled Instance in EC2-Classic"
```

To unassign a secondary private IP address from a network interface.

```
"UnassignPrivateIpAddresses" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example unassigns the specified private IP address from the specified network interface.",
  "id" : "ec2-unassign-private-ip-addresses-1",
  "input" : {
    "NetworkInterfaceId" : "eni-e5aa89a3",
    "PrivateIpAddresses" : [ "10.0.0.82" ]
  },
  "output" : null,
  "title" : "To unassign a secondary private IP address from a network interface"
} ]
```
"version": "1.0"
},
"exceptionUnmarshallerImpl": "LegacyErrorUnmarshaller",
"fileHeader": "/*
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 */",
"hasWaiters": true,
"sdkModeledExceptionBaseClassName": "AmazonEC2Exception",
"sdkModeledExceptionBaseFqcn": "com.amazonaws.services.ec2.model.AmazonEC2Exception",
"serviceBaseExceptionFqcn": "com.amazonaws.AmazonServiceException",
"transformPackage": "com.amazonaws.services.ec2.model.transform"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/models/ec2-2016-11-15-intermediate.json
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Describes the ID format settings for your resources on a per-region basis, for example, to view which resource types are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types.

The following resource types support longer IDs: `instance` | `reservation` | `snapshot` | `volume`.

These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the `<a>ModifyIdFormat</a>` command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant `<code>Describe</code>` command for the resource type.

```java
@Param describeIdFormatRequest
    Contains the parameters for DescribeIdFormat.

@Return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
```

Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: `instance` | `reservation` | `snapshot` | `volume`.

This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see `<a>
* @param modifyIdFormatRequest
* Contains the parameters of ModifyIdFormat.
* @return A Java Future containing the result of the ModifyIdFormat operation returned by the service.
* @sample AmazonEC2Async.ModifyIdFormat
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat" target="_top">AWS API Documentation</a>
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/AmazonEC2Async.java

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*/
/**
 * <p>
 * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource types are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types.
 * </p>
 * <p>
 * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the `<a>ModifyIdFormat</a>` command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant `<code>Describe</code>` command for the resource type.

```
* @param describeIdFormatRequest
  * Contains the parameters for DescribeIdFormat.
* @return Result of the DescribeIdFormat operation returned by the service.
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat" target="_top">AWS API Documentation</a>
```

Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:

- `<code>instance</code>` | `<code>reservation</code>` | `<code>snapshot</code>` | `<code>volume</code>`.

This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a>` in the <i>Amazon Elastic Compute Cloud User Guide</i>.

Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant `<code>Describe</code>` command for the resource type.

```
* @param modifyIdFormatRequest
  * Contains the parameters of ModifyIdFormat.
* @return Result of the ModifyIdFormat operation returned by the service.
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat" target="_top">AWS API Documentation</a>
```

Found in path(s):
No license file was found, but licenses were detected in source scan.

```json
{
    "authorizers": [ ],
    "metadata": {
        "apiVersion": "2016-11-15",
        "endpointPrefix": "ec2",
        "jsonVersion": null,
        "protocol": "ec2",
        "resultWrapped": false,
        "serviceAbbreviation": "Amazon EC2",
        "serviceName": "Amazon Elastic Compute Cloud",
        "signatureVersion": "v4",
        "signingName": "ec2",
        "targetprefix": null,
        "uid": "ec2-2016-11-15",
        "xmlns": "http://ec2.amazonaws.com/doc/2016-11-15"
    },
    "operations": {
        "AcceptReservedInstancesExchangeQuote": {
            "authorizer": null,
            "authType": "IAM",
            "deprecated": false,
            "documentation": "<p>Accepts the Convertible Reserved Instance exchange quote described in the <a>GetReservedInstancesExchangeQuote</a> call.</p>",
            "errors": null,
            "http": {
                "method": "POST",
                "requestUri": "/",
                "responseCode": null
            },
            "input": {
                "documentation": null,
                "locationName": null,
                "shape": "AcceptReservedInstancesExchangeQuoteRequest",
                "xmlns": null
            },
            "name": "AcceptReservedInstancesExchangeQuote",
            "output": {
                "documentation": null,
                "locationName": null,
                "resultWrapper": null,
                "shape": "AcceptReservedInstancesExchangeQuoteResult"
            }
        }
    }
}```
"AcceptVpcPeeringConnection" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Accept a VPC peering connection request. To accept a request, the VPC peering connection must be in the pending-acceptance state, and you must be the owner of the peer VPC. Use the DescribeVpcPeeringConnections request to view your outstanding VPC peering connection requests."
  },
  "AllocateAddress" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Acquires an Elastic IP address. An Elastic IP address is for use either in the EC2-Classic platform or in a VPC. For more information, see Elastic IP Addresses in the Amazon Elastic Compute Cloud User Guide.
  ",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AllocateAddressRequest",
    "xmlNamespace" : null
  },
  "name" : "AllocateAddress",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "AllocateAddressResult"
  }
}
"AllocateAddress" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Allocates a Dedicated Host to your account. At minimum you need to specify the instance size type, Availability Zone, and quantity of hosts you want to allocate.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AllocateHostsRequest",
    "xmlNamespace" : null
  },
  "name" : "AllocateAddress",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "AllocateAddressResult"
  }
},
"AllocateHosts" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Assigns one or more IPv6 addresses to the specified network interface. You can specify one or more specific IPv6 addresses, or you can specify the number of IPv6 addresses to be automatically assigned from within the subnet's IPv6 CIDR block range. You can assign as many IPv6 addresses to a network interface as you can assign private IPv4 addresses, and the limit varies per instance type. For information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per Network Interface Per Instance Type</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "path" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AssignIpv6AddressesRequest",
    "xmlNamespace" : null
  },
  "name" : "AssignIpv6Addresses",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "AssignIpv6AddressesResult"
  }
}
AssignPrivateIpAddresses: Assigns one or more secondary private IP addresses to the specified network interface.
You can specify one or more specific secondary IP addresses, or you can specify the number of secondary IP addresses to be automatically assigned within the subnet's CIDR block range. The number of secondary IP addresses that you can assign to an instance varies by instance type. For information about instance types, see [Instance Types](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html) in the Amazon Elastic Compute Cloud User Guide. For more information about Elastic IP addresses, see [Elastic IP Addresses](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html) in the Amazon Elastic Compute Cloud User Guide.

"name": "AssignPrivateIpAddresses",
"output": null,
"deprecated" : false,
"documentation" : "<p>Associates an Elastic IP address with an instance or a network interface.</p> <p>An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>[EC2-Classic, VPC in an EC2-VPC-only account] If the Elastic IP address is already associated with a different instance, it is disassociated from that instance and associated with the specified instance.</p> <p>[VPC in an EC2-Classic account] If you don't specify a private IP address, the Elastic IP address is associated with the primary IP address. If the Elastic IP address is already associated with a different instance or a network interface, you get an error unless you allow reassociation.</p> <p>This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error, and you may be charged for each time the Elastic IP address is remapped to the same instance. For more information, see the <i>Elastic IP Addresses</i> section of <a href="/http://aws.amazon.com/ec2/pricing/">Amazon EC2 Pricing</a>.
</p> <important>
<p>This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error, and you may be charged for each time the Elastic IP address is remapped to the same instance. For more information, see the <i>Elastic IP Addresses</i> section of <a href="/http://aws.amazon.com/ec2/pricing/">Amazon EC2 Pricing</a>.</p>
</important>

"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "AssociateAddressRequest",
"xmlNamespace" : null
},
"name" : "AssociateAddress",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "AssociateAddressResult"
}
},
"AssociateDhcpOptions" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Associates a set of DHCP options (that you've previously created) with the specified VPC, or associates no DHCP options with the VPC.</p> <p>After you associate the options with the VPC, any existing instances and all new instances that you launch in that VPC use the options. You don't need to restart or relaunch the instances. They automatically pick up the changes within a few hours, depending on how frequently the instance renews its DHCP lease. You can explicitly renew the lease using the operating system on the instance.</p> <p>For more information, see <a href="/http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "AssociateDhcpOptionsRequest",
"xmlNamespace" : null
},
"name" : "AssociateDhcpOptions",
"output" : null
},
"AssociateIamInstanceProfile" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Associates an IAM instance profile with a running or stopped instance. You cannot associate more than one IAM instance profile with an instance.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "AssociateIamInstanceProfileRequest",
"xmlNamespace" : null
},
"name" : "AssociateIamInstanceProfile",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "AssociateIamInstanceProfileResult"
}
},
"AssociateRouteTable" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Associates a subnet with a route table. The subnet and route table must be in the same VPC. This association causes traffic originating from the subnet to be routed according to the routes in the route table. The action returns an association ID, which you need in order to disassociate the route table from the subnet later. A route table can be associated with multiple subnets.</p> For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
"
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "AssociateRouteTableRequest",
  "xmlNamespace" : null
},
"name" : "AssociateRouteTable",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "AssociateRouteTableResult"
}
},
"AssociateSubnetCidrBlock" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Associates a CIDR block with your subnet. You can only associate a single IPv6 CIDR block with your subnet. An IPv6 CIDR block must have a prefix length of /64."",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AssociateSubnetCidrBlockRequest",
    "xmlNamespace" : null
  },
  "name" : "AssociateSubnetCidrBlock",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "AssociateSubnetCidrBlockResult"
  }
},
"AssociateVpcCidrBlock" : {
  "authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Associates a CIDR block with your VPC. You can only associate a single Amazon-provided IPv6 CIDR block with your VPC. The IPv6 CIDR block size is fixed at /56.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "AssociateVpcCidrBlockRequest",
  "xmlNamespace" : null
},
"name" : "AssociateVpcCidrBlock",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "AssociateVpcCidrBlockResult"
},
"AttachClassicLinkVpc" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Links an EC2-Classic instance to a ClassicLink-enabled VPC through one or more of the VPC's security groups. You cannot link an EC2-Classic instance to more than one VPC at a time. You can only link an instance that's in the <code>running</code> state. An instance is automatically unlinked from a VPC when it's stopped - you can link it to the VPC again when you restart it.</p> <p>After you've linked an instance, you cannot change the VPC security groups that are associated with it. To change the security groups, you must first unlink the instance, and then link it again.</p> <p>Linking your instance to a VPC is sometimes referred to as attaching your instance.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AttachClassicLinkVpcRequest",
    "xmlNamespace" : null
  },
  "name" : "AttachClassicLinkVpc",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "AttachClassicLinkVpcResult"
},
"AttachInternetGateway" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Attaches an Internet gateway to a VPC, enabling connectivity between the Internet and
the VPC. For more information about your VPC and Internet gateway, see the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/">Amazon Virtual Private Cloud User
Guide</a>.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AttachInternetGatewayRequest",
    "xmlNamespace" : null
  },
  "name" : "AttachInternetGateway",
  "output" : null
},
"AttachNetworkInterface" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Attaches a network interface to an instance.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AttachNetworkInterfaceRequest",
    "xmlNamespace" : null
  },
  "name" : "AttachNetworkInterface"
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "AttachNetworkInterfaceResult"
  },
  "AttachVolume" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Attaches an EBS volume to a running or stopped instance and exposes it to the instance with the specified device name.</p> <p>Encrypted EBS volumes may only be attached to instances that support Amazon EBS encryption. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p>. <p>If a volume has an AWS Marketplace product code:</p> <ul> <li> <p>The volume can be attached only to a stopped instance.</p> </li> <li> <p>AWS Marketplace product codes are copied from the volume to the instance.</p> </li> <li> <p>You must be subscribed to the product.</p> </li> <li> <p>The instance type and operating system of the instance must support the product. For example, you can't detach a volume from a Windows instance and attach it to a Linux instance.</p> </li> </ul> <p>For an overview of the AWS Marketplace, see <a href="https://aws.amazon.com/marketplace/help/200900000/">Introducing AWS Marketplace</a></p> For more information about EBS volumes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-attaching-volume.html">Attaching Amazon EBS Volumes</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p>

"errors" : null,
"http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AttachVolumeRequest",
    "xmlNamespace" : null
  },
  "name" : "AttachVolume",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "AttachVolumeResult"
"AttachVpnGateway" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "Attaches a virtual private gateway to a VPC. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the Amazon Virtual Private Cloud User Guide.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "AttachVpnGatewayRequest",
        "xmlNamespace" : null
    },
    "name" : "AttachVpnGateway",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "AttachVpnGatewayResult"
    }
},

"AuthorizeSecurityGroupEgress" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "[EC2-VPC only] Adds one or more egress rules to a security group for use with a VPC. Specifically, this action permits instances to send traffic to one or more destination IPv4 or IPv6 CIDR address ranges, or to one or more destination security groups for the same VPC. This action doesn't apply to security groups for use in EC2-Classic. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html">Security Groups for Your VPC</a> in the Amazon Virtual Private Cloud User Guide. For more information about security group limits, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Appendix_Limits.html">Amazon VPC Limits</a>. Each rule consists of the protocol (for example, TCP), plus either a CIDR range or a source group. For the TCP and UDP protocols, you must also specify the destination port or port range. For the ICMP protocol, you must also specify the ICMP type and code. You can use -1 for the type or code to mean all types or all codes. Rule changes are propagated to affected instances as quickly as possible. However, a small delay might occur.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    }
}
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "AuthorizeSecurityGroupEgressRequest",
  "xmlnsNamespace" : null
},
"name" : "AuthorizeSecurityGroupEgress",
"output" : null
},
"AuthorizeSecurityGroupIngress" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Adds one or more ingress rules to a security group. Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur.</p> <p>[EC2-Classic] This action gives one or more IPv4 CIDR address ranges permission to access a security group in your account, or gives one or more security groups (called the &lt;i&gt;source groups&lt;/i&gt;) permission to access a security group for your account. A source group can be for your own AWS account, or another. You can have up to 100 rules per group. <p>[EC2-VPC] This action gives one or more IPv4 or IPv6 CIDR address ranges permission to access a security group in your VPC, or gives one or more other security groups (called the &lt;i&gt;source groups&lt;/i&gt;) permission to access a security group for your VPC. The security groups must all be for the same VPC or a peer VPC in a VPC peering connection. For more information about VPC security group limits, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Appendix_Limits.html">Amazon VPC Limits</a&gt;.&lt;/p&gt;",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "AuthorizeSecurityGroupIngressRequest",
    "xmlnsNamespace" : null
  },
  "name" : "AuthorizeSecurityGroupIngress",
  "output" : null
},
"BundleInstance" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Bundles an Amazon instance store-backed Windows instance.</p> During bundling,
only the root device volume (C:\) is bundled. Data on other instance store volumes is not preserved.

This action is not applicable for Linux/Unix instances or Windows instances that are backed by Amazon EBS.

For more information, see [Creating an Instance Store-Backed Windows AMI](http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/Creating_InstanceStoreBacked_WinAMI.html)

```json

"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
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"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "BundleInstanceRequest",
"xmlNamespace" : null
},
"name" : "BundleInstance",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "BundleInstanceResult"
},
"CancelBundleTask" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Cancels a bundling operation for an instance store-backed Windows instance.

"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CancelBundleTaskRequest",
"xmlNamespace" : null
},
"name" : "CancelBundleTask",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CancelBundleTaskResult"
}
```
"CancelConversionTask" : {
   "authorizer" : null,
   "authtype" : "IAM",
   "deprecated" : false,
   "documentation" : "Cancels an active conversion task. The task can be the import of an instance or volume. The action removes all artifacts of the conversion, including a partially uploaded volume or instance. If the conversion is complete or is in the process of transferring the final disk image, the command fails and returns an exception.",
   "errors" : null,
   "http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
   },
   "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "CancelConversionRequest",
      "xmlNamespace" : null
   },
   "name" : "CancelConversionTask",
   "output" : null
},

"CancelExportTask" : {
   "authorizer" : null,
   "authtype" : "IAM",
   "deprecated" : false,
   "documentation" : "Cancels an active export task. The request removes all artifacts of the export, including any partially-created Amazon S3 objects. If the export task is complete or is in the process of transferring the final disk image, the command fails and returns an error."
   "errors" : null,
   "http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
   },
   "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "CancelExportTaskRequest",
      "xmlNamespace" : null
   },
   "name" : "CancelExportTask",
   "output" : null
"CancelImportTask" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Cancels an in-process import virtual machine or import snapshot task.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "CancelImportTaskRequest",
        "xmlNamespace" : null
    },
    "name" : "CancelImportTask",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "CancelImportTaskResult"
    }
},

"CancelReservedInstancesListing" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Cancels the specified Reserved Instance listing in the Reserved Instance Marketplace.</p>
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "CancelReservedInstancesListingRequest",
        "xmlNamespace" : null
    },
    "name" : "CancelReservedInstancesListing",
    "output" : {
        "documentation" : null,
        "locationName" : null,
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CancelReservedInstancesListingResult"
}
},
"CancelSpotFleetRequests" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Cancels the specified Spot fleet requests. After you cancel a Spot fleet request, the Spot fleet launches no new Spot instances. You must specify whether the Spot fleet should also terminate its Spot instances. If you terminate the instances, the Spot fleet request enters the <code>cancelled_terminating</code> state. Otherwise, the Spot fleet request enters the <code>cancelled_running</code> state and the instances continue to run until they are interrupted or you terminate them manually.,
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CancelSpotFleetRequestsRequest",
"xmlNamespace" : null
},
"name" : "CancelSpotFleetRequests",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CancelSpotFleetRequestsResponse"
}
},
"CancelSpotInstanceRequests" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Cancels one or more Spot instance requests. Spot instances are instances that Amazon EC2 starts on your behalf when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot instance capacity and current Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-requests.html">Spot Instance Requests</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. Canceling a Spot instance request does not terminate running Spot instances associated with the request.,
"errors" : null,
"http" : {
"method" : "POST",}
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "CancelSpotInstanceRequestsRequest",
"xmlNamespace": null
},
"name": "CancelSpotInstanceRequests",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "CancelSpotInstanceRequestsResult"
}
},
"ConfirmProductInstance": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Determines whether a product code is associated with an instance. This action can only be used by the owner of the product code. It is useful when a product code owner needs to verify whether another user’s instance is eligible for support.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "ConfirmProductInstanceRequest",
"xmlNamespace": null
},
"name": "ConfirmProductInstance",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "ConfirmProductInstanceResult"
}
},
"CopyImage": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"locationName" : null,
"shape" : "CopySnapshotRequest",
"xmlNamespace" : null
},
"name" : "CopySnapshot",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CopySnapshotResult"
}
},
"CreateCustomerGateway" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Provides information to AWS about your VPN customer gateway device. The customer gateway is the appliance at your end of the VPN connection. (The device on the AWS side of the VPN connection is the virtual private gateway.) You must provide the Internet-routable IP address of the customer gateway's external interface. The IP address must be static and may be behind a device performing network address translation (NAT).<p> <p>For devices that use Border Gateway Protocol (BGP), you can also provide the device's BGP Autonomous System Number (ASN). You can use an existing ASN assigned to your network. If you don't have an ASN already, you can use a private ASN (in the 64512 - 65534 range).<p> <p>Amazon EC2 supports all 2-byte ASN numbers in the range of 1 - 65534, with the exception of 7224, which is reserved in the <code>us-east-1</code> region, and 9059, which is reserved in the <code>eu-west-1</code> region.<p> <p>For more information about VPN customer gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.<p> <p>You cannot create more than one customer gateway with the same VPN type, IP address, and BGP ASN parameter values. If you run an identical request more than one time, the first request creates the customer gateway, and subsequent requests return information about the existing customer gateway. The subsequent requests do not create new customer gateway resources.<p>
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CreateCustomerGatewayRequest",
"xmlNamespace" : null
},
"name" : "CreateCustomerGateway",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CreateDhcpOptions",

"CreateDhcpOptions" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Creates a set of DHCP options for your VPC. After creating the set, you must associate it with the VPC, causing all existing and new instances that you launch in the VPC to use this set of DHCP options. The following are the individual DHCP options you can specify. For more information about the options, see <a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a>.</p>
<ul>
<li><p><code>domain-name-servers</code> - The IP addresses of up to four domain name servers, or AmazonProvidedDNS. The default DHCP option set specifies AmazonProvidedDNS. If specifying more than one domain name server, specify the IP addresses in a single parameter, separated by commas. If you want your instance to receive a custom DNS hostname as specified in <code>domain-name</code>, you must set <code>domain-name-servers</code> to a custom DNS server.</p></li>
<li><p><code>domain-name</code> - If you're using AmazonProvidedDNS in "us-east-1", specify "ec2.internal". If you're using AmazonProvidedDNS in another region, specify "/region.compute.internal" (for example, "ap-northeast-1.compute.internal"). Otherwise, specify a domain name (for example, "MyCompany.com"). This value is used to complete unqualified DNS hostnames. <b>Important</b>: Some Linux operating systems accept multiple domain names separated by spaces. However, Windows and other Linux operating systems treat the value as a single domain, which results in unexpected behavior. If your DHCP options set is associated with a VPC that has instances with multiple operating systems, specify only one domain name.</p></li>
<li><p><code>ntp-servers</code> - The IP addresses of up to four Network Time Protocol (NTP) servers.</p></li>
<li><p><code>netbios-name-servers</code> - The IP addresses of up to four NetBIOS name servers.</p></li>
<li><p><code>netbios-node-type</code> - The NetBIOS node type (1, 2, 4, or 8). We recommend that you specify 2 (broadcast and multicast are not currently supported). For more information about these node types, see <a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a>.</p></li>
</ul>
<p>Your VPC automatically starts out with a set of DHCP options that includes only a DNS server that we provide (AmazonProvidedDNS). If you create a set of options, and if your VPC has an Internet gateway, make sure to set the <code>domain-name-servers</code> option either to <code>AmazonProvidedDNS</code> or to a domain name server of your choice. For more information about DHCP options, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the Amazon Virtual Private Cloud User Guide.</p>"},

"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},

"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CreateDhcpOptionsRequest",
"xmlnsNamespace" : null
},

"name" : "CreateDhcpOptions",
"output" : {"resultWrapper" : null,
"shape" : "CreateDhcpOptionsResult"
}
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CreateDhcpOptionsResult"
}
}
"CreateEgressOnlyInternetGateway" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "[IPv6 only] Creates an egress-only Internet gateway for your VPC. An egress-only Internet gateway is used to enable outbound communication over IPv6 from instances in your VPC to the Internet, and prevents hosts outside of your VPC from initiating an IPv6 connection with your instance."",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "CreateEgressOnlyInternetGatewayRequest",
 "xmlNamespace" : null
 },
 "name" : "CreateEgressOnlyInternetGateway",
 "output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "CreateEgressOnlyInternetGatewayResult"
 }
 },
 "CreateFlowLogs" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "Creates one or more flow logs to capture IP traffic for a specific network interface, subnet, or VPC. Flow logs are delivered to a specified log group in Amazon CloudWatch Logs. If you specify a VPC or subnet in the request, a log stream is created in CloudWatch Logs for each network interface in the subnet or VPC. Log streams can include information about accepted and rejected traffic to a network interface. You can view the data in your log streams using Amazon CloudWatch Logs."",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 }
"CreateImage" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates an Amazon EBS-backed AMI from an Amazon EBS-backed instance that is either running or stopped. </p><p>If you customized your instance with instance store volumes or EBS volumes in addition to the root device volume, the new AMI contains block device mapping information for those volumes. When you launch an instance from this new AMI, the instance automatically launches with those additional volumes.</p><a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami-ebs.html">Creating Amazon EBS-Backed Linux AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateImageRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateImage",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "CreateImageResult"
  }
},
"CreateInstanceExportTask" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : null,
  "locationName" : null,
  "shape" : null,
  "xmlNamespace" : null
}
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Exports a running or stopped instance to an S3 bucket. For information about the supported operating systems, image formats, and known limitations for the types of instances you can export, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmexport.html">Exporting an Instance as a VM Using VM Import/Export</a> in the <i>VM Import/Export User Guide</i>.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "CreateInstanceExportTaskRequest",
  "xmlNamespace" : null
},
"name" : "CreateInstanceExportTask",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "CreateInstanceExportTaskResult"
},
"CreateInternetGateway" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates an Internet gateway for use with a VPC. After creating the Internet gateway, you attach it to a VPC using <a>AttachInternetGateway</a>. For more information about your VPC and Internet gateway, see the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/">Amazon Virtual Private Cloud User Guide</a>.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateInternetGatewayRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateInternetGateway",
  "output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CreateInternetGatewayResult"
}
,
"CreateKeyPair" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates a 2048-bit RSA key pair with the specified name. Amazon EC2 stores the public key and displays the private key for you to save to a file. The private key is returned as an unencrypted PEM encoded PKCS#8 private key. If a key with the specified name already exists, Amazon EC2 returns an error.</p> <p>You can have up to five thousand key pairs per region.</p> <p>The key pair returned to you is available only in the region in which you create it. To create a key pair that is available in all regions, use <a>ImportKeyPair</a>.</p> <p>For more information about key pairs, see in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateKeyPairRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateKeyPair",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "CreateKeyPairResult"
  }
},

"CreateNatGateway" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates a NAT gateway in the specified subnet. A NAT gateway can be used to enable instances in a private subnet to connect to the Internet. This action creates a network interface in the specified subnet with a private IP address from the IP address range of the subnet. For more information, see in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"
}
"http": {  
  "method": "POST",  
  "requestUri": "/",  
  "responseCode": null  
},
"input": {  
  "documentation": null,  
  "locationName": null,  
  "shape": "CreateNatGatewayRequest",  
  "xmlnsNamespace": null  
},
"name": "CreateNatGateway",
"output": {  
  "documentation": null,  
  "locationName": null,  
  "resultWrapper": null,  
  "shape": "CreateNatGatewayResult"  
},
"CreateNetworkAcl": {  
  "authorizer": null,  
  "authtype": "IAM",  
  "deprecated": false,  
  "documentation": "<p>Creates a network ACL in a VPC. Network ACLs provide an optional layer of security (in addition to security groups) for the instances in your VPC.</p>  
  <p>For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"},
"errors": null,
"http": {  
  "method": "POST",  
  "requestUri": "/",  
  "responseCode": null  
},
"input": {  
  "documentation": null,  
  "locationName": null,  
  "shape": "CreateNetworkAclRequest",  
  "xmlnsNamespace": null  
},
"name": "CreateNetworkAcl",
"output": {  
  "documentation": null,  
  "locationName": null,  
  "resultWrapper": null,  
  "shape": "CreateNetworkAclResult"  
},
"CreateNetworkAclEntry": {  
  "authorizer": null,  
  "authtype": "IAM",  
  "deprecated": false,  
  "documentation": null,  
  "locationName": null,  
  "shape": "CreateNetworkAclRequest",  
  "xmlnsNamespace": null  
},
"name": "CreateNetworkAclEntry",
"output": {  
  "documentation": null,  
  "locationName": null,  
  "resultWrapper": null,  
  "shape": "CreateNetworkAclResult"  
}
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,

"documentation" : "<p>Creates an entry (a rule) in a network ACL with the specified rule number. Each network
ACL has a set of numbered ingress rules and a separate set of numbered egress rules. When determining whether a
packet should be allowed in or out of a subnet associated with the ACL, we process the entries in the ACL according
to the rule numbers, in ascending order. Each network ACL has a set of ingress rules and a separate set of egress
rules.</p>
<p>We recommend that you leave room between the rule numbers (for example, 100, 110, 120, ...), and
not number them one right after the other (for example, 101, 102, 103, ...). This makes it easier to add a rule between
existing ones without having to renumber the rules.</p>
<p>After you add an entry, you can't modify it; you must either replace it, or create an entry and delete the old one.</p>
<p>For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in
the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "CreateNetworkAclEntryRequest",
  "xmlNamespace" : null
},
"name" : "CreateNetworkAclEntry",
"output" : null
},

"CreateNetworkInterface" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates a network interface in the specified subnet.</p>
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateNetworkInterfaceRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateNetworkInterface".
"CreatePlacementGroup": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a placement group that you launch cluster instances into. You must give the group a name that's unique within the scope of your account.</p> <p>For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "CreatePlacementGroupRequest",
    "xmlNamespace": null
  },
  "name": "CreatePlacementGroup",
  "output": null
},
"CreateReservedInstancesListing": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a listing for Amazon EC2 Standard Reserved Instances to be sold in the Reserved Instance Marketplace. You can submit one Standard Reserved Instance listing at a time. To get a list of your Standard Reserved Instances, you can use the <a>DescribeReservedInstances</a> operation.</p> <p>Only Standard Reserved Instances with a capacity reservation can be sold in the Reserved Instance Marketplace. Convertible Reserved Instances and Standard Reserved Instances with a regional benefit cannot be sold.</p> <p>The Reserved Instance Marketplace matches sellers who want to resell Standard Reserved Instance capacity that they no longer need with buyers who want to purchase additional capacity. Reserved Instances bought and sold through the Reserved Instance Marketplace work like any other Reserved Instances.</p> <p>To sell your Standard Reserved Instances, you must first register as a seller in the Reserved Instance Marketplace. After completing the registration process, you can create a Reserved Instance Marketplace listing of some or all of your Standard Reserved Instances, and specify the upfront price to receive for them. Your Standard Reserved Instance listings then become available for purchase. To view the details of your Standard Reserved Instance listing, you can use the <a>DescribeReservedInstancesListings</a> operation.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"
Reserved Instance Marketplace in the Amazon Elastic Compute Cloud User Guide.

You must specify one of the following targets: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection, network interface, or egress-only Internet gateway. When determining how to route traffic, we use the route with the most specific match. For example, traffic is destined for the IPv4 address 192.0.2.3, and the route table includes the following two IPv4 routes: (goes to some target A) (goes to some target B). Both routes apply to the traffic destined for 192.0.2.3. However, the second route in the list covers a smaller number of IP addresses and is therefore more specific, so we use that route to determine where to target the traffic. For more information about route tables, see Route Tables in the Amazon Virtual Private Cloud User Guide.
"name": "CreateRoute",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateRouteResult"
}
},
"CreateRouteTable": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a route table for the specified VPC. After you create a route table, you can add routes and associate the table with a subnet.</p> <p>For more information about route tables, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.</p>",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CreateRouteTableRequest",
  "xmlNamespace": null
},
"name": "CreateRouteTable",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateRouteTableResult"
}
},
"CreateSecurityGroup": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a security group.</p> <p>A security group is for use with instances either in the EC2-Classic platform or in a specific VPC. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-network-security.html">Amazon EC2 Security Groups</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt; and &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html">Security Groups for Your VPC</a> in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.</p> &lt;important&gt; &lt;p&gt;EC2-Classic: You can have up to 500 security groups.&lt;/p&gt; &lt;p&gt;EC2-VPC: You can create up to 500 security groups per
When you create a security group, you specify a friendly name of your choice. You can have a security group for use in EC2-Classic with the same name as a security group for use in a VPC. However, you can't have two security groups for use in EC2-Classic with the same name or two security groups for use in a VPC with the same name.

You have a default security group for use in EC2-Classic and a default security group for use in your VPC. If you don't specify a security group when you launch an instance, the instance is launched into the appropriate default security group. A default security group includes a default rule that grants instances unrestricted network access to each other.

You can add or remove rules from your security groups using `AuthorizeSecurityGroupIngress`, `AuthorizeSecurityGroupEgress`, `RevokeSecurityGroupIngress`, and `RevokeSecurityGroupEgress`.

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VPC. When you create a security group, you specify a friendly name of your choice. You can have a security group for use in EC2-Classic with the same name as a security group for use in a VPC. However, you can't have two security groups for use in EC2-Classic with the same name or two security groups for use in a VPC with the same name.

You have a default security group for use in EC2-Classic and a default security group for use in your VPC. If you don't specify a security group when you launch an instance, the instance is launched into the appropriate default security group. A default security group includes a default rule that grants instances unrestricted network access to each other.

You can add or remove rules from your security groups using `AuthorizeSecurityGroupIngress`, `AuthorizeSecurityGroupEgress`, `RevokeSecurityGroupIngress`, and `RevokeSecurityGroupEgress`.

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When a snapshot is created, any AWS Marketplace product codes that are associated with the source volume are propagated to the snapshot. You can take a snapshot of an attached volume that is in use. However, snapshots only capture data that has been written to your EBS volume at the time the snapshot command is issued; this may exclude any data that has been cached by any applications or the operating system. If you can pause any file systems on the volume long enough to take a snapshot, your snapshot should be complete. However, if you cannot pause all file writes to the volume, you should unmount the volume from within the instance, issue the snapshot command, and then remount the volume to ensure a consistent and complete snapshot. You may remount and use your volume while the snapshot status is `pending`. To create a snapshot for EBS volumes that serve as root devices, you should stop the instance before taking the snapshot. Snapshots that are taken from encrypted volumes are automatically encrypted. Volumes that are created from encrypted snapshots are also automatically encrypted. Your encrypted volumes and any associated snapshots always remain protected.

For more information, see [Amazon Elastic Block Storage](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AmazonEBS.html).
Amazon EBS Encryption in the Amazon Elastic Compute Cloud User Guide.

You can create one data feed per AWS account. For more information, see Amazon Elastic Compute Cloud User Guide.

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Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 10839
"CreateSubnet" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates a subnet in an existing VPC. <p> When you create each subnet, you provide
  the VPC ID and the CIDR block you want for the subnet. After you create a subnet, you can't change its CIDR
  block. The subnet's IPv4 CIDR block can be the same as the VPC's IPv4 CIDR block (assuming you want only a
  single subnet in the VPC), or a subset of the VPC's IPv4 CIDR block. If you create more than one subnet in a VPC,
  the subnets' CIDR blocks must not overlap. The smallest IPv4 subnet (and VPC) you can create uses a /28 netmask
  (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses).<p> If you've associated an
  IPv6 CIDR block with your VPC, you can create a subnet with an IPv6 CIDR block that uses a /64 prefix length.
</p> <important> AWS reserves both the first four and the last IP address in each subnet's CIDR block. They're
  not available for use.</important> If you add more than one subnet to a VPC, they're set up in a star
  topology with a logical router in the middle. If you launch an instance in a VPC using an Amazon EBS-
  backed AMI, the IP address doesn't change if you stop and restart the instance (unlike a similar instance launched
  outside a VPC, which gets a new IP address when restarted). It's therefore possible to have a subnet with no running
  instances (they're all stopped), but no remaining IP addresses available.<p> For more information about
  subnets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC
  and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateSubnetRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateSubnet",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "CreateSubnetResult"
  }
},
"CreateTags" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Adds or overwrites one or more tags for the specified Amazon EC2 resource or
  resources. Each resource can have a maximum of 50 tags. Each tag consists of a key and optional value. Tag keys
  must be unique per resource.</p> For more information about tags, see <a

Tagging Your Resources in the Amazon Elastic Compute Cloud User Guide. For more information about creating IAM policies that control users’ access to resources based on tags, see Supported Resource-Level Permissions for Amazon EC2 API Actions in the Amazon Elastic Compute Cloud User Guide.

Creating an EBS volume that can be attached to an instance in the same Availability Zone. The volume is created in the regional endpoint that you send the HTTP request to. For more information see Regions and Endpoints. You can create a new empty volume or restore a volume from an EBS snapshot. Any AWS Marketplace product codes from the snapshot are propagated to the volume. You can create encrypted volumes with the parameter. Encrypted volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are also automatically encrypted. For more information, see Amazon EBS Encryption in the Amazon Elastic Compute Cloud User Guide. You can create encrypted volumes with the parameter. Encrypted volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are also automatically encrypted. For more information, see Amazon Elastic Compute Cloud User Guide.
"name": "CreateVolume",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateVolumeResult"
}
},
"CreateVpc": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a VPC with the specified IPv4 CIDR block. The smallest VPC you can create uses a /28 netmask (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses). To help you decide how big to make your VPC, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html"&gt;Your VPC and Subnets&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;You can optionally request an Amazon-provided IPv6 CIDR block for the VPC. The IPv6 CIDR block uses a /56 prefix length, and is allocated from Amazon's pool of IPv6 addresses. You cannot choose the IPv6 range for your VPC.&lt;/p&gt; &lt;p&gt;By default, each instance you launch in the VPC has the default DHCP options, which includes only a default DNS server that we provide (AmazonProvidedDNS). For more information about DHCP options, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html"&gt;DHCP Options Sets&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;You can specify the instance tenancy value for the VPC when you create it. You can't change this value for the VPC after you create it. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-instance.html"&gt;Dedicated Instances&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&gt;",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "CreateVpcRequest",
    "xmlNamespace": null
  },
  "name": "CreateVpc",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "CreateVpcResult"
  }
},
"CreateVpcEndpoint": {
  "authorizer": null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Creates a VPC endpoint for a specified AWS service. An endpoint enables you to create
a private connection between your VPC and another AWS service in your account. You can specify an endpoint
policy to attach to the endpoint that will control access to the service from your VPC. You can also specify the VPC
route tables that use the endpoint.</p>
<p>Use <a>DescribeVpcEndpointServices</a> to get a list of supported
AWS services.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "CreateVpcEndpointRequest",
  "xmlNamespace" : null
},
"name" : "CreateVpcEndpoint",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "CreateVpcEndpointResult"
},
"CreateVpcPeeringConnection" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Requests a VPC peering connection between two VPCs: a requester VPC that you own
and a peer VPC with which to create the connection. The peer VPC can belong to another AWS account. The
requester VPC and peer VPC cannot have overlapping CIDR blocks.</p>
<p>The owner of the peer VPC must
accept the peering request to activate the peering connection. The VPC peering connection request expires after 7
days, after which it cannot be accepted or rejected.</p>
<p>A <code>CreateVpcPeeringConnection</code> request
between VPCs with overlapping CIDR blocks results in the VPC peering connection having a status of
<code>failed</code>.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "CreateVpcPeeringConnectionRequest"}
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"xmlNamespace": null
},
"name": "CreateVpcPeeringConnection",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateVpcPeeringConnectionResult"
}
},
"CreateVpnConnection": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a VPN connection between an existing virtual private gateway and a VPN customer gateway. The only supported connection type is <code>ipsec.1</code>. The response includes information that you need to give to your network administrator to configure your customer gateway.</p>

<important>
<p>We strongly recommend that you use HTTPS when calling this operation because the response contains sensitive cryptographic information for configuring your customer gateway.</p>
</important>

<p>If you decide to shut down your VPN connection for any reason and later create a new VPN connection, you must reconfigure your customer gateway with the new information returned from this call.</p>

<p>This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.</p>

For more information about VPN connections, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CreateVpnConnectionRequest",
  "xmlNamespace": null
},
"name": "CreateVpnConnection",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateVpnConnectionResult"
}
},
"CreateVpnConnectionRoute": {
  "authorizer": null,
  "authtype": "IAM",
"deprecated": false,
"documentation": "<p>Creates a static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p> For more information about VPN connections, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the Amazon Virtual Private Cloud User Guide.</p>","errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CreateVpnConnectionRouteRequest",
  "xmlNamespace": null
},
"name": "CreateVpnConnectionRoute",
"output": null
},
"CreateVpnGateway": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a virtual private gateway. A virtual private gateway is the endpoint on the VPC side of your VPN connection. You can create a virtual private gateway before creating the VPC itself.</p> For more information about virtual private gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the Amazon Virtual Private Cloud User Guide.
","errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CreateVpnGatewayRequest",
  "xmlNamespace": null
},
"name": "CreateVpnGateway",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateVpnGatewayResult"
"DeleteCustomerGateway" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified customer gateway. You must delete the VPN connection before you can delete the customer gateway.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteCustomerGatewayRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteCustomerGateway",
  "output" : null
},
"DeleteDhcpOptions" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified set of DHCP options. You must disassociate the set of DHCP options before you can delete it. You can disassociate the set of DHCP options by associating either a new set of options or the default set of options with the VPC.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteDhcpOptionsRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteDhcpOptions",
  "output" : null
},
"DeleteEgressOnlyInternetGateway" : {
  "authorizer" : null,
  "authtype" : "IAM",
"deprecated": false,
"documentation": "<p>Deletes an egress-only Internet gateway.</p>",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DeleteEgressOnlyInternetGatewayRequest",
  "xmlnsNamespace": null
},
"name": "DeleteEgressOnlyInternetGateway",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DeleteEgressOnlyInternetGatewayResult"
},

"DeleteFlowLogs": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Deletes one or more flow logs.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteFlowLogsRequest",
    "xmlnsNamespace": null
  },
  "name": "DeleteFlowLogs",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DeleteFlowLogsResult"
  }
},

"DeleteInternetGateway": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes the specified Internet gateway. You must detach the Internet gateway from the VPC before you can delete it.</p>",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DeleteInternetGatewayRequest",
  "xmlNamespace": null
},
"name": "DeleteInternetGateway",
"output": null
},
"DeleteKeyPair": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "$p>Deletes the specified key pair, by removing the public key from Amazon EC2.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteKeyPairRequest",
    "xmlNamespace": null
  },
  "name": "DeleteKeyPair",
  "output": null
},
"DeleteNatGateway": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Deletes the specified NAT gateway. Deleting a NAT gateway disassociates its Elastic IP address, but does not release the address from your account. Deleting a NAT gateway does not delete any NAT gateway routes in your route tables.</p>",
  "errors": null,
"DeleteNatGateway" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified nat gateway. You can't delete the nat gateway if it's associated with any subnets. You can't delete the default nat gateway.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteNatGatewayRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteNatGateway",
  "output" : null
},

"DeleteNetworkAcl" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified network acl. You can't delete the ACL if it's associated with any subnets. You can't delete the default network ACL.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteNetworkAclRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteNetworkAcl",
  "output" : null
},

"DeleteNetworkAclEntry" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified ingress or egress entry (rule) from the specified network ACL.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteNetworkAclEntryRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteNetworkAclEntry",
  "output" : null
}
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteNetworkAclEntryRequest",
 "xmlnsNamespace" : null
 },
 "name" : "DeleteNetworkAclEntry",
 "output" : null
 },
 "DeleteNetworkInterface" : {
 "authorizer" : null,
 "authType" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified network interface. You must detach the network interface before you can delete it.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteNetworkInterfaceRequest",
 "xmlnsNamespace" : null
 },
 "name" : "DeleteNetworkInterface",
 "output" : null
 },
 "DeletePlacementGroup" : {
 "authorizer" : null,
 "authType" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified placement group. You must terminate all instances in the placement group before you can delete the placement group. For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"name" : "DeleteRouteTable",
"output" : null
},
"DeleteSecurityGroup" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Deletes a security group.</p> <p>If you attempt to delete a security group that is associated with an instance, or is referenced by another security group, the operation fails with <code>InvalidGroup.InUse</code> in EC2-Classic or <code>DependencyViolation</code> in EC2-VPC.</p> ",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DeleteSecurityGroupRequest",
"xmlNamespace" : null
},
"name" : "DeleteSecurityGroup",
"output" : null
},
"DeleteSnapshot" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Deletes the specified snapshot.</p> <p>When you make periodic snapshots of a volume, the snapshots are incremental, and only the blocks on the device that have changed since your last snapshot are saved in the new snapshot. When you delete a snapshot, only the data not needed for any other snapshot is removed. So regardless of which prior snapshots have been deleted, all active snapshots will have access to all the information needed to restore the volume.</p> <p>You cannot delete a snapshot of the root device of an EBS volume used by a registered AMI. You must first de-register the AMI before you can delete the snapshot.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-deleting-snapshot.html">Deleting an Amazon EBS Snapshot</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DeleteSnapshotRequest",
"xmlNamespace" : null
}
"xmlNamespace": null,
},
"name": "DeleteSnapshot",
"output": null
},
"DeleteSpotDatafeedSubscription": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes the data feed for Spot instances.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteSpotDatafeedSubscriptionRequest",
"xmlNamespace": null
},
"name": "DeleteSpotDatafeedSubscription",
"output": null
},
"DeleteSubnet": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes the specified subnet. You must terminate all running instances in the subnet before you can delete the subnet.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteSubnetRequest",
"xmlNamespace": null
},
"name": "DeleteSubnet",
"output": null
},
"DeleteTags": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "Deletes the specified set of tags from the specified set of resources. This call is designed to follow a <code>DescribeTags</code> request. For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DeleteTagsRequest",
  "xmlNamespace": null
},
"name": "DeleteTags",
"output": null
},
"DeleteVolume": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Deletes the specified EBS volume. The volume must be in the <code>available</code> state (not attached to an instance). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-deleting-volume.html">Deleting an Amazon EBS Volume</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteVolumeRequest",
    "xmlNamespace": null
  },
  "name": "DeleteVolume",
  "output": null
},
"DeleteVpc": {
"deprecated": false,
"documentation": "<p>Deletes the specified VPC. You must detach or delete all gateways and resources that are associated with the VPC before you can delete it. For example, you must terminate all instances running in the VPC, delete all security groups associated with the VPC (except the default one), delete all route tables associated with the VPC (except the default one), and so on.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteVpcRequest",
"xmlNamespace": null
},
"name": "DeleteVpc",
"output": null
},
"DeleteVpcEndpoints": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes one or more specified VPC endpoints. Deleting the endpoint also deletes the endpoint routes in the route tables that were associated with the endpoint.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteVpcEndpointsRequest",
"xmlNamespace": null
},
"name": "DeleteVpcEndpoints",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DeleteVpcEndpointsResult"
}
},
"DeleteVpcPeeringConnection": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes the VPC peering connection between the specified VPCs. Before you can delete a VPC peering connection, you must first detach all routes from the route tables associated with the VPC peering connection. You cannot detach or delete routes from the default route table. For example, you must detach or delete all routes from the route table associated with the VPC before you can delete the VPC peering connection. You must also detach or delete all routes from the route table associated with the other VPC that is part of the VPC peering connection before you can delete the VPC peering connection. For
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteVpcPeeringConnectionRequest",
"xmlNamespace": null
},
"name": "DeleteVpcPeeringConnection",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DeleteVpcPeeringConnectionResult"
}
}
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes a VPC peering connection. Either the owner of the requester VPC or the owner of the peer VPC can delete the VPC peering connection if it's in the <code>active</code> state. The owner of the requester VPC can delete a VPC peering connection in the <code>pending-acceptance</code> state. </p>",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DeleteVpcPeeringConnectionRequest",
  "xmlNamespace": null
},
"name": "DeleteVpcPeeringConnection",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DeleteVpcPeeringConnectionResult"
},
"DeleteVpnConnection": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Deletes the specified VPN connection.</p> <p>If you're deleting the VPC and its associated components, we recommend that you detach the virtual private gateway from the VPC and delete the VPC before deleting the VPN connection. If you believe that the tunnel credentials for your VPN connection have been compromised, you can delete the VPN connection and create a new one that has new keys, without needing to delete the VPC or virtual private gateway. If you create a new VPN connection, you must reconfigure the customer gateway using the new configuration information returned with the new VPN connection ID.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteVpnConnectionRequest",
    "xmlNamespace": null
  },
  "name": "DeleteVpnConnection"}
"output" : null
},
"DeleteVpnConnectionRoute" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteVpnConnectionRouteRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteVpnConnectionRoute",
  "output" : null
},
"DeleteVpnGateway" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified virtual private gateway. We recommend that before you delete a virtual private gateway, you detach it from the VPC and delete the VPN connection. Note that you don't need to delete the virtual private gateway if you plan to delete and recreate the VPN connection between your VPC and your network.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteVpnGatewayRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteVpnGateway",
  "output" : null
},
"DeregisterImage" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Deregisters the specified AMI. After you deregister an AMI, it can't be used to launch new instances.</p>  
This command does not delete the AMI."
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DeregisterImageRequest",
  "xmlNamespace" : null
},
"name" : "DeregisterImage",
"output" : null
},
"DescribeAccountAttributes" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes attributes of your AWS account. The following are the supported account attributes: </p>  
<ul>  
<li> <p> <code>supported-Platforms</code>: Indicates whether your account can launch instances into EC2-Classic and EC2-VPC, or only into EC2-VPC. </p>  
</li>  
<li> <p> <code>default-VPC</code>: The ID of the default VPC for your account, or <code>none</code>. </p>  
</li>  
<li> <p> <code>max-instances</code>: The maximum number of On-Demand instances that you can run. </p>  
</li>  
<li> <p> <code>max-security-groups-per-interface</code>: The maximum number of security groups that you can assign to a network interface. </p>  
</li>  
<li> <p> <code>vpc-max-elastic-ips</code>: The maximum number of Elastic IP addresses that you can allocate for use with EC2-Classic. </p>  
</li>  
<li> <p> <code>vpc-max-elastic-ips</code>: The maximum number of Elastic IP addresses that you can allocate for use with EC2-VPC. </p>  
</li>  
</ul>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeAccountAttributesRequest",
  "xmlNamespace" : null
},
"name" : "DescribeAccountAttributes",
"output" : {
  "documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeAccountAttributesResult"
}
,
"DescribeAddresses" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of your Elastic IP addresses. An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeAddressesRequest",
"xmlNamespace" : null
},
"name" : "DescribeAddresses",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeAddressesResult"
}
,
"DescribeAvailabilityZones" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of the Availability Zones that are available to you. The results include zones only for the region you're currently using. If there is an event impacting an Availability Zone, you can use this request to view the state and any provided message for that Availability Zone. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html">Regions and Availability Zones</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
}.}
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeAvailabilityZonesRequest",
  "xmlNamespace" : null
},
"name" : "DescribeAvailabilityZones",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeAvailabilityZonesResult"
}
},
"DescribeBundleTasks" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes one or more of your bundling tasks."<p> Completed bundle tasks are listed for only a limited time. If your bundle task is no longer in the list, you can still register an AMI from it. Just use <code>RegisterImage</code> with the Amazon S3 bucket name and image manifest name you provided to the bundle task.</p> "\n  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeBundleTasksRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeBundleTasks",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeBundleTasksResult"
  }
},
"DescribeClassicLinkInstances" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes one or more of your linked EC2-Classic instances. This request only returns information about EC2-Classic instances linked to a VPC through ClassicLink; you cannot use this request to return
information about other instances.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeClassicLinkInstancesRequest",
  "xmlNamespace" : null
},
"name" : "DescribeClassicLinkInstances",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeClassicLinkInstancesResult"
}
},
"DescribeConversionTasks" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your conversion tasks. For more information, see the <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/">VM Import/Export User Guide</a>.</p> For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeConversionTasksRequest",
  "xmlNamespace" : null
},
"name" : "DescribeConversionTasks",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeConversionTasksResult"
"DescribeCustomerGateways" : {
    "authorizer": null,
    "authtype": "IAM",
    "deprecated": false,
    "documentation": "Describes one or more of your VPN customer gateways.<p>For more information about VPN customer gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
    "errors": null,
    "http": {
        "method": "POST",
        "requestUri": "/",
        "responseCode": null
    },
    "input": {
        "documentation": null,
        "locationName": null,
        "shape": "DescribeCustomerGatewaysRequest",
        "xmlNamespace": null
    },
    "name": "DescribeCustomerGateways",
    "output": {
        "documentation": null,
        "locationName": null,
        "resultWrapper": null,
        "shape": "DescribeCustomerGatewaysResult"
    }
},
"DescribeDhcpOptions" : {
    "authorizer": null,
    "authtype": "IAM",
    "deprecated": false,
    "documentation": "Describes one or more of your DHCP options sets.<p>For more information about DHCP options sets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
    "errors": null,
    "http": {
        "method": "POST",
        "requestUri": "/",
        "responseCode": null
    },
    "input": {
        "documentation": null,
        "locationName": null,
        "shape": "DescribeDhcpOptionsRequest"
"xmlNamespace":null,
"name": "DescribeDhcpOptions",
"output": {
  "documentation":null,
  "locationName":null,
  "resultWrapper":null,
  "shape": "DescribeDhcpOptionsResult"
}
},
"DescribeEgressOnlyInternetGateways": {
  "authorizer":null,
  "authType": "IAM",
  "deprecated":false,
  "documentation": "<p>Describes one or more of your egress-only Internet gateways.</p>",
  "errors":null,
  "http":{
    "method": "POST",
    "requestUri": "/",
    "responseCode":null
  },
  "input":{
    "documentation":null,
    "locationName":null,
    "shape": "DescribeEgressOnlyInternetGatewaysRequest",
    "xmlNamespace":null
  },
  "name": "DescribeEgressOnlyInternetGateways",
  "output":{
    "documentation":null,
    "locationName":null,
    "resultWrapper":null,
    "shape": "DescribeEgressOnlyInternetGatewaysResult"
  }
},
"DescribeExportTasks": {
  "authorizer":null,
  "authType": "IAM",
  "deprecated":false,
  "documentation": "<p>Describes one or more of your export tasks.</p>",
  "errors":null,
  "http":{
    "method": "POST",
    "requestUri": "/",
    "responseCode":null
  },
  "input":{
    "documentation":null,
"locationName" : null,
"shape" : "DescribeExportTasksRequest",
"xmlNamespace" : null
},
"name" : "DescribeExportTasks",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeExportTasksResult"
}
},
"DescribeFlowLogs" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Describes one or more flow logs. To view the information in your flow logs (the log streams for the network interfaces), you must use the CloudWatch Logs console or the CloudWatch Logs API.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeFlowLogsRequest",
 "xmlNamespace" : null
 },
 "name" : "DescribeFlowLogs",
 "output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeFlowLogsResult"
 }
},
"DescribeHostReservationOfferings" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Describes the Dedicated Host Reservations that are available to purchase.</p> <p>The results describe all the Dedicated Host Reservation offerings, including offerings that may not match the instance family and region of your Dedicated Hosts. When purchasing an offering, ensure that the the instance family and region of the offering matches that of the Dedicated Host/s it will be associated with. For an overview of supported instance types, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-hosts-
"errors" : null,
"http" : { 
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : { 
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeHostReservationOfferingsRequest",
  "xmlNamespace" : null
},
"name" : "DescribeHostReservationOfferings",
"output" : { 
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeHostReservationOfferingsResult"
}
},
"DescribeHostReservations" : { 
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes Dedicated Host Reservations which are associated with Dedicated Hosts in your account.</p>",
  "errors" : null,
  "http" : { 
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : { 
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeHostReservationsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeHostReservations",
  "output" : { 
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeHostReservationsResult"
  }
},
"DescribeHosts" : { 
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Dedicated Hosts Overview</p> in the <i>Amazon Elastic Compute Cloud User Guide</i>. 
  <p>
  "errors" : null,
  "http" : { 
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : { 
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeHostOfferingsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeHostOfferings",
  "output" : { 
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeHostOfferingsResult"
  }
}
The results describe only the Dedicated Hosts in the region you're currently using. All listed instances consume capacity on your Dedicated Host. Dedicated Hosts that have recently been released will be listed with the state `<code>released</code>`.

```json
"name" : "DescribeHosts",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeHostsResult"
}

"name" : "DescribeIamInstanceProfileAssociations",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeIamInstanceProfileAssociationsResult"
}
```

Describes one or more of your Dedicated Hosts.

Describes your IAM instance profile associations.
"shape" : "DescribeIamInstanceProfileAssociationsResult"
}

"DescribeIdFormat" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes the ID format settings for your resources on a per-region basis, for example, to view which resource types are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types.</p> <p>The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. </p> <p>These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.</p>"
},

"errors" : null,

"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},

"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeIdFormatRequest",
  "xmlNamespace" : null
},

"name" : "DescribeIdFormat",

"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeIdFormatResult"
}

"DescribeIdentityIdFormat" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes the ID format settings for resources for the specified IAM user, IAM role, or root user. For example, you can view the resource types that are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p> <p>The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. </p> <p>These settings apply to the principal specified in the request. They do not apply to the principal that makes the
request.</p>

"errors" : null,

"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},

"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeIdentityIdFormatRequest",
  "xmlnsNamespace" : null
},

"name" : "DescribeIdentityIdFormat",

"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeIdentityIdFormatResult"
}
},

"DescribeImageAttribute" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes the specified attribute of the specified AMI. You can specify only one attribute at a time."",

"errors" : null,

"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},

"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeImageAttributeRequest",
  "xmlnsNamespace" : null
},

"name" : "DescribeImageAttribute",

"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeImageAttributeResult"
}
}

"DescribeImages" : {


"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of the images (AMIs, AKIs, and ARIs) available to you. Images available to you include public images, private images that you own, and private images owned by other AWS accounts but for which you have explicit launch permissions.</p> <note> <p>Deregistered images are included in the returned results for an unspecified interval after deregistration.</p> </note>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeImagesRequest",
  "xmlNamespace" : null
},
"name" : "DescribeImages",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeImagesResult"
}
},
"DescribeImportImageTasks" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Displays details about an import virtual machine or import snapshot tasks that are already created.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeImportImageTasksRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeImportImageTasks",
  "output" : {
    "documentation" : null,

---

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"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeImportImageTasksResult"
}
},
"DescribeImportSnapshotTasks" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes your import snapshot tasks.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeImportSnapshotTasksRequest",
"xmlNamespace" : null
},
"name" : "DescribeImportSnapshotTasks",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeImportSnapshotTasksResult"
}
},
"DescribeInstanceAttribute" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes the specified attribute of the specified instance. You can specify only one attribute at a time. Valid attribute values are: <code>instanceType</code> | <code>kernel</code> | <code>ramdisk</code> | <code>userData</code> | <code>disableApiTermination</code> | <code>instanceInitiatedShutdownBehavior</code> | <code>rootDeviceName</code> | <code>blockDeviceMapping</code> | <code>productCodes</code> | <code>sourceDestCheck</code> | <code>groupSet</code> | <code>ebsOptimized</code> | <code>sriovNetSupport</code>
</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"locationName" : null,
"shape" : "DescribeInstanceAttributeRequest",
"xmlNamespace" : null
},
"name" : "DescribeInstanceAttribute",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeInstanceAttributeResult"
}
},
"DescribeInstanceStatus" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes the status of one or more instances. By default, only running instances are described, unless specified otherwise.</p> <p>Instance status includes the following components:</p> <ul>
  <li><p><b>Scheduled events</b> - Amazon EC2 can schedule events (such as reboot, stop, or terminate) for your instances related to hardware issues, software updates, or system maintenance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-instances-status-check_sched.html">Scheduled Events for Your Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p></li>
  <li><p><b>Instance state</b> - You can manage your instances from the moment you launch them through their termination. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p></li>
</ul>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeInstanceStatusRequest",
  "xmlNamespace" : null
},
"name" : "DescribeInstanceStatus",
"output" : {
  "documentation" : null,
  "locationName" : null,
Describes one or more of your instances. If you specify one or more instance IDs, Amazon EC2 returns information for those instances. If you do not specify instance IDs, Amazon EC2 returns information for all relevant instances. If you specify an instance ID that is not valid, an error is returned. If you specify an instance that you do not own, it is not included in the returned results. Recently terminated instances might appear in the returned results. This interval is usually less than one hour. If you describe instances in the rare case where an Availability Zone is experiencing a service disruption and you specify instance IDs that are in the affected zone, or do not specify any instance IDs at all, the call fails. If you describe instances and specify only instance IDs that are in an unaffected zone, the call works normally.

If you describe instances and specify only instance IDs that are in an unaffected zone, the call works normally.

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"documentation" : null,
"locationName" : null,
"shape" : "DescribeInternetGatewaysRequest",
"xmlNamespace" : null
},
"name" : "DescribeInternetGateways",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeInternetGatewaysResult"
 }
},
"DescribeKeyPairs" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Describes one or more of your key pairs. For more information about key pairs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the Amazon Elastic Compute Cloud User Guide</p>.
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeKeyPairsRequest",
 "xmlNamespace" : null
 },
 "name" : "DescribeKeyPairs",
 "output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeKeyPairsResult"
 }
},

"DescribeMovingAddresses" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Describes your Elastic IP addresses that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other Elastic IP addresses in your account.</p>",
 "errors" : null,
}
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeMovingAddressesRequest",
  "xmlNamespace": null
},
"name": "DescribeMovingAddresses",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeMovingAddressesResult"
},
"DescribeNatGateways": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes one or more of the your NAT gateways.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeNatGatewaysRequest",
    "xmlNamespace": null
  },
  "name": "DescribeNatGateways",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeNatGatewaysResult"
  }
},
"DescribeNetworkAcls": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
Describes one or more of your network ACLs.

For more information about network ACLs, see Amazon Virtual Private Cloud User Guide.

Describes a network interface attribute. You can specify only one attribute at a time.

Describes a network interface attribute.
"DescribeNetworkInterfaces" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your network interfaces.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DescribeNetworkInterfacesRequest",
        "xmlNamespace" : null
    },
    "name" : "DescribeNetworkInterfaces",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "DescribeNetworkInterfacesResult"
    }
},

"DescribePlacementGroups" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your placement groups. For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DescribePlacementGroupsRequest",
        "xmlNamespace" : null
    },
    "name" : "DescribePlacementGroups",
}

"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeRegionsRequest",
  "xmlNamespace": null
},
"name": "DescribeRegions",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeRegionsResult"
}
},
"DescribeReservedInstances": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Describes one or more of the Reserved Instances that you purchased. For more information about Reserved Instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts-on-demand-reserved-instances.html">Reserved Instances</a> in the Amazon Elastic Compute Cloud User Guide.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeReservedInstancesRequest",
    "xmlNamespace": null
  },
  "name": "DescribeReservedInstances",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeReservedInstancesResult"
  }
},
"DescribeReservedInstancesListings": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Describes your account's Reserved Instance listings in the Reserved Instance Marketplace. The Reserved Instance Marketplace matches sellers who want to resell Reserved Instance
capacity that they no longer need with buyers who want to purchase additional capacity. Reserved Instances bought and sold through the Reserved Instance Marketplace work like any other Reserved Instances. As a seller, you choose to list some or all of your Reserved Instances, and you specify the upfront price to receive for them. Your Reserved Instances are then listed in the Reserved Instance Marketplace and are available for purchase. As a buyer, you specify the configuration of the Reserved Instance to purchase, and the Marketplace matches what you're searching for with what's available. The Marketplace first sells the lowest priced Reserved Instances to you, and continues to sell available Reserved Instance listings to you until your demand is met. You are charged based on the total price of all of the listings that you purchase. For more information, see "Reserved Instance Marketplace" in the Amazon Elastic Compute Cloud User Guide.

"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeReservedInstancesListingsRequest",
  "xmlNamespace": null
},
"name": "DescribeReservedInstancesListings",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeReservedInstancesListingsResult"
}
,"DescribeReservedInstancesModifications": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "Describes the modifications made to your Reserved Instances. If no parameter is specified, information about all your Reserved Instances modification requests is returned. If a modification ID is specified, only information about the specific modification is returned. For more information, see "Modifying Reserved Instances" in the Amazon Elastic Compute Cloud User Guide.

"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
"shape": "DescribeReservedInstancesModificationsRequest",
"xmlNamespace": null
},
"name": "DescribeReservedInstancesModifications",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeReservedInstancesModificationsResult"
}
},
"DescribeReservedInstancesOfferings": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "Describes Reserved Instance offerings that are available for purchase. With Reserved Instances, you purchase the right to launch instances for a period of time. During that time period, you do not receive insufficient capacity errors, and you pay a lower usage rate than the rate charged for On-Demand instances for the actual time used.
If you have listed your own Reserved Instances for sale in the Reserved Instance Marketplace, they will be excluded from these results. This is to ensure that you do not purchase your own Reserved Instances.
For more information, see Amazon Elastic Compute Cloud User Guide in the Reserved Instance Marketplace.
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeReservedInstancesOfferingsRequest",
"xmlNamespace": null
},
"name": "DescribeReservedInstancesOfferings",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeReservedInstancesOfferingsResult"
}
},
"DescribeRouteTables": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "Describes one or more of your route tables.
Each subnet in your VPC must be
associated with a route table. If a subnet is not explicitly associated with any route table, it is implicitly associated with the main route table. This command does not return the subnet ID for implicit associations.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the Amazon Virtual Private Cloud User Guide.</p>";

"errors" : null,
"http" : {
   "method" : "POST",
   "requestUri" : "/",
   "responseCode" : null
},
"input" : {
   "documentation" : null,
   "locationName" : null,
   "shape" : "DescribeRouteTablesRequest",
   "xmlns" : null
},
"name" : "DescribeRouteTables",
"output" : {
   "documentation" : null,
   "locationName" : null,
   "result" : null,
   "shape" : "DescribeRouteTablesResult"
},

"DescribeScheduledInstanceAvailability" : {
   "authorizer" : null,
   "authType" : "IAM",
   "deprecated" : false,
   "documentation" : "Finds available schedules that meet the specified criteria. You can search for an available schedule no more than 3 months in advance. You must meet the minimum required duration of 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours. After you find a schedule that meets your needs, call <a>PurchaseScheduledInstances</a> to purchase Scheduled Instances with that schedule.
";

"errors" : null,
"http" : {
   "method" : "POST",
   "requestUri" : "/",
   "responseCode" : null
},
"input" : {
   "documentation" : null,
   "locationName" : null,
   "shape" : "DescribeScheduledInstanceAvailabilityRequest",
   "xmlns" : null
},
"name" : "DescribeScheduledInstanceAvailability",
"output" : {
   "documentation" : null,
   "locationName" : null,
   "shape" : "DescribeScheduledInstanceAvailabilityResult"
},
"result" : null,
"resultWrapper" : null,
"shape" : "DescribeScheduledInstanceAvailabilityResult"}
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeScheduledInstanceAvailabilityResult"
}
},
"DescribeScheduledInstances" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of your Scheduled Instances.</p>",
"errors" : null,
"http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeScheduledInstancesRequest",
 "xmlNamespace" : null
 },
"name" : "DescribeScheduledInstances",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeScheduledInstancesResult"
 }
},
"DescribeSecurityGroupReferences" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC only] Describes the VPCs on the other side of a VPC peering connection that are referencing the security groups you've specified in this request.</p>",
"errors" : null,
"http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeSecurityGroupReferencesRequest",
 "xmlNamespace" : null
}
"DescribeSecurityGroupReferences" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes the specified attribute of the specified snapshot. You can specify only one
attribute at a time.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeSecurityGroupReferencesRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeSecurityGroupReferences",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeSecurityGroupReferencesResult"
  }
},
"DescribeSecurityGroups" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes one or more of your security groups.
A security group is for use with instances either in the EC2-Classic platform or in a specific VPC. For more
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeSecurityGroupsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeSecurityGroups",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeSecurityGroupsResult"
  }
}
Describe one or more of the EBS snapshots available to you. Available snapshots include public snapshots available for any AWS account to launch, private snapshots that you own, and private snapshots owned by another AWS account but for which you've been given explicit create volume permissions. The create volume permissions fall into the following categories:

- **public**: The owner of the snapshot granted create volume permissions for the snapshot to the <code>all</code> group. All AWS accounts have create volume permissions for these snapshots.
- **explicit**: The owner of the snapshot granted create volume permissions to a specific AWS account.
- **implicit**: An AWS account has implicit create volume permissions for all snapshots it owns.

The list of snapshots returned can be modified by specifying snapshot IDs, snapshot owners, or AWS accounts with create volume permissions. If no options are specified, Amazon EC2 returns all snapshots for which you have create volume permissions.

If you specify one or more snapshot IDs, only snapshots that have the specified IDs are returned. If you specify an invalid snapshot ID, an error is returned. If you specify a snapshot ID for which you do not have access, it is not included in the returned results.

If you specify one or more snapshot owners using the <code>OwnerIds</code> option, only snapshots from the specified owners and for which you have access are returned. The results can include the AWS account IDs of the specified owners, <code>amazon</code> for snapshots owned by Amazon, or <code>self</code> for snapshots that you own.

If you specify a list of restorable users, only snapshots with create snapshot permissions for those users are returned. You can specify AWS account IDs (if you own the snapshots), <code>self</code> for snapshots which you own or have explicit permissions, or <code>all</code> for public snapshots.

If you are describing a long list of snapshots, you can paginate the output to make the list more manageable. The <code>MaxResults</code> parameter sets the maximum number of results returned in a single page. If the list of results exceeds your <code>MaxResults</code> value, then that number of results is returned along with a <code>NextToken</code> value that can be passed to a subsequent <code>DescribeSnapshots</code> request to retrieve the remaining results.

For more information about EBS snapshots, see "Amazon EBS Snapshots."

A link to Amazon EBS Snapshots is included in the text: "http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSSnapshots.html"
in the <i>Amazon Elastic Compute Cloud User Guide</i>. 

"errors" : null,
"http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeSnapshotsRequest",
 "xmlNamespace" : null
 },
"name" : "DescribeSnapshots",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeSnapshotsResult"
 }
},
"DescribeSpotDatafeedSubscription" : {
 "authorizer" : null,
 "authType" : "IAM",
 "deprecated" : false,
,"errors" : null,
"http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeSpotDatafeedSubscriptionRequest",
 "xmlNamespace" : null
 },
"name" : "DescribeSpotDatafeedSubscription",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeSpotDatafeedSubscriptionResult"
 }
}
"DescribeSpotFleetInstances" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Describes the running instances for the specified Spot fleet.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DescribeSpotFleetInstancesRequest",
        "xmlnsNamespace" : null
    },
    "name" : "DescribeSpotFleetInstances",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "DescribeSpotFleetInstancesResponse"
    }
},

"DescribeSpotFleetRequestHistory" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Describes the events for the specified Spot fleet request during the specified time.</p>
<p>Spot fleet events are delayed by up to 30 seconds before they can be described. This ensures that you can query the last evaluated time and not miss a recorded event.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DescribeSpotFleetRequestHistoryRequest",
        "xmlnsNamespace" : null
    },
    "name" : "DescribeSpotFleetRequestHistory",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "DescribeSpotFleetRequestHistoryResponse"
    }
}
"resultWrapper" : null,
"shape" : "DescribeSpotFleetRequestHistoryResponse"
}
",
"DescribeSpotFleetRequests" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes your Spot fleet requests. Spot fleet requests are deleted 48 hours after they are canceled and their instances are terminated.",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeSpotFleetRequestsRequest",
"xmlNamespace" : null
},
"name" : "DescribeSpotFleetRequests",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeSpotFleetRequestsResponse"
}
",
"DescribeSpotInstanceRequests" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes the Spot instance requests that belong to your account. Spot instances are instances that Amazon EC2 launches when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot instance capacity and current Spot instance requests. For more information, see Spot Instance Requests in the Amazon Elastic Compute Cloud User Guide. You can use DescribeSpotInstanceRequests to find a running Spot instance by examining the response. If the status of the Spot instance is fulfilled, the instance ID appears in the response and contains the identifier of the instance. Alternatively, you can use DescribeInstances with a filter to look for instances where the instance lifecycle is spot. Spot instance requests are deleted 4 hours after they are canceled and their instances are terminated.",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
}
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeSpotInstanceRequestsRequest",
 "xmlNamespace" : null
 },
"name" : "DescribeSpotInstanceRequests",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeSpotInstanceRequestsResult"
}
},
"DescribeSpotPriceHistory" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Describes the Spot price history. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-spot-instances-history.html">Spot Instance Pricing History</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>When you specify a start and end time, this operation returns the prices of the instance types within the time range that you specified and the time when the price changed. The price is valid within the time period that you specified; the response merely indicates the last time that the price changed.<p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeSpotPriceHistoryRequest",
 "xmlNamespace" : null
 },
 "name" : "DescribeSpotPriceHistory",
 "output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeSpotPriceHistoryResult"
 }
},
"DescribeStaleSecurityGroups" : {
 "authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "\n[EC2-VPC only] Describes the stale security group rules for security groups in a specified VPC. Rules are stale when they reference a deleted security group in a peer VPC, or a security group in a peer VPC for which the VPC peering connection has been deleted.\n\n"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeStaleSecurityGroupsRequest",
  "xmlNamespace" : null
},
"name" : "DescribeStaleSecurityGroups",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeStaleSecurityGroupsResult"
}
},
"DescribeSubnets" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes one or more of your subnets. For more information about subnets, see Your VPC and Subnets in the Amazon Virtual Private Cloud User Guide."
},
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeSubnetsRequest",
  "xmlNamespace" : null
},
"name" : "DescribeSubnets",
"output" : {
  "documentation" : null,
  "locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeSubnetsResult"
}

"DescribeTags" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes one or more of the tags for your EC2 resources. For more information about tags, see Tagging Your Resources in the Amazon Elastic Compute Cloud User Guide."
,
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeTagsRequest",
"xmlNamespace" : null
},
"name" : "DescribeTags",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeTagsResult"
}
},

"DescribeVolumeAttribute" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes the specified attribute of the specified volume. You can specify only one attribute at a time. For more information about EBS volumes, see Amazon EBS Volumes in the Amazon Elastic Compute Cloud User Guide."
,
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVolumeAttributeRequest",
"xmlNamespace" : null
},
"name" : "DescribeVolumeAttribute",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeVolumeAttributeResult"
}
},
"DescribeVolumeStatus" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes the status of the specified volumes. Volume status provides the result of the checks performed on your volumes to determine events that can impair the performance of your volumes. The performance of a volume can be affected if an issue occurs on the volume's underlying host. If the volume's underlying host experiences a power outage or system issue, after the system is restored, there could be data inconsistencies on the volume. Volume events notify you if this occurs. Volume actions notify you if any action needs to be taken in response to the event. </p> <p>The <code>DescribeVolumeStatus</code> operation provides the following information about the specified volumes:</p> <p><i>Status</i>: Reflects the current status of the volume. The possible values are <code>ok</code>, <code>impaired</code>, <code>warning</code>, or <code>insufficient-data</code>. If all checks pass, the overall status of the volume is <code>ok</code>. If the check fails, the overall status is <code>impaired</code>. If the status is <code>insufficient-data</code>, then the checks may still be taking place on your volume at the time. We recommend that you retry the request. For more information on volume status, see [Monitoring the Status of Your Volumes](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-volume-status.html). </p> <p><i>Events</i>: Reflect the cause of a volume status and may require you to take action. For example, if your volume returns an <code>impaired</code> status, then the volume event might be <code>potential-data-inconsistency</code>. This means that your volume has been affected by an issue with the underlying host, has all I/O operations disabled, and may have inconsistent data. </p> <p><i>Actions</i>: Reflect the actions you may have to take in response to an event. For example, if the status of the volume is <code>impaired</code> and the volume event shows <code>potential-data-inconsistency</code>, then the action shows <code>enable-volume-io</code>. This means that you may want to enable the I/O operations for the volume by calling the <a>EnableVolumeIO</a> action and then check the volume for data consistency. </p> <p><i>Note</i>: Volume status is based on the volume status checks, and does not reflect the volume state. Therefore, volume status does not indicate volumes in the <code>error</code> state (for example, when a volume is incapable of accepting I/O.).</p>

"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeVolumeStatusRequest"
"xmlNamespace" : null
},
"name" : "DescribeVolumeStatus",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeVolumeStatusResult"
}
},
"DescribeVolumes" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Describes the specified EBS volumes.</p> <p>If you are describing a long list of volumes, you can paginate the output to make the list more manageable. The <code>MaxResults</code> parameter sets the maximum number of results returned in a single page. If the list of results exceeds your <code>MaxResults</code> value, then that number of results is returned along with a <code>NextToken</code> value that can be passed to a subsequent <code>DescribeVolumes</code> request to retrieve the remaining results.</p> <p>For more information about EBS volumes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumes.html">Amazon EBS Volumes</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
    "errors" : null,
    "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
    },
    "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeVolumesRequest",
    "xmlNamespace" : null
    },
    "name" : "DescribeVolumes",
    "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeVolumesResult"
    }
},
"DescribeVolumesModifications" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Reports the current modification status of EBS volumes.</p> <p>Current-generation EBS volumes support modification of attributes including type, size, and (for <code>io1</code> volumes) IOPS
provisioning while either attached to or detached from an instance. Following an action from the API or the console to modify a volume, the status of the modification may be <code>modifying</code>, <code>optimizing</code>, <code>completed</code>, or <code>failed</code>. If a volume has never been modified, then certain elements of the returned <code>VolumeModification</code> objects are null.  

You can also use CloudWatch Events to check the status of a modification to an EBS volume. For information about CloudWatch Events, see the Amazon CloudWatch Events User Guide. For more information, see Monitoring Volume Modifications.  

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeVolumesModificationsRequest",
  "xmlnsNamespace": null
},
"name": "DescribeVolumesModifications",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeVolumesModificationsResult"
}
},
"DescribeVpcAttribute": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "Describes the specified attribute of the specified VPC. You can specify only one attribute at a time."
},
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeVpcAttributeRequest",
  "xmlnsNamespace": null
},
"name": "DescribeVpcAttribute",
```
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeVpcClassicLinkDnsSupportRequest",
  "xmlNamespace": null
},
"name": "DescribeVpcClassicLinkDnsSupport",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeVpcClassicLinkDnsSupportResult"
}
},
"DescribeVpcEndpointServices": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes all supported AWS services that can be specified when creating a VPC endpoint.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeVpcEndpointServicesRequest",
    "xmlNamespace": null
  },
  "name": "DescribeVpcEndpointServices",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeVpcEndpointServicesResult"
  }
},
"DescribeVpcEndpoints": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes one or more of your VPC endpoints.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "",
    "responseCode": null
  }
}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeVpcEndpointsRequest",
 "xmlNamespace" : null
 },
"name" : "DescribeVpcEndpoints",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeVpcEndpointsResult"
 }
},

"DescribeVpcPeeringConnections" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "Describes one or more of your VPC peering connections.\n",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeVpcPeeringConnectionsRequest",
 "xmlNamespace" : null
 },
 "name" : "DescribeVpcPeeringConnections",
 "output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeVpcPeeringConnectionsResult"
 }
},

"DescribeVpcs" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "Describes one or more of your VPCs.\n",
 "errors" : null,
"http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
},
"input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeVpcsRequest",
    "xmlNamespace" : null
},
"name" : "DescribeVpcs",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeVpcsResult"
}
},
"DescribeVpnConnections" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your VPN connections.</p> <p>For more information about VPN connections, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>.
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DescribeVpnConnectionsRequest",
        "xmlNamespace" : null
    },
    "name" : "DescribeVpnConnections",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "DescribeVpnConnectionsResult"
    }
},
"DescribeVpnGateways" : {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "Describes one or more of your virtual private gateways. For more information about virtual private gateways, see Adding an IPsec Hardware VPN to Your VPC in the Amazon Virtual Private Cloud User Guide.",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeVpnGatewaysRequest",
  "xmlNamespace": null
},
"name": "DescribeVpnGateways",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeVpnGatewaysResult"
},
"DetectionClassicLinkVpc": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Unlinks (detaches) a linked EC2-Classic instance from a VPC. After the instance has been unlinked, the VPC security groups are no longer associated with it. An instance is automatically unlinked from a VPC when it's stopped.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DetachClassicLinkVpcRequest",
    "xmlNamespace": null
  },
  "name": "DetachClassicLinkVpc",
  "output": {

"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DetachClassicLinkVpcResult"
}

"DetachInternetGateway" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Detaches an Internet gateway from a VPC, disabling connectivity between the Internet and the VPC. The VPC must not contain any running instances with Elastic IP addresses."
,
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DetachInternetGatewayRequest",
"xmlNamespace" : null
},
"name" : "DetachInternetGateway",
"output" : null
},

"DetachNetworkInterface" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Detaches a network interface from an instance.
,
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DetachNetworkInterfaceRequest",
"xmlNamespace" : null
},
"name" : "DetachNetworkInterface",
"output" : null
},

"DetachVolume" : {
Detaches an EBS volume from an instance. Make sure to unmount any file systems on the device within your operating system before detaching the volume. Failure to do so can result in the volume becoming indefinitely stuck in the <code>busy</code> state while detaching. If this happens, detachment can be delayed indefinitely until you unmount the volume, force detachment, reboot the instance, or all three. If an EBS volume is the root device of an instance, it can't be detached while the instance is running. To detach the root volume, stop the instance first.

When a volume with an AWS Marketplace product code is detached from an instance, the product code is no longer associated with the instance.


```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DetachVolumeRequest",
  "xmlNamespace" : null
},
"name" : "DetachVolume",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DetachVolumeResult"
}
"DetachVpnGateway" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Detaches a virtual private gateway from a VPC. You do this if you're planning to turn off the VPC and not use it anymore. You can confirm a virtual private gateway has been completely detached from a VPC by describing the virtual private gateway (any attachments to the virtual private gateway are also described).

You must wait for the attachment's state to switch to <code>detached</code> before you can delete the VPC or attach a different VPC to the virtual private gateway.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
```

Detaches an EBS volume from an instance. Make sure to unmount any file systems on the device within your operating system before detaching the volume. Failure to do so can result in the volume becoming indefinitely stuck in the <code>busy</code> state while detaching. If this happens, detachment can be delayed indefinitely until you unmount the volume, force detachment, reboot the instance, or all three. If an EBS volume is the root device of an instance, it can't be detached while the instance is running. To detach the root volume, stop the instance first.

When a volume with an AWS Marketplace product code is detached from an instance, the product code is no longer associated with the instance.


```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
```

Detaches a virtual private gateway from a VPC. You do this if you're planning to turn off the VPC and not use it anymore. You can confirm a virtual private gateway has been completely detached from a VPC by describing the virtual private gateway (any attachments to the virtual private gateway are also described).

You must wait for the attachment's state to switch to <code>detached</code> before you can delete the VPC or attach a different VPC to the virtual private gateway.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
```

Detaches an EBS volume from an instance. Make sure to unmount any file systems on the device within your operating system before detaching the volume. Failure to do so can result in the volume becoming indefinitely stuck in the <code>busy</code> state while detaching. If this happens, detachment can be delayed indefinitely until you unmount the volume, force detachment, reboot the instance, or all three. If an EBS volume is the root device of an instance, it can't be detached while the instance is running. To detach the root volume, stop the instance first.

When a volume with an AWS Marketplace product code is detached from an instance, the product code is no longer associated with the instance.


```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
```

Detaches a virtual private gateway from a VPC. You do this if you're planning to turn off the VPC and not use it anymore. You can confirm a virtual private gateway has been completely detached from a VPC by describing the virtual private gateway (any attachments to the virtual private gateway are also described).

You must wait for the attachment's state to switch to <code>detached</code> before you can delete the VPC or attach a different VPC to the virtual private gateway.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
```

Detaches an EBS volume from an instance. Make sure to unmount any file systems on the device within your operating system before detaching the volume. Failure to do so can result in the volume becoming indefinitely stuck in the <code>busy</code> state while detaching. If this happens, detachment can be delayed indefinitely until you unmount the volume, force detachment, reboot the instance, or all three. If an EBS volume is the root device of an instance, it can't be detached while the instance is running. To detach the root volume, stop the instance first.

When a volume with an AWS Marketplace product code is detached from an instance, the product code is no longer associated with the instance.


```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
```

Detaches a virtual private gateway from a VPC. You do this if you're planning to turn off the VPC and not use it anymore. You can confirm a virtual private gateway has been completely detached from a VPC by describing the virtual private gateway (any attachments to the virtual private gateway are also described).

You must wait for the attachment's state to switch to <code>detached</code> before you can delete the VPC or attach a different VPC to the virtual private gateway.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
```
"documentation" : null,
"locationName" : null,
"shape" : "DetachVpnGatewayRequest",
"xmlNamespace" : null
},
"name" : "DetachVpnGateway",
"output" : null
},
"DisableVgwRoutePropagation" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Disables a virtual private gateway (VGW) from propagating routes to a specified route table of a VPC.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DisableVgwRoutePropagationRequest",
"xmlNamespace" : null
},
"name" : "DisableVgwRoutePropagation",
"output" : null
},
"DisableVpcClassicLink" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Disables ClassicLink for a VPC. You cannot disable ClassicLink for a VPC that has EC2-Classic instances linked to it.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DisableVpcClassicLinkRequest",
"xmlNamespace" : null
},
"name" : "DisableVpcClassicLink",
"DisableVpcClassicLinkDnsSupport" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Disables ClassicLink DNS support for a VPC. If disabled, DNS hostnames resolve to public IP addresses when addressed between a linked EC2-Classic instance and instances in the VPC to which it's linked. For more information about ClassicLink, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DisableVpcClassicLinkDnsSupportRequest",
    "xmlNamespace" : null
  },
  "name" : "DisableVpcClassicLinkDnsSupport",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DisableVpcClassicLinkDnsSupportResult"
  }
},
"DisassociateAddress" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Disassociates an Elastic IP address from the instance or network interface it's associated with. An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the Amazon Elastic Compute Cloud User Guide.</p> This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  }
}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DisassociateAddressRequest",
"xmlNamespace" : null
},
"name" : "DisassociateAddress",
"output" : null
},
"DisassociateIamInstanceProfile" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Disassociates an IAM instance profile from a running or stopped instance.</p> Use <a>DescribeIamInstanceProfileAssociations</a> to get the association ID."
, "errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DisassociateIamInstanceProfileRequest",
"xmlNamespace" : null
},
"name" : "DisassociateIamInstanceProfile",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DisassociateIamInstanceProfileResult"
}
},
"DisassociateRouteTable" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Disassociates a subnet from a route table.</p> After you perform this action, the subnet no longer uses the routes in the route table. Instead, it uses the routes in the VPC's main route table. For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.",
"errors" : null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DisassociateRouteTableRequest",
"xmlNamespace": null
},
"name": "DisassociateRouteTable",
"output": null
},
"DisassociateSubnetCidrBlock": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "<p>Disassociates a CIDR block from a subnet. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it. </p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DisassociateSubnetCidrBlockRequest",
"xmlNamespace": null
},
"name": "DisassociateSubnetCidrBlock",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DisassociateSubnetCidrBlockResult"
}
},
"DisassociateVpcCidrBlock": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "<p>Disassociates a CIDR block from a VPC. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it. </p>"
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DisassociateVpcCidrBlockRequest",
  "xmlnsNamespace": null
},
"name": "DisassociateVpcCidrBlock",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DisassociateVpcCidrBlockResult"
},
"EnableVgwRoutePropagation": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Enables a virtual private gateway (VGW) to propagate routes to the specified route table of a VPC.</p>"
},
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "EnableVgwRoutePropagationRequest",
  "xmlnsNamespace": null
},
"name": "EnableVgwRoutePropagation",
"output": null
},
"EnableVolumeIO": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Enables I/O operations for a volume that had I/O operations disabled because the data on the volume was potentially inconsistent.</p>"
},
"errors": null,
"http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
},
"input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "EnableVolumeIORequest",
    "xmlNamespace" : null
},
"name" : "EnableVolumeIO",
"output" : null
},
"EnableVpcClassicLink" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Enables a VPC for ClassicLink. You can then link EC2-Classic instances to your ClassicLink-enabled VPC to allow communication over private IP addresses. You cannot enable your VPC for ClassicLink if any of your VPC's route tables have existing routes for address ranges within the <code>10.0.0.0/8</code> IP address range, excluding local routes for VPCs in the <code>10.0.0.0/16</code> and <code>10.1.0.0/16</code> IP address ranges. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"errors" : null,
"http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
},
"input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "EnableVpcClassicLinkRequest",
    "xmlNamespace" : null
},
"name" : "EnableVpcClassicLink",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "EnableVpcClassicLinkResult"
}
},
"EnableVpcClassicLinkDnsSupport" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Enables DNS support for ClassicLink. In ClassicLink, you can create private DNS zones to communicate with your ClassicLink-enabled VPC. You cannot enable DNS support for any of your VPC's route tables that have existing routes for address ranges within the <code>10.0.0.0/8</code> IP address range, excluding local routes for VPCs in the <code>10.0.0.0/16</code> and <code>10.1.0.0/16</code> IP address ranges. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink-dns-support.html">ClassicLink DNS Support</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"errors" : null,
"deprecated": false,
 "documentation": "<p>Enables a VPC to support DNS hostname resolution for ClassicLink. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the VPC to which it's linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information about ClassicLink, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide</p>.

"errors": null,
 "http": {
 "method": "POST",
 "requestUri": "/",
 "responseCode": null
 },
 "input": {
 "documentation": null,
 "locationName": null,
 "shape": "EnableVpcClassicLinkDnsSupportRequest",
 "xmlNamespace": null
 },
 "name": "EnableVpcClassicLinkDnsSupport",
 "output": {
 "documentation": null,
 "locationName": null,
 "resultWrapper": null,
 "shape": "EnableVpcClassicLinkDnsSupportResult"
 }
},
 "GetConsoleOutput": {
 "authorizer": null,
 "authtype": "IAM",
 "deprecated": false,
 "documentation": "<p>Gets the console output for the specified instance.</p> Instances do not have a physical monitor through which you can view their console output. They also lack physical controls that allow you to power up, reboot, or shut them down. To allow these actions, we provide them through the Amazon EC2 API and command line interface.

<p>Instance console output is buffered and posted shortly after instance boot, reboot, and termination. Amazon EC2 preserves the most recent 64 KB output which is available for at least one hour after the most recent post.</p> For Linux instances, the instance console output displays the exact console output that would normally be displayed on a physical monitor attached to a computer. This output is buffered because the instance produces it and then posts it to a store where the instance's owner can retrieve it.

<p>For Windows instances, the instance console output includes output from the EC2Config service.</p> 

"errors": null,
 "http": {
 "method": "POST",
 "requestUri": "/",
 "responseCode": null
 },
 "input": {
 "documentation": null,
"locationName": null,
"shape": "GetConsoleOutputRequest",
"xmlNamespace": null
},
"name": "GetConsoleOutput",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "GetConsoleOutputResult"
},
"GetConsoleScreenshot": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Retrieve a JPG-format screenshot of a running instance to help with troubleshooting.</p><p>The returned content is Base64-encoded.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "GetConsoleScreenshotRequest",
"xmlNamespace": null
},
"name": "GetConsoleScreenshot",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "GetConsoleScreenshotResult"
},
"GetHostReservationPurchasePreview": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Preview a reservation purchase with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation.</p><p>This is a preview of the <a>PurchaseHostReservation</a> action and does not result in the offering being purchased.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"name": "GetHostReservationPurchasePreview",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "GetHostReservationPurchasePreviewResult"
},
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"name": "GetHostReservationPurchasePreview",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "GetHostReservationPurchasePreviewResult"
}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "GetHostReservationPurchasePreviewRequest",
"xmlNamespace" : null
},
"name" : "GetHostReservationPurchasePreview",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "GetHostReservationPurchasePreviewResult"
}
},
"GetPasswordData" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Retrieves the encrypted administrator password for an instance running Windows.</p><p>The Windows password is generated at boot if the <code>EC2Config</code> service plugin, <code>Ec2SetPassword</code>, is enabled. This usually only happens the first time an AMI is launched, and then <code>Ec2SetPassword</code> is automatically disabled. The password is not generated for rebundled AMIs unless <code>Ec2SetPassword</code> is enabled before bundling.</p><p>The password is encrypted using the key pair that you specified when you launched the instance. You must provide the corresponding key pair file.</p><p>Password generation and encryption takes a few moments. We recommend that you wait up to 15 minutes after launching an instance before trying to retrieve the generated password.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "GetPasswordDataRequest",
"xmlNamespace" : null
},
"name" : "GetPasswordData",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "GetPasswordDataResult"
"GetReservedInstancesExchangeQuote" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Returns details about the values and term of your specified Convertible Reserved Instances. When a target configuration is specified, it returns information about whether the exchange is valid and can be performed.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "GetReservedInstancesExchangeQuoteRequest",
        "xmlNamespace" : null
    },
    "name" : "GetReservedInstancesExchangeQuote",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "GetReservedInstancesExchangeQuoteResult"
    }
},
"ImportImage" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Import single or multi-volume disk images or EBS snapshots into an Amazon Machine Image (AMI). For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html">Importing a VM as an Image Using VM Import/Export</a> in the <i>VM Import/Export User Guide</i>.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "ImportImageRequest",
        "xmlNamespace" : null
    }
}
"name": "ImportImage",
"output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "ImportImageResult"
}
},
"ImportInstance": {
    "authorizer": null,
    "authtype": "IAM",
    "deprecated": false,
    "documentation": "<p>Creates an import instance task using metadata from the specified disk image. <code>ImportInstance</code> only supports single-volume VMs. To import multi-volume VMs, use <a>ImportImage</a>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ec2-cli-vmimport-export.html">Importing a Virtual Machine Using the Amazon EC2 CLI</a>. </p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.
"p>
    "errors": null,
    "http": {
        "method": "POST",
        "requestUri": "/",
        "responseCode": null
    },
    "input": {
        "documentation": null,
        "locationName": null,
        "shape": "ImportInstanceRequest",
        "xmlNamespace": null
    },
    "name": "ImportInstance",
    "output": {
        "documentation": null,
        "locationName": null,
        "resultWrapper": null,
        "shape": "ImportInstanceResult"
    }
}
},
"ImportKeyPair": {
    "authorizer": null,
    "authtype": "IAM",
    "deprecated": false,
    "documentation": "<p>Imports the public key from an RSA key pair that you created with a third-party tool. Compare this with <a>CreateKeyPair</a>, in which AWS creates the key pair and gives the keys to you (AWS keeps a copy of the public key). With ImportKeyPair, you create the key pair and give AWS just the public key. The private key is never transferred between you and AWS. </p> <p>For more information about key pairs, see <a>
"errors" : null,
"http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "ImportKeyPairRequest",
 "xmlNamespace" : null
},
"name" : "ImportKeyPair",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "ImportKeyPairResult"
}
},
"ImportSnapshot" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Imports a disk into an EBS snapshot.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "ImportSnapshotRequest",
 "xmlNamespace" : null
},
"name" : "ImportSnapshot",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "ImportSnapshotResult"
}
},
"ImportVolume" : {
"errors" : null,
"http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "ImportVolumeRequest",
 "xmlNamespace" : null
},
"name" : "ImportVolume",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "ImportVolumeResult"
}
}
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Creates an import volume task using metadata from the specified disk image. For more information, see [Importing Disks to Amazon EBS](http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/importing-your-volumes-into-amazon-ebs.html). For information about the import manifest referenced by this API action, see [VM Import Manifest](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html).

"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ImportVolumeRequest",
  "xmlns:Namespace" : null
},
"name" : "ImportVolume",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "ImportVolumeResult"
}
"ModifyHosts" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Modify the auto-placement setting of a Dedicated Host. When auto-placement is enabled, AWS will place instances that you launch with a tenancy of <code>host</code>, but without targeting a specific host ID, onto any available Dedicated Host in your account which has auto-placement enabled. When auto-placement is disabled, you need to provide a host ID if you want the instance to launch onto a specific host. If no host ID is provided, the instance will be launched onto a suitable host which has auto-placement enabled.

"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ModifyHostsRequest",
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 10913
"xmlNamespace": null,
"name": "ModifyHosts",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "ModifyHostsResult"
}
},
"ModifyIdFormat": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": 
"<p>Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.<br>This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.</p>

"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "ModifyIdFormatRequest",
"xmlNamespace": null
},
"name": "ModifyIdFormat",
"output": null
},
"ModifyIdentityIdFormat": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": 
"<p>Modifies the ID format of a resource for a specified IAM user, IAM role, or the root user for an account; or all IAM users, IAM roles, and the root user for an account. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. For
This setting applies to the principal specified in the request; it does not apply to the principal that makes the request. Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant `Describe` command for the resource type.

Note: AWS Marketplace product codes cannot be modified. Images with an AWS Marketplace product code cannot be made public.

The `SriovNetSupport` enhanced networking attribute cannot be changed using this command. Instead, enable `SriovNetSupport` on an instance and create an AMI from the instance. This will result in an image with `SriovNetSupport` enabled.
"deprecated": false,
"documentation": "<p>Modifies the specified attribute of the specified instance. You can specify only one attribute at a time. </p> <p>To modify some attributes, the instance must be stopped. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_ChangingAttributesWhileInstanceStopped.html">Modifying Attributes of a Stopped Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"errors": null,
"http": {  
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {  
"documentation": null,
"locationName": null,
"shape": "ModifyInstanceAttributeRequest",
"xmlNamespace": null
},
"name": "ModifyInstanceAttribute",
"output": null
},
"ModifyInstancePlacement": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Set the instance affinity value for a specific stopped instance and modify the instance tenancy setting. </p> <p>Instance affinity is disabled by default. When instance affinity is <code>host</code> and it is not associated with a specific Dedicated Host, the next time it is launched it will automatically be associated with the host it lands on. This relationship will persist if the instance is stopped/started, or rebooted. </p> <p>You can modify the host ID associated with a stopped instance. If a stopped instance has a new host ID association, the instance will target that host when restarted. </p> <p>You can modify the tenancy of a stopped instance with a tenancy of <code>host</code> or <code>dedicated</code>. </p> <p>Affinity, hostID, and tenancy are not required parameters, but at least one of them must be specified in the request. Affinity and tenancy can be modified in the same request, but tenancy can only be modified on instances that are stopped. </p>",
"errors": null,
"http": {  
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {  
"documentation": null,
"locationName": null,
"shape": "ModifyInstancePlacementRequest",
"xmlNamespace": null
},
"name": "ModifyInstancePlacement",
"output": {  
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": 
"errors": null,
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "ModifyInstancePlacementResult"
}
).
"ModifyNetworkInterfaceAttribute": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Modifies the specified network interface attribute. You can specify only one attribute at a time.<br/>".
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "ModifyNetworkInterfaceAttributeRequest",
"xmlNamespace": null
},
"name": "ModifyNetworkInterfaceAttribute",
"output": null
},
"ModifyReservedInstances": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Modifies the Availability Zone, instance count, instance type, or network platform (EC2-Classic or EC2-VPC) of your Standard Reserved Instances. The Reserved Instances to be modified must be identical, except for Availability Zone, network platform, and instance type.<br/>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-modifying.html">Modifying Reserved Instances</a> in the Amazon Elastic Compute Cloud User Guide.<br/>".
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "ModifyReservedInstancesRequest",
"xmlNamespace": null
}.
"name": "ModifyReservedInstances",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "ModifyReservedInstancesResult"
}
],
"ModifySnapshotAttribute": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Adds or removes permission settings for the specified snapshot. You may add or remove specified AWS account IDs from a snapshot's list of create volume permissions, but you cannot do both in a single API call. If you need to both add and remove account IDs for a snapshot, you must use multiple API calls.</p>
  <p>Encrypted snapshots and snapshots with AWS Marketplace product codes cannot be made public. Snapshots encrypted with your default CMK cannot be shared with other accounts.</p>
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ModifySnapshotAttributeRequest",
  "xmlns": null
},
"name": "ModifySnapshotAttribute",
"output": null
],
"ModifySpotFleetRequest": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Modifies the specified Spot fleet request.</p>
  <p>While the Spot fleet request is being modified, it is in the <code>modifying</code> state.</p>
  <p>To scale up your Spot fleet, increase its target capacity. The Spot fleet launches the additional Spot instances according to the allocation strategy for the Spot fleet request. If the allocation strategy is <code>lowestPrice</code>, the Spot fleet launches instances using the Spot pool with the lowest price. If the allocation strategy is <code>diversified</code>, the Spot fleet distributes the instances across the Spot pools.</p>
  <p>To scale down your Spot fleet, decrease its target capacity. First, the Spot fleet cancels any open bids that exceed the new target capacity. You can request that the Spot fleet terminate Spot instances until the size of the fleet no longer exceeds the new target capacity. If the allocation strategy is <code>lowestPrice</code>, the Spot fleet terminates the instances with the highest price per unit. If the allocation
strategy is <code>diversified</code>, the Spot fleet terminates instances across the Spot pools. Alternatively, you can request that the Spot fleet keep the fleet at its current size, but not replace any Spot instances that are interrupted or that you terminate manually.</p>

"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ModifySpotFleetRequestRequest",
  "xmlNamespace" : null
},
"name" : "ModifySpotFleetRequest",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "ModifySpotFleetRequestResponse"
},
"ModifySubnetAttribute" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Modifies a subnet attribute. You can only modify one attribute at a time.&lt;/p&gt;",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "ModifySubnetAttributeRequest",
    "xmlNamespace" : null
  },
  "name" : "ModifySubnetAttribute",
  "output" : null
},
"ModifyVolume" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;You can modify several parameters of an existing EBS volume, including volume size,
volume type, and IOPS capacity. If your EBS volume is attached to a current-generation EC2 instance type, you may be able to apply these changes without stopping the instance or detaching the volume from it. For more information about modifying an EBS volume running Linux, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html">Modifying the Size, IOPS, or Type of an EBS Volume on Linux</a>. For more information about modifying an EBS volume running Windows, see <a href="http://docs.aws.amazon.com/docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ebs-expand-volume.html">Expanding the Storage Space of an EBS Volume on Windows</a>. 

"shape" : "ModifyVolumeResult"
},
"ModifyVolumeAttribute" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Modifies a volume attribute. </p> <p>By default, all I/O operations for the volume are suspended when the data on the volume is determined to be potentially inconsistent, to prevent undetectable, latent data corruption. The I/O access to the volume can be resumed by first enabling I/O access and then checking the data consistency on your volume.</p> <p>You can change the default behavior to resume I/O operations. We recommend that you change this only for boot volumes or for volumes that are stateless or disposable.</p>";
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ModifyVolumeAttributeRequest",
"xmlNamespace" : null
},
"name" : "ModifyVolumeAttribute",
"output" : null
},
"ModifyVpcAttribute" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Modifies the specified attribute of the specified VPC. </p>";
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ModifyVpcAttributeRequest",
"xmlNamespace" : null
},
"name" : "ModifyVpcAttribute",
"output" : null
},
"ModifyVpcEndpoint" : {

"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Modifies attributes of a specified VPC endpoint. You can modify the policy associated with the endpoint, and you can add and remove route tables associated with the endpoint.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ModifyVpcEndpointRequest",
"xmlNamespace" : null
},
"name" : "ModifyVpcEndpoint",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ModifyVpcEndpointResult"
}
},
"ModifyVpcPeeringConnectionOptions" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Modifies the VPC peering connection options on one side of a VPC peering connection. You can do the following:<br> 1. Enable/disable communication over the peering connection between an EC2-Classic instance that's linked to your VPC (using ClassicLink) and instances in the peer VPC.<br> 2. Enable/disable communication over the peering connection between instances in your VPC and an EC2-Classic instance that's linked to the peer VPC.<br> 3. Enable/disable a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.<br> If the peer VPCs are in different accounts, each owner must initiate a separate request to modify the peering connection options, depending on whether their VPC was the requester or accepter for the VPC peering connection. If the peer VPCs are in the same account, you can modify the requester and accepter options in the same request. To confirm which VPC is the accepter and requester for a VPC peering connection, use the <a>DescribeVpcPeeringConnections</a> command.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName": null,
"shape": "ModifyVpcPeeringConnectionOptionsRequest",
"xmlNamespace": null
},
"name": "ModifyVpcPeeringConnectionOptions",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "ModifyVpcPeeringConnectionOptionsResult"
}
},
"MonitorInstances": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Enables detailed monitoring for a running instance. Otherwise, basic monitoring is enabled. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-cloudwatch.html">Monitoring Your Instances and Volumes</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
  <p>To disable detailed monitoring, see .</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "MonitorInstancesRequest",
    "xmlNamespace": null
  },
  "name": "MonitorInstances",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "MonitorInstancesResult"
  }
},
"MoveAddressToVpc": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC platform. The Elastic IP address must be allocated to your account for more than 24 hours, and it must not be associated with an instance. After the Elastic IP address is moved, it is no longer available for use in the EC2-Classic platform, unless you move it back using the <a>RestoreAddressToClassic</a> request. You cannot move an Elastic IP
address that was originally allocated for use in the EC2-VPC platform to the EC2-Classic platform. </p>

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "MoveAddressToVpcRequest",
  "xmlNamespace": null
},
"name": "MoveAddressToVpc",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "MoveAddressToVpcResult"
}
},
"PurchaseHostReservation": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Purchase a reservation with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation. This action results in the specified reservation being purchased and charged to your account."
},
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "PurchaseHostReservationRequest",
  "xmlNamespace": null
},
"name": "PurchaseHostReservation",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "PurchaseHostReservationResult"
}
}
"PurchaseReservedInstancesOffering" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Purchases a Reserved Instance for use with your account. With Reserved Instances, you pay a lower hourly rate compared to On-Demand instance pricing.</p> Use <a>DescribeReservedInstancesOfferings</a> to get a list of Reserved Instance offerings that match your specifications. After you've purchased a Reserved Instance, you can check for your new Reserved Instance with <a>DescribeReservedInstances</a>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts-on-demand-reserved-instances.html">Reserved Instances</a> and <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "PurchaseReservedInstancesOfferingRequest",
    "xmlNamespace" : null
  },
  "name" : "PurchaseReservedInstancesOffering",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "PurchaseReservedInstancesOfferingResult"
  }
},

"PurchaseScheduledInstances" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Purchases one or more Scheduled Instances with the specified schedule.</p> Scheduled Instances enable you to purchase Amazon EC2 compute capacity by the hour for a one-year term. Before you can purchase a Scheduled Instance, you must call <a>DescribeScheduledInstanceAvailability</a> to check for available schedules and obtain a purchase token. After you purchase a Scheduled Instance, you must call <a>RunScheduledInstances</a> during each scheduled time period. After you purchase a Scheduled Instance, you can't cancel, modify, or resell your purchase.
  
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  }
}
"RebootInstances" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Requests a reboot of one or more instances. This operation is asynchronous; it only
queues a request to reboot the specified instances. The operation succeeds if the instances are valid and belong to
you. Requests to reboot terminated instances are ignored.</p> <p>If an instance does not cleanly shut down within
four minutes, Amazon EC2 performs a hard reboot.</p> <p>For more information about troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-console.html">Getting Console Output and Rebooting Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "RebootInstancesRequest",
        "xmlNamespace" : null
    },
    "name" : "RebootInstances",
    "output" : null
},
"RegisterImage" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Registers an AMI. When you're creating an AMI, this is the final step you must complete
before you can launch an instance from the AMI. For more information about creating AMIs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami.html">Creating Your Own AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <note> <p>For Amazon EBS-backed
instances, <a>CreateImage</a> creates and registers the AMI in a single request, so you don't have to register the AMI yourself.</p> <note> You can also use <code>RegisterImage</code> to create an Amazon EBS-backed Linux AMI from a snapshot of a root device volume. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_LaunchingInstanceFromSnapshot.html">Launching an Instance from a Snapshot</a> in the Amazon Elastic Compute Cloud User Guide.</note> <p>Some Linux distributions, such as Red Hat Enterprise Linux (RHEL) and SUSE Linux Enterprise Server (SLES), use the EC2 <code>billingProduct</code> code associated with an AMI to verify subscription status for package updates. Creating an AMI from an EBS snapshot does not maintain this billing code, and subsequent instances launched from such an AMI will not be able to connect to package update infrastructure.</p> 

<p>Similarly, although you can create a Windows AMI from a snapshot, you can't successfully launch an instance from the AMI.</p> <p>To create Windows AMIs or to create AMIs for Linux operating systems that must retain AMI billing codes to work properly, see <a>CreateImage</a>.</p> <important> Some Linux distributions, such as Red Hat Enterprise Linux (RHEL) and SUSE Linux Enterprise Server (SLES), use the EC2 <code>billingProduct</code> code associated with an AMI to verify subscription status for package updates. Creating an AMI from an EBS snapshot does not maintain this billing code, and subsequent instances launched from such an AMI will not be able to connect to package update infrastructure. </important> 

<p>Similarly, although you can create a Windows AMI from a snapshot, you can't successfully launch an instance from the AMI.</p> <p>To create Windows AMIs or to create AMIs for Linux operating systems that must retain AMI billing codes to work properly, see <a>CreateImage</a>.</p> <important> If needed, you can deregister an AMI at any time. Any modifications you make to an AMI backed by an instance store volume invalidates its registration. If you make changes to an image, deregister the previous image and register the new image.</important> <note> You can't register an image where a secondary (non-root) snapshot has AWS Marketplace product codes.</note>
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "RejectVpcPeeringConnectionRequest",
"xmlNamespace" : null
},
"name" : "RejectVpcPeeringConnection",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "RejectVpcPeeringConnectionResult"
}
},
"ReleaseAddress" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : " Releases the specified Elastic IP address. After releasing an Elastic IP address, it is released to the IP address pool and might be unavailable to you. Be sure to update your DNS records and any servers or devices that communicate with the address. If you attempt to release an Elastic IP address that you already released, you'll get an <code>AuthFailure</code> error if the address is already allocated to another AWS account. Releasing an Elastic IP address automatically disassociates it from any instance that it's associated with. To disassociate an Elastic IP address without releasing it, use <a>DisassociateAddress</a>. You must use <a>DisassociateAddress</a> to disassociate the Elastic IP address before you try to release it. Otherwise, Amazon EC2 returns an error (<code>InvalidIPAddress.InUse</code>).",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ReleaseAddressRequest",
"xmlNamespace" : null
},
"name" : "ReleaseAddress",
"output" : null
},
"ReleaseHosts" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
When you no longer want to use an On-Demand Dedicated Host it can be released. On-Demand billing is stopped and the host goes into <code>released</code> state. The host ID of Dedicated Hosts that have been released can no longer be specified in another request, e.g., ModifyHosts. You must stop or terminate all instances on a host before it can be released.

When Dedicated Hosts are released, it may take some time for them to stop counting toward your limit and you may receive capacity errors when trying to allocate new Dedicated hosts. Try waiting a few minutes, and then try again.

Released hosts will still appear in a <a>DescribeHosts</a> response.

```
"errors":null,
"http":{
  "method":"POST",
  "requestUri":"/",
  "responseCode":null
},
"input":{
  "documentation":null,
  "locationName":null,
  "shape":"ReleaseHostsRequest",
  "xmlNamespace":null
},
"name":"ReleaseHosts",
"output":{
  "documentation":null,
  "locationName":null,
  "resultWrapper":null,
  "shape":"ReleaseHostsResult"
}
},
"ReplaceIamInstanceProfileAssociation":{
  "authorizer":null,
  "authtype":"IAM",
  "deprecated":false,
  "documentation":"Replaces an IAM instance profile for the specified running instance. You can use this action to change the IAM instance profile that's associated with an instance without having to disassociate the existing IAM instance profile first.

Use <a>DescribeIamInstanceProfileAssociations</a> to get the association ID.

```
"errors":null,
"http":{
  "method":"POST",
  "requestUri":"/",
  "responseCode":null
},
"input":{
  "documentation":null,
  "locationName":null,
  "shape":"ReplaceIamInstanceProfileAssociationRequest",
  "xmlNamespace":null
},
"name":"ReplaceIamInstanceProfileAssociation",
```
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "ReplaceIamInstanceProfileAssociationResult"
  },
  "ReplaceNetworkAclAssociation" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "Changes which network ACL a subnet is associated with. By default when you create a subnet, it's automatically associated with the default network ACL. For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "ReplaceNetworkAclAssociationRequest",
        "xmlNamespace" : null
    },
    "name" : "ReplaceNetworkAclAssociation",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "ReplaceNetworkAclAssociationResult"
    }
  },
  "ReplaceNetworkAclEntry" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "Replaces an entry (rule) in a network ACL. For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    }
  },
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ReplaceNetworkAclEntryRequest",
  "xmlNamespace": null
},
"name": "ReplaceNetworkAclEntry",
"output": null
},
"ReplaceRoute": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Replaces an existing route within a route table in a VPC. You must provide only one of the following: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection, network interface, or egress-only Internet gateway.</p> For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the Amazon Virtual Private Cloud User Guide."
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ReplaceRouteRequest",
  "xmlNamespace": null
},
"name": "ReplaceRoute",
"output": null
},
"ReplaceRouteTableAssociation": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Changes the route table associated with a given subnet in a VPC. After the operation completes, the subnet uses the routes in the new route table it's associated with. For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the Amazon Virtual Private Cloud User Guide. You can also use ReplaceRouteTableAssociation to change which table is the main route table in the VPC. You just specify the main route table's association ID and the route table to be the new main route table.</p>"
},
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ReplaceRouteRequest",
  "xmlNamespace": null
},
"name": "ReplaceRoute",
"output": null
},
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
}
"ReportInstanceStatus": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Submits feedback about the status of an instance. The instance must be in the <code>running</code> state. If your experience with the instance differs from the instance status returned by <a>DescribeInstanceStatus</a>, use <a>ReportInstanceStatus</a> to report your experience with the instance. Amazon EC2 collects this information to improve the accuracy of status checks.</p> <p>Use of this action does not change the value returned by <a>DescribeInstanceStatus</a>.</p>"},
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "ReportInstanceStatusRequest",
    "xmlNamespace": null
  },
  "name": "ReportInstanceStatus",
  "output": null
},

"RequestSpotFleet": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a Spot fleet request.</p> <p>You can submit a single request that includes multiple launch specifications that vary by instance type, AMI, Availability Zone, or subnet.</p> <p>By default, the Spot fleet requests Spot instances in the Spot pool where the price per unit is the lowest. Each launch specification can include its own instance weighting that reflects the value of the instance type to your application workload.</p> <p>Alternatively, you can specify that the Spot fleet distribute the target capacity across the Spot pools included in
its launch specifications. By ensuring that the Spot instances in your Spot fleet are in different Spot pools, you can improve the availability of your fleet. For more information, see the Amazon Elastic Compute Cloud User Guide.

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "RequestSpotFleetRequest",
  "xmlNamespace": null
},
"name": "RequestSpotFleet",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "RequestSpotFleetResponse"
}
},
"RequestSpotInstances": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "Creates a Spot instance request. Spot instances are instances that Amazon EC2 launches when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot Instance capacity and current Spot instance requests. For more information, see the Amazon Elastic Compute Cloud User Guide.

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "RequestSpotInstancesRequest",
  "xmlNamespace": null
},
"name": "RequestSpotInstances",
"output": {
  "documentation": null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "RequestSpotInstancesResult"
},
"ResetImageAttribute" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Resets an attribute of an AMI to its default value.</p> <note> <p>The productCodes attribute can't be reset.</p> </note>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ResetImageAttributeRequest",
"xmlNamespace" : null
},
"name" : "ResetImageAttribute",
"output" : null
},
"ResetInstanceAttribute" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Resets an attribute of an instance to its default value. To reset the <code>kernel</code> or <code>ramdisk</code>, the instance must be in a stopped state. To reset the <code>sourceDestCheck</code>, the instance can be either running or stopped. <p>The <code>sourceDestCheck</code> attribute controls whether source/destination checking is enabled. The default value is <code>true</code>, which means checking is enabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.</p>.
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ResetInstanceAttributeRequest",
"xmlNamespace" : null
}
"name": "ResetInstanceAttribute",
"output": null
},
"ResetNetworkInterfaceAttribute": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Resets a network interface attribute. You can specify only one attribute at a time.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "ResetNetworkInterfaceAttributeRequest",
"xmlNamespace": null
},
"name": "ResetNetworkInterfaceAttribute",
"output": null
},
"ResetSnapshotAttribute": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "ResetSnapshotAttributeRequest",
"xmlNamespace": null
},
"name": "ResetSnapshotAttribute",
"output": null
},
"RestoreAddressToClassic": {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Restores an Elastic IP address that was previously moved to the EC2-VPC platform back to the EC2-Classic platform. You cannot move an Elastic IP address that was originally allocated for use in EC2-VPC. The Elastic IP address must not be associated with an instance or network interface."
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "RestoreAddressToClassicRequest",
  "xmlNamespace" : null
},
"name" : "RestoreAddressToClassic",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "RestoreAddressToClassicResult"
},
"RevokeSecurityGroupEgress" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "[EC2-VPC only] Removes one or more egress rules from a security group for EC2-VPC. This action doesn't apply to security groups for use in EC2-Classic. The values that you specify in the revoke request (for example, ports) must match the existing rule's values for the rule to be revoked."
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "RevokeSecurityGroupEgressRequest",
  "xmlNamespace" : null
}
"name" : "RevokeSecurityGroupEgress",
"output" : null
},
"RevokeSecurityGroupIngress" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Removes one or more ingress rules from a security group. The values that you specify in the
  revoke request (for example, ports) must match the existing rule's values for the rule to be removed.</p>
  <p>Each rule consists of the protocol and the CIDR range or source security group. For the TCP and UDP
  protocols, you must also specify the destination port or range of ports. For the ICMP protocol, you must also specify
  the ICMP type and code.</p> <p>Rule changes are propagated to instances within the security group as quickly as
  possible. However, a small delay might occur.</p>
},
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "RevokeSecurityGroupIngressRequest",
  "xmlNamespace" : null
},
"name" : "RevokeSecurityGroupIngress",
"output" : null
},
"RunInstances" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Launches the specified number of instances using an AMI for which you have
  permissions.</p>
  <p>You can specify a number of options, or leave the default options. The following rules apply:</p>
  <ul>
    <li>If you don’t specify a subnet ID, we choose a default subnet from your default VPC for you. If you don’t have a default VPC, you must specify a subnet ID in the request.</li>
    <li>If you don’t specify an Availability Zone, we choose one for you.</li>
    <li>Some instance types must be launched into a VPC. If you do not have a default VPC, or if you do not specify a subnet ID, the request fails. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-vpc.html#vpc-only-instance-types">Instance Types Available Only in a VPC</a></li>
  </ul>
  <p>To ensure faster instance launches, break up large

requests into smaller batches. For example, create 5 separate launch requests for 100 instances each instead of 1 launch request for 500 instances.</p> <p>An instance is ready for you to use when it's in the <code>running</code> state. You can check the state of your instance using <a>DescribeInstances</a>. After launch, you can apply tags to your running instance (requires a resource ID). For more information, see <a>CreateTags</a> and <a>Tagging Your Amazon EC2 Resources</a>. Linux instances have access to the public key of the key pair at boot. You can use this key to provide secure access to the instance. Amazon EC2 public images use this feature to provide secure access without passwords. For more information, see <a>Key Pairs</a> in the Amazon Elastic Compute Cloud User Guide.</p> <p>For troubleshooting, see <a>What To Do If An Instance Immediately Terminates</a> and <a>Troubleshooting Connecting to Your Instance</a> in the Amazon Elastic Compute Cloud User Guide.</p>
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "RunScheduledInstancesRequest",
"xmlNamespace" : null
},
"name" : "RunScheduledInstances",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "RunScheduledInstancesResult"
},
"StartInstances" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Starts an Amazon EBS-backed AMI that you've previously stopped.</p> <p>Instances that use Amazon EBS volumes as their root devices can be quickly stopped and started. When an instance is stopped, the compute resources are released and you are not billed for hourly instance usage. However, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. You can restart your instance at any time. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.</p> <p>Before stopping an instance, make sure it is in a state from which it can be restarted. Stopping an instance does not preserve data stored in RAM.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Stop_Start.html">Stopping Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "StartInstancesRequest",
"xmlNamespace" : null
},
"name" : "StartInstances",
"output" : {
"documentation" : null,
"locationName" : null,
Stops an Amazon EBS-backed instance.

We don't charge hourly usage for a stopped instance, or data transfer fees; however, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.

You can't start or stop Spot instances, and you can't stop instance store-backed instances.

When you stop an instance, we shut it down. You can restart your instance at any time. Before stopping an instance, make sure it is in a state from which it can be restarted. Stopping an instance does not preserve data stored in RAM.

Stopping an instance is different to rebooting or terminating it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, the root device and any other devices attached during the instance launch are automatically deleted. For more information about the differences between rebooting, stopping, and terminating instances, see Instance Lifecycle in the Amazon Elastic Compute Cloud User Guide.

When you stop an instance, we attempt to shut it down forcibly after a short while. If your instance appears stuck in the stopping state after a period of time, there may be an issue with the underlying host computer. For more information, see Troubleshooting Stopping Your Instance in the Amazon Elastic Compute Cloud User Guide.
"deprecated": false,
"documentation": "<p>Shuts down one or more instances. This operation is idempotent; if you terminate an instance more than once, each call succeeds. <br><p>If you specify multiple instances and the request fails (for example, because of a single incorrect instance ID), none of the instances are terminated.</p> <p>The terminated instances remain visible after termination (for approximately one hour).</p> <p>By default, Amazon EC2 deletes all EBS volumes that were attached when the instance launched. Volumes attached after instance launch continue running.</p> <p>You can stop, start, and terminate EBS-backed instances. You can only terminate instance store-backed instances. What happens to an instance differs if you stop it or terminate it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, any attached EBS volumes with the <code>DeleteOnTermination</code> block device mapping parameter set to <code>true</code> are automatically deleted. For more information about the differences between stopping and terminating instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<br><p>For more information about troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesShuttingDown.html">Troubleshooting Terminating Your Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "TerminateInstancesRequest",
  "xmlNamespace": null
},
"name": "TerminateInstances",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "TerminateInstancesResult"
},
"UnassignIpv6Addresses": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "Unassigns one or more IPv6 addresses from a network interface.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
"documentation" : null,
"locationName" : null,
"shape" : "UnassignIpv6AddressesRequest",
"xmlNamespace" : null
},
"name" : "UnassignIpv6Addresses",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "UnassignIpv6AddressesResult"
}
},
"UnassignPrivateIpAddresses" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Unassigns one or more secondary private IP addresses from a network interface.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "UnassignPrivateIpAddressesRequest",
    "xmlNamespace" : null
  },
  "name" : "UnassignPrivateIpAddresses",
  "output" : null
},
"UnmonitorInstances" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,

"locationName" : null,
"shape" : "UnmonitorInstancesRequest",
"xmlNamespace" : null
},
"name" : "UnmonitorInstances",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "UnmonitorInstancesResult"
}
}

"shapes" : {
"AcceptReservedInstancesExchangeQuoteRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for accepting the quote.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservedInstanceIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ReservedInstanceId",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstanceIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"TargetConfigurations" : {
"deprecated" : false,
"documentation" : "<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "TargetConfiguration",
"name" : "UnmonitorInstances",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "UnmonitorInstancesResult"
}
}

"shapes" : {
"AcceptReservedInstancesExchangeQuoteRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for accepting the quote.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservedInstanceIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ReservedInstanceId",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstanceIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"TargetConfigurations" : {
"deprecated" : false,
"documentation" : "<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "TargetConfiguration",
"name" : "UnmonitorInstances",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "UnmonitorInstancesResult"
}
}
"payload" : false,
"queryName" : null,
"shape" : "TargetConfigurationRequestSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ReservedInstanceIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AcceptReservedInstancesExchangeQuoteResult" : {
  "deprecated" : false,
  "documentation" : "<p>The result of the exchange and whether it was <code>successful</code>.<br/></p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ExchangeId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the successful exchange.<br/></p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "exchangeId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value": null,
"wrapper": false

"AcceptVpcPeeringConnectionRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for AcceptVpcPeeringConnection.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "VpcPeeringConnectionId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC peering connection.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "vpcPeeringConnectionId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"AcceptVpcPeeringConnectionResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of AcceptVpcPeeringConnection.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"member": null,
"members": {
    "VpcPeeringConnection": {
        "deprecated": false,
        "documentation": "<p>Information about the VPC peering connection.</p>",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "vpcPeeringConnection",
        "payload": false,
        "queryName": null,
        "shape": "VpcPeeringConnection",
        "streaming": false,
        "xmlNamespace": null
    }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AccountAttribute": {
    "deprecated": false,
    "documentation": "<p>Describes an account attribute.</p>",
    "enum": null,
    "error": null,
    "exception": false,
    "fault": false,
    "flattened": false,
    "key": null,
    "max": 0,
    "member": null,
    "members": {
        "AttributeName": {
            "deprecated": false,
            "documentation": "<p>The name of the account attribute.</p>",
            "flattened": false,
            "idempotencyToken": false,
            "location": null,
            "locationName": "attributeName",
            "payload": "attributeName",
            "queryName": null,
            "shape": "String",
            "streaming": false,
            "value": null
        }
    }
}
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"AccountAttributeName" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "supported-platforms", "default-vpc" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"AccountAttributeNameStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attributeName",}
"payload" : false,
"queryName" : null,
"shape" : "AccountAttributeName",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"AccountAttributeValue" : {
"deprecated" : false,
"documentation" : "<p>Describes a value of an account attribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AttributeValue" : {
"deprecated" : false,
"documentation" : "<p>The value of the attribute.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attributeValue",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",}
"InstanceHealth" : {
 "deprecated" : false,
 "documentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "instanceHealth",
 "payload" : false,
 "queryName" : null,
 "shape" : "InstanceHealthStatus",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "InstanceId" : {
 "deprecated" : false,
 "documentation" : "The ID of the instance.",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "instanceId",
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "InstanceType" : {
 "deprecated" : false,
 "documentation" : "The instance type.",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "instanceType",
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "SpotInstanceRequestId" : {
 "deprecated" : false,
 "documentation" : "The ID of the Spot instance request.",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "SpotInstanceRequestId"
"ActivityStatus" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "error", "pending_fulfillment", "pending_termination", "fulfilled" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},

"Address" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an Elastic IP address.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AllocationId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID representing the allocation of the address for use with EC2-VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "allocationId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "AssociationId" : {

  }
}
"deprecated" : false,
"documentation" : "The ID representing the association of the address with an instance in a VPC."},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Domain" : {
"deprecated" : false,
"documentation" : "Indicates whether this Elastic IP address is for use with instances in EC2-Classic ("standard") or instances in a VPC ("vpc").",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "domain",
"payload" : false,
"queryName" : null,
"shape" : "DomainType",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "The ID of the instance that the address is associated with (if any).",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "The ID of the network interface.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceOwnerId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the AWS account that owns the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceOwnerId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddress" : {
"deprecated" : false,
"documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PublicIp" : {
"deprecated" : false,
"documentation" : "<p>The Elastic IP address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "publicIp",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AddressList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "Address",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"Affinity": {
"deprecated": false,
"documentation": null,
"enum": [ "default", "host" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"AllocateAddressRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AllocateAddress.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Domain" : {
      "deprecated" : false,
      "documentation" : "<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC. <br><br>Default: The address is for use with instances in EC2-Classic.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "DomainType",
"streaming" : false,
"xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"AllocateAddressResult" : {
"deprecated": false,
"documentation": "\(<p>\)Contains the output of AllocateAddress.\(<p>\)\",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AllocationId": {
    "deprecated": false,
    "documentation": "\(<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.\(<p>\)\",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "allocationId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Domain": {
    "deprecated": false,
    "documentation": "\(<p>\)Indicates whether this Elastic IP address is for use with instances in EC2-Classic (\(<code>standard</code>\)) or instances in a VPC (\(<code>vpc</code>\)).\(<p>\)\",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "domain",
    "payload": false,
    "queryName": null,
    "shape": "DomainType",
    "streaming": false,
    "xmlNamespace": null
  },
  "PublicIp": {
    "deprecated": false,
    "documentation": "\(<p>\)The Elastic IP address.\(<p>\)",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "publicIp",
    "payload": false,
    "queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AllocateHostsRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for AllocateHosts.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AutoPlacement": {
    "deprecated": false,
    "documentation": "<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p> Default: Enabled</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "autoPlacement",
    "payload": false,
    "queryName": null,
    "shape": "AutoPlacement",
    "streaming": false,
    "xmlNamespace": null
  },
  "AvailabilityZone": {
    "deprecated": false,
    "documentation": "<p>The Availability Zone for the Dedicated Hosts.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "availabilityZone",
    "min": 0,
    "pattern": null,
    "payload": null,
    "required": null,
    "streaming": false,
    "xmlNamespace": null
  }
},
"AllocateHostsResponse": {
"deprecated": false,
"documentation": "<p>Returns the ID of the Dedicated Host if the request succeeds. If the request fails, an error response is returned.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AutoPlacement": {
    "deprecated": false,
    "documentation": "<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p> Default: Enabled</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "autoPlacement",
    "payload": false,
    "queryName": null,
    "shape": "AutoPlacement",
    "streaming": false,
    "xmlNamespace": null
  },
  "AvailabilityZone": {
    "deprecated": false,
    "documentation": "<p>The Availability Zone for the Dedicated Hosts.</p>",
    "flattened": false,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceType" : {
"deprecated" : false,
"documentation" : "<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Quantity" : {
"deprecated" : false,
"documentation" : "<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "quantity",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}
,"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceType", "Quantity", "AvailabilityZone" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AllocateHostsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of AllocateHosts.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"HostIds" : {
"deprecated" : false,
"documentation" : "The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hostIdSet",
"payload" : false,
"queryName" : null,
"shape" : "ResponseHostIdList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"AllocationIdList" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : {
        "deprecated" : false,
        "documentation" : null,
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "AllocationId",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "members" : [ ],
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "list",
    "value" : null,
    "wrapper" : false
},
"AllocationState" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : [ "available", "under-assessment", "permanent-failure", "released", "released-permanent-failure" ],
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : [ ],
    "min" : 0,
    "pattern" : null,
    "payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"AllocationStrategy" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "lowestPrice", "diversified" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ArchitectureValues" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "i386", "x86_64" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"AssignIpv6AddressesRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Ipv6AddressCount" : {
      "deprecated" : false,
      "documentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ipv6AddressCount",
      "payload" : false,
      "queryString" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Ipv6Addresses" : {
      "deprecated" : false,
      "documentation" : "One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ipv6Addresses",
      "payload" : false,
      "queryString" : null,
      "shape" : "Ipv6AddressList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "NetworkInterfaceId" : {
      "deprecated" : false,
      "documentation" : "The ID of the network interface.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "networkInterfaceId",
      "payload" : false,
      "queryString" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssignIpv6AddressesResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssignedIpv6Addresses" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses assigned to the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "assignedIpv6Addresses",
"payload" : false,
"queryName" : null,
"shape" : "Ipv6AddressList",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"AssignPrivateIpAddressesRequest": {
  "deprecated": false,
  "documentation": "Contains the parameters for AssignPrivateIpAddresses.<p>
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AllowReassignment": {
      "deprecated": false,
      "documentation": "Indicates whether to allow an IP address that is already assigned to another network
interface or instance to be reassigned to the specified network interface.<p>
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "allowReassignment",
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    },
    "NetworkInterfaceId": {
      "deprecated": false,
      "documentation": "The ID of the network interface.<p>
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,
"PrivateIpAddresses" : [
  "deprecated" : false,
  "documentation" : "One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.
",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryName" : null,
  "shape" : "PrivateIpAddressStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecondaryPrivateIpAddressCount" : {
  "deprecated" : false,
  "documentation" : "The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.
",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "secondaryPrivateIpAddressCount",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateAddressRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AssociateAddress.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
   "AllocationId" : {
      "deprecated" : false,
      "documentation" : "<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
   },
   "AllowReassociation" : {
      "deprecated" : false,
      "documentation" : "<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "allowReassociation",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlNamespace" : null
   },
   "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddress" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PublicIp" : {
"deprecated" : false,
"documentation" : "<p>The Elastic IP address. This is required for EC2-Classic.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateAddressResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of AssociateAddress.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"AssociateDhcpOptionsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AssociateDhcpOptions.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DhcpOptionsId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "DhcpOptionsId", "VpcId" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
"AssociateIamInstanceProfileRequest" : {
    "deprecated" : false,
    "documentation" : "<p>The IAM instance profile.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "IamInstanceProfileSpecification",
    "streaming" : false,
    "xmlNamespace" : null
},
"InstanceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
}
,"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "IamInstanceProfile", "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"AssociateIamInstanceProfileResult" : {
    "deprecated" : false,
    "documentation" : "Information about the IAM instance profile association.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "iamInstanceProfileAssociation",
    "payload" : false,
    "queryName" : null,
    "shape" : "iamInstanceProfileAssociation",
    "streaming" : false,
    "xmlNamespace" : null
},
"AssociateRouteTableRequest" : {
    "deprecated" : false,
    "documentation" : "Contains the parameters for AssociateRouteTable.",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "IamInstanceProfileAssociation" : {
            "deprecated" : false,
            "documentation" : "Information about the IAM instance profile association.",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "iamInstanceProfileAssociation",
            "payload" : false,
            "queryName" : null,
            "shape" : "iamInstanceProfileAssociation",
            "streaming" : false,
            "xmlNamespace" : null
        }
    },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
}
"RouteTableId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "routeTableId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SubnetId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the subnet.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "subnetId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
,"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId", "RouteTableId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateRouteTableResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of AssociateRouteTable.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [}
"AssociationId" : {
  "deprecated" : false,
  "documentation" : "<p>The route table association ID (needed to disassociate the route table).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "associationId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateSubnetCidrBlockRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Ipv6CidrBlock" : {
      "deprecated" : false,
      "documentation" : "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ipv6CidrBlock",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"SubnetId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of your subnet.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "subnetId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId", "Ipv6CidrBlock" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateSubnetCidrBlockResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Ipv6CidrBlockAssociation" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ipv6CidrBlockAssociation",
      "payload" : false,
      "queryName" : null,
      "shape" : "SubnetIpv6CidrBlockAssociation",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"SubnetId": {
    "deprecated": false,
    "documentation": "<p>The ID of the subnet.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "subnetId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AssociateVpcCidrBlockRequest": {
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    "documentation": null,
    "enum": null,
    "error": null,
    "exception": false,
    "fault": false,
    "flattened": false,
    "key": null,
    "max": 0,
    "member": null,
    "members": {
        "AmazonProvidedIpv6CidrBlock": {
            "deprecated": false,
            "documentation": "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>",
            "flattened": false,
            "idempotencyToken": false,
            "location": null,
            "locationName": "amazonProvidedIpv6CidrBlock",
            "payload": false,
            "queryName": null,
            "shape": "Boolean",
            "streaming": false,
            "xmlNamespace": false
        }
    }
}
"VpcId" : {
  "deprecated" : false,
  "documentation" : "The ID of the VPC.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false

"AssociateVpcCidrBlockResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Ipv6CidrBlockAssociation" : {
      "deprecated" : false,
      "documentation" : "Information about the IPv6 CIDR block association.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ipv6CidrBlockAssociation",
      "payload" : false,
      "queryName" : null,
      "shape" : "VpcIpv6CidrBlockAssociation",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"VpcId" : {
  "deprecated" : false,
  "documentation" : "The ID of the VPC.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociationIdList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "AssociationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { 
  },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"AttachClassicLinkVpcRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AttachClassicLinkVpc.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Groups" : {
"deprecated" : false,
"documentation" : "The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SecurityGroupId",
"payload" : false,
"queryName" : null,
"shape" : "GroupIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"AttachInternetGatewayRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AttachInternetGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InternetGatewayId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the Internet gateway.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "internetGatewayId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "vpcId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
  }
}
"AttachNetworkInterfaceRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for AttachNetworkInterface.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "DeviceIndex" : {
            "deprecated" : false,
            "documentation" : "<p>The index of the device for the network interface attachment.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "deviceIndex",
            "payload" : false,
            "queryName" : null,
            "shape" : "Integer",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "InstanceId" : {
            "deprecated" : false,
            "documentation" : "<p>The ID of the instance.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "instanceId",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    }
}
"NetworkInterfaceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkInterfaceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
"min": 0,
"pattern": null,
"payload": null,
"required": ["NetworkInterfaceId", "InstanceId", "DeviceIndex"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"AttachNetworkInterfaceResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of AttachNetworkInterface.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AttachmentId": {
      "deprecated": false,
      "documentation": "<p>The ID of the network interface attachment.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "attachmentId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
      }"}}
"AttachVolumeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AttachVolume.\n</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Device" : {
      "deprecated" : false,
      "documentation" : "<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance.\n</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "type" : "structure",
      "value" : null,
      "wrapper" : false
    }
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "The ID of the EBS volume. The volume and instance must be within the same Availability Zone.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId", "InstanceId", "Device" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
],
"AttachVolumeResult" : {
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire."
},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Attachment" : {
    "deprecated" : false,
    "documentation" : "Describes volume attachment details."
  }
}
}
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpnGatewayId", "VpcId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"AttachVpnGatewayResult": {
"deprecated": false,
"documentation": "<p>Contains the output of AttachVpnGateway. </p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpcAttachment": {
"deprecated": false,
"documentation": "<p>Information about the attachment. </p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attachment",
"payload": false,
"queryName": null,
"shape": "VpcAttachment",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}.
"AttachmentStatus": {
  "deprecated": false,
  "documentation": null,
  "enum": ["attaching", "attached", "detaching", "detached"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {},
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
},

"AttributeBooleanValue": {
  "deprecated": false,
  "documentation": "<p>Describes a value for a resource attribute that is a Boolean value.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Value": {
      "deprecated": false,
      "documentation": "<p>The attribute value. The valid values are <code>true</code> or <code>false</code>.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "value",
      "payload": false,
      "queryString": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},

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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "CidrIp": {
    "deprecated": false,
    "documentation": "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "cidrIp",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "FromPort": {
    "deprecated": false,
    "documentation": "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "fromPort",
    "payload": false,
    "queryName": null,
    "shape": "Integer",
    "streaming": false,
    "xmlNamespace": null
  },
  "GroupId": {
    "deprecated": false,
    "documentation": "<p>The ID of the security group.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "groupId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
}
"IpPermissions" : {
  "deprecated" : false,
  "documentation" : "A set of IP permissions. You can't specify a destination security group and a CIDR IP address range."
},
"IpProtocol" : {
  "deprecated" : false,
  "documentation" : "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.",
},
"SourceSecurityGroupName" : {
  "deprecated" : false,
  "documentation" : "The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.",
},
"SourceSecurityGroupOwnerId" : {
  "deprecated" : false,
  "documentation" : "The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.",
}
"idempotencyToken": false,
"location": null,
"locationName": "sourceSecurityGroupId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ToPort": {
"deprecated": false,
"documentation": "\nThe end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "toPort",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "GroupId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AuthorizeSecurityGroupIngressRequest": {
"deprecated": false,
"documentation": "\nContains the parameters for AuthorizeSecurityGroupIngress.\n\n"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"CidrIp": {
"deprecated": false,
"documentation": "\nThe CIDR IPv4 address range. You can't specify this parameter when specifying a
source security group.

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"FromPort" : {
"deprecated" : false,
"documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use \<code\>-1</code\> to specify all types.\"",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"GroupId" : {
"deprecated" : false,
"documentation" : "The ID of the security group. Required for a nondefault VPC.\"",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"GroupName" : {
"deprecated" : false,
"documentation" : "[EC2-Classic, default VPC] The name of the security group.\"",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}.
```
"streaming": false,
"xmlNamespace": null
},
"IpPermissions": {
"deprecated": false,
"documentation": "<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "IpPermissionList",
"streaming": false,
"xmlNamespace": null
},
"IpProtocol": {
"deprecated": false,
"documentation": "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see [Protocol Numbers](http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml)) or number (see [Protocol Numbers](http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml)) (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SourceSecurityGroupName": {
"deprecated": false,
"documentation": "[EC2-Classic, default VPC] The name of the source security group. You can’t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.
<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
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"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceSecurityGroupId" : {
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic] The AWS account number for the source security group, if the source
  security group is in a different account. You can't specify this parameter in combination with the following
  parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range.
  Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range,
  use a set of IP permissions instead.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ToPort" : {
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code
  number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AutoPlacement" : {
  "deprecated" : false,
"AvailabilityZone" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an Availability Zone.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"AvailabilityZone" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an Availability Zone.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { 
    "Messages" : { 
      "deprecated" : false,
      "documentation" : "<p>Any messages about the Availability Zone.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "messageSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "AvailabilityZoneMessageList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "RegionName" : {
      "deprecated" : false,
      "documentation" : "<p>The name of the region.</p>",
      "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "regionName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The state of the Availability Zone.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "zoneState",
"payload" : false,
"queryName" : null,
"shape" : "AvailabilityZoneState",
"streaming" : false,
"xmlNamespace" : null
},
"ZoneName" : {
"deprecated" : false,
"documentation" : "<p>The name of the Availability Zone.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "zoneName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "AvailabilityZone",
    "streaming" : false,
    "xmlns" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"AvailabilityZoneMessage" : { 
    "deprecated" : false,
    "documentation" : "<p>Describes a message about an Availability Zone.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : { 
        "Message" : { 
            "deprecated" : false,
            "documentation" : "<p>The message about the Availability Zone.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
"wrapper" : false
},
"AvailabilityZoneState" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "available", "information", "impaired", "unavailable" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"AvailableCapacity" : {
  "deprecated" : false,
  "documentation" : "The capacity information for instances launched onto the Dedicated Host.\n",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailableInstanceCapacity" : {
      "deprecated" : false,
      "documentation" : "The total number of instances that the Dedicated Host supports.\n",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "availableInstanceCapacity",
      "payload" : false,
      "queryName" : null,
      "shape" : "AvailableInstanceCapacityList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
};
"AvailableVCpus" : { 
  "deprecated" : false,
  "documentation" : "The number of vCPUs available on the Dedicated Host." ,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "availableVCpus",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AvailableInstanceCapacityList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "InstanceCapacity",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : [ {}],
  "min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"BatchState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "submitted", "active", "cancelled", "failed", "cancelled_running", "cancelled_terminating", "modifying" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"Blob" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "blob",
"value" : null,
"wrapper" : false
}
"value": null,
"wrapper": false
],
"BlobAttributeValue": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Value": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "value",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"BlockDeviceMapping": {
"deprecated": false,
"documentation": "Describes a block device mapping.
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member" : null,
"members" : {
    "DeviceName" : {
        "deprecated" : false,
        "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "deviceName",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "Ebs" : {
        "deprecated" : false,
        "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.\</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "ebs",
        "payload" : false,
        "queryName" : null,
        "shape" : "EbsBlockDevice",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "NoDevice" : {
        "deprecated" : false,
        "documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.\</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "noDevice",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "VirtualName" : {
        "deprecated" : false,
        "documentation" : "<p>The virtual device name (<code>ephemeral</code>). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for

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The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"BlockDeviceMappingRequestList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "BlockDeviceMapping",
"payload" : false,
"queryName" : null,
"shape" : "BlockDeviceMapping",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"Boolean" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"BundleInstanceRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for BundleInstance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p>
"required": true,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Storage": {
"deprecated": false,
"documentation": "<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Storage",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "InstanceId", "Storage" ],
"streaming": false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"BundleInstanceResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of BundleInstance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"BundleTask" : {
"deprecated" : false,
"documentation" : "<p>Information about the bundle task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bundleInstanceTask",
"payload" : false,
"queryName" : null,
"shape" : "BundleTask",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"BundleTask" : {
"deprecated" : false,
"documentation" : "<p>Describes a bundle task.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
 "BundleId" : {
 "deprecated" : false,
 "documentation" : "<p>The ID of the bundle task.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "bundleId",
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "BundleTaskError" : {
 "deprecated" : false,
 "documentation" : "<p>If the task fails, a description of the error.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "error",
 "payload" : false,
 "queryName" : null,
 "shape" : "BundleTaskError",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "InstanceId" : {
 "deprecated" : false,
 "documentation" : "<p>The ID of the instance associated with this bundle task.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "instanceId",
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "Progress" : {
 "deprecated" : false,
 "documentation" : "<p>The level of task completion, as a percent (for example, 20%).</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
"locationName": "progress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"StartTime": {
  "deprecated": false,
  "documentation": "<p>The time this task started.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "startTime",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},

"State": {
  "deprecated": false,
  "documentation": "<p>The state of the task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
  "queryName": null,
  "shape": "BundleTaskState",
  "streaming": false,
  "xmlNamespace": null
},

"Storage": {
  "deprecated": false,
  "documentation": "<p>The Amazon S3 storage locations.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "storage",
  "payload": false,
  "queryName": null,
  "shape": "Storage",
  "streaming": false,
  "xmlNamespace": null
},

"UpdateTime": {
  "deprecated": false,
"documentation" : "<p>The time of the most recent update for the task.<p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "updateTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlnsNamespace" : null }
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false }
"BundleTaskError" : {
"deprecated" : false,
"documentation" : "<p>Describes an error for <a>BundleInstance</a>.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Code" : {
"deprecated" : false,
"documentation" : "<p>The error code.<p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "code",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null },
"Message" : {
"deprecated" : false,
"documentation" : "\p> The error message.\p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "message",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"BundleTaskList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "BundleTask",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
}

"BundleTaskState": {
"deprecated": false,
"documentation": null,
"enum": ["pending", "waiting-for-shutdown", "bundling", "storing", "cancelling", "complete", "failed"],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
}

"CancelBatchErrorCode": {
"deprecated": false,
"documentation": null,
"enum": ["fleetRequestIdDoesNotExist", "fleetRequestIdMalformed", "fleetRequestNotInCancellableState", "unexpectedError"],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
"CancelBundleTaskRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelBundleTask.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "BundleId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the bundle task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "BundleId" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"CancelBundleTaskResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CancelBundleTask.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
"BundleTask" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the bundle task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "bundleInstanceTask",
    "payload" : false,
    "queryName" : null,
    "shape" : "BundleTask",
    "streaming" : false,
    "xmlNamespace" : null
}
{
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
},
"CancelConversionRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CancelConversionTask.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "ConversionTaskId" : {
            "deprecated" : false,
            "documentation" : "<p>The ID of the conversion task.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "conversionTaskId",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    },
}
"ReasonMessage" : {
  "deprecated" : false,
  "documentation" : "<p>The reason for canceling the conversion task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reasonMessage",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ConversionTaskId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelExportTaskRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelExportTask.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ExportTaskId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the export task. This is the ID returned by
<code>CreateInstanceExportTask</code>.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "exportTaskId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
"CancelImportTaskRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelImportTask.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CancelReason" : {
      "deprecated" : false,
      "documentation" : "<p>The reason for canceling the task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    },
    "ImportTaskId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the import image or import snapshot task to be canceled.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  }
}
"CancelImportTaskResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output for CancelImportTask.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ImportTaskId": {
      "deprecated": false,
      "documentation": "<p>The ID of the task being canceled.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "importTaskId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "PreviousState": {
      "deprecated": false,
      "documentation": "<p>The current state of the task being canceled.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "previousState",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"State" : {
  "deprecated" : false,
  "documentation" : "The current state of the task being canceled.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"CancelReservedInstancesListingRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for CancelReservedInstancesListing.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ReservedInstancesListingId" : {
      "deprecated" : false,
      "documentation" : "The ID of the Reserved Instance listing.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "reservedInstancesListingId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"ReservedInstancesListings" : {
  "deprecated" : false,
  "documentation" : "The Reserved Instance listing.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstancesListingsSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReservedInstancesListingList",
  "streaming" : false,
  "xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelSpotFleetRequestsError" : {
  "deprecated" : false,
"documentation" : "<p>Describes a Spot fleet error.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Code" : {
    "deprecated" : false,
    "documentation" : "<p>The error code.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "code",
    "payload" : false,
    "queryName" : null,
    "shape" : "CancelBatchErrorCode",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Message" : {
    "deprecated" : false,
    "documentation" : "<p>The description for the error code.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "message",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Code", "Message" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelSpotFleetRequestsErrorItem" : {
  "deprecated" : false,
"description": "Describes a Spot fleet request that was not successfully canceled.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Error": {
    "deprecated": false,
    "documentation": "The error.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "error",
    "payload": false,
    "queryName": null,
    "shape": "CancelSpotFleetRequestsError",
    "streaming": false,
    "xmlNamespace": null
  },
  "SpotFleetRequestId": {
    "deprecated": false,
    "documentation": "The ID of the Spot fleet request.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "spotFleetRequestId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "SpotFleetRequestId", "Error" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "CancelSpotFleetRequestsErrorItem",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"CancelSpotFleetRequestsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CancelSpotFleetRequests.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SpotFleetRequestIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotFleetRequestId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
},
"TerminateInstances" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "terminateInstances",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestIds", "TerminateInstances" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelSpotFleetRequestsResponse" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CancelSpotFleetRequests.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SuccessfulFleetRequests" : {
"deprecated" : false,
"documentation" : "<p>Information about the Spot fleet requests that are successfully canceled.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "successfulFleetRequestSet",
"payload" : false,
"queryName" : null,
"shape" : "CancelSpotFleetRequestsSuccessSet",
"streaming" : false,
"xmlns" : null
},
"UnsuccessfulFleetRequests" : {
"deprecated" : false,
"documentation" : "<p>Information about the Spot fleet requests that are not successfully canceled.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "unsuccessfulFleetRequestSet",
"payload" : false,
"queryName" : null,
"shape" : "CancelSpotFleetRequestsErrorSet",
"streaming" : false,
"xmlns" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelSpotFleetRequestsSuccessItem" : {
"deprecated" : false,
"documentation" : "<p>Describes a Spot fleet request that was successfully canceled.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CurrentSpotFleetRequestState" : {
"deprecated" : false,
"documentation" : "<p>The current state of the Spot fleet request.</p>",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "currentSpotFleetRequestState",
"payload": false,
"queryName": null,
"shape": "BatchState",
"streaming": false,
"xmlNamespace": null
},
"PreviousSpotFleetRequestState": {
"deprecated": false,
"documentation": "<p>The previous state of the Spot fleet request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "previousSpotFleetRequestState",
"payload": false,
"queryName": null,
"shape": "BatchState",
"streaming": false,
"xmlNamespace": null
},
"SpotFleetRequestId": {
"deprecated": false,
"documentation": "<p>The ID of the Spot fleet request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotFleetRequestId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "SpotFleetRequestId", "CurrentSpotFleetRequestState", "PreviousSpotFleetRequestState" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CancelSpotFleetRequestsSuccessSet": {
"deprecated": false,
"documentation": null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "CancelSpotFleetRequestsSuccessItem",
    "streaming" : false,
    "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"CancelSpotInstanceRequestState" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : [ "active", "open", "closed", "cancelled", "completed" ],
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : { },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "string"
"CancelSpotInstanceRequestsRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for CancelSpotInstanceRequests."
},

"CancelSpotInstanceRequestsResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of CancelSpotInstanceRequests."
}
"member" : null,
"members" : {
  "CancelledSpotInstanceRequests" : {
    "deprecated" : false,
    "documentation" : "<p>One or more Spot instance requests.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "spotInstanceRequestSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "CancelledSpotInstanceRequestList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"CancelledSpotInstanceRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a request to cancel a Spot instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "SpotInstanceRequestId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the Spot instance request.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "spotInstanceRequestId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
"xmlNamespace": null
},
"State": {
  "deprecated": false,
  "documentation": "<p>The state of the Spot instance request.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
  "queryName": null,
  "shape": "CancelSpotInstanceRequestState",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CancelledSpotInstanceRequestList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "CancelledSpotInstanceRequest",
    "streaming": false,
    "xmlNamespace": null
  }
}
"members" : [ },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
],
"ClassicLinkDnsSupport" : {
"deprecated" : false,
"documentation" : "<p>Describes the ClassicLink DNS support status of a VPC.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClassicLinkDnsSupported" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "classicLinkDnsSupported",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ClassicLinkDnsSupportList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ClassicLinkDnsSupport",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ClassicLinkInstance" : {
"deprecated" : false,
"documentation" : "<p>Describes a linked EC2-Classic instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Groups" : {
        "deprecated" : false,
        "documentation" : "<p>A list of security groups.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "groupSet",
        "payload" : false,
        "queryName" : null,
        "shape" : "GroupIdList",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "InstanceId" : {
        "deprecated" : false,
        "documentation" : "<p>The ID of the instance.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "instanceId",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "Tags" : {
        "deprecated" : false,
        "documentation" : "<p>Any tags assigned to the instance.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "tagSet",
        "payload" : false,
        "queryName" : null,
        "shape" : "TagList",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "VpcId" : {
        "deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}.
"
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ClassicLinkInstanceList" : {,
 "deprecated" : false,
 "documentation" : null,
 "enum" : null,
 "error" : null,
 "exception" : false,
 "fault" : false,
 "flattened" : false,
 "key" : null,
 "max" : 0,
 "member" : {
 "deprecated" : false,
 "documentation" : null,
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "item",
 "payload" : false,
 "queryName" : null,
 "shape" : "ClassicLinkInstance",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "members" : { },
 "min" : 0,
 "pattern" : null,
 "payload" : null,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Double",
"streaming" : false,
"xmlNamespace" : null
},
"UploadStart" : {
  "deprecated" : false,
  "documentation" : "<p>The time that the disk upload starts.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ConfirmProductInstanceRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ConfirmProductInstance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance.</p>",
      "flattened" : false,
    }
  }
}


"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"ProductCode" : {
  "deprecated" : false,
  "documentation" : "<p>The product code. This must be a product code that you own.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ProductCode", "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},

"ConfirmProductInstanceResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ConfirmProductInstance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "OwnerId" : {
      "deprecated" : false,
      "documentation" : "<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>".,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "ownerId",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
},  
"Return" : {  
"deprecated" : false,  
"documentation" : "{p>The return value of the request. Returns &lt;code&gt;true&lt;/code&gt; if the specified product code is owned by the requester and associated with the specified instance.&lt;/p&gt;"},  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "return",  
"payload" : false,  
"queryName" : null,  
"shape" : "Boolean",  
"streaming" : false,  
"xmlNamespace" : null  
}  
},  
"min" : 0,  
"pattern" : null,  
"payload" : null,  
"required" : null,  
"streaming" : false,  
"type" : "structure",  
"value" : null,  
"wrapper" : false  
},  
"ContainerFormat" : {  
"deprecated" : false,  
"documentation" : null,  
"enum" : [ "ova" ],  
"error" : null,  
"exception" : false,  
"fault" : false,  
"flattened" : false,  
"key" : null,  
"max" : 0,  
"member" : null,  
"members" : { },  
"min" : 0,  
"pattern" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
}  
}
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ConversionIdStringList" : [
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : [
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  ],
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
],
"ConversionTask" : [
  "deprecated" : false,
  "documentation" : "<p>Describes a conversion task.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ConversionTaskId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the conversion task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "conversionTaskId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "ExpirationTime" : {
    "deprecated" : false,
    "documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "expirationTime",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "ImportInstance" : {
    "deprecated" : false,
    "documentation" : "<p>If the task is for importing an instance, this contains information about the import instance task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "importInstance",
    "payload" : false,
    "queryName" : null,
    "shape" : "ImportInstanceTaskDetails",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "ImportVolume" : {
    "deprecated" : false,
    "documentation" : "<p>If the task is for importing a volume, this contains information about the import

volume task.<p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "importVolume",
"payload" : false,
"queryName" : null,
"shape" : "ImportVolumeTaskDetails",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "The state of the conversion task.<p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "ConversionTaskState",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "The status message related to the conversion task.<p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "Any tags assigned to the task.<p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
}
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
",
"ConversionTaskState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "active", "cancelling", "cancelled", "completed" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
",
"CopyImageRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CopyImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For
more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>,

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null 
},
"Description" : {
 "deprecated" : false,
 "documentation" : "<p>A description for the new AMI in the destination region.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : false,
 "queryString" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlNamespace" : null 
},
"Encrypted" : {
 "deprecated" : false,
 "documentation" : "<p> Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "encrypted",
 "payload" : false,
 "queryString" : null,
 "shape" : "Boolean",
 "streaming" : false,
 "xmlNamespace" : null 
},
"KmsKeyId" : {
 "deprecated" : false,
 "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the
<code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "kmsKeyId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"Name" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the new AMI in the destination region.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}

"SourceImageId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI to copy.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}

"SourceRegion" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the region that contains the AMI to copy.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
```
{"payload":false,
"queryName":null,
"shape":"String",
"streaming":false,
"xmlnsNamespace":null
}
],
"min":0,
"pattern":null,
"payload":null,
"required":["SourceRegion","SourceImageId","Name"],
"streaming":false,
"type":"structure",
"value":null,
"wrapper":false
},
"CopyImageResult":{
"deprecated":false,
"documentation":"<p>Contains the output of CopyImage.</p>",
"enum":null,
"error":null,
"exception":false,
"fault":false,
"flattened":false,
"key":null,
"max":0,
"member":null,
"members":{
"ImageId":{
"deprecated":false,
"documentation":"<p>The ID of the new AMI.</p>",
"flattened":false,
"idempotencyToken":false,
"location":null,
"locationName":"imageId",
"payload":false,
"queryName":null,
"shape":"String",
"streaming":false,
"xmlnsNamespace":null
}
},
"min":0,
"pattern":null,
"payload":null,
"required":null,
"streaming":false,
"type":"structure",}
"value" : null,
"wrapper" : false
},
"CopySnapshotRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for CopySnapshot."
},
"Description" : {
  "deprecated" : false,
  "documentation" : "A description for the EBS snapshot.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"DestinationRegion" : {
  "deprecated" : false,
  "documentation" : "The destination region to use in the <code>PresignedUrl</code> parameter of a
  snapshot copy operation. This parameter is only valid for specifying the destination region in a
  <code>PresignedUrl</code> parameter, where it is required.
  
  <note><p><code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p></note>
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "destinationRegion",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Encrypted" : {
  "deprecated" : false,
"documentation": "<p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

"flattened": false,
"idempotencyToken": false,
"location": "encrypted",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"KmsKeyId": {
"deprecated": false,
"documentation": "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key/abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p> 

"flattened": false,
"idempotencyToken": false,
"location": "kmsKeyId",
"payload": false,
"queryName": "null",
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PresignedUrl": {
"deprecated": false,
"documentation": "<p>The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.</p> 

..."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "presignedUrl",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceRegion" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the region that contains the snapshot to be copied.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceSnapshotId" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the EBS snapshot to copy.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SourceRegion", "SourceSnapshotId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CopySnapshotResult" : {
"deprecated" : false,
"documentation": "<p>Contains the output of CopySnapshot.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"SnapshotId": {
"deprecated": false,
"documentation": "<p>The ID of the new snapshot.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "snapshotId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateCustomerGatewayRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for CreateCustomerGateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"BgpAsn": {
"deprecated": false,
"documentation": "<p>For devices that support BGP, the customer gateway's BGP ASN.</p> Default:
The Internet-routable IP address for the customer gateway's outside interface. The address must be static.

The type of VPN connection that this customer gateway supports.
"CreateCustomerGatewayResult" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the output of CreateCustomerGateway.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "CustomerGateway" : {
            "deprecated" : false,
            "documentation" : "<p>Information about the customer gateway.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "customerGateway",
            "payload" : false,
            "queryName" : null,
            "shape" : "CustomerGateway",
            "streaming" : false,
            "xmlNamespace" : null
        }
    },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
},
"CreateDhcpOptionsRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CreateDhcpOptions.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {

"DhcpConfigurations" : {
  "deprecated" : false,
  "documentation" : "A DHCP configuration option.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "dhcpConfiguration",
  "payload" : false,
  "queryName" : null,
  "shape" : "NewDhcpConfigurationList",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"CreateDhcpOptionsResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of CreateDhcpOptions.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DhcpOptions" : {
      "deprecated" : false,
      "documentation" : "A set of DHCP options.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "dhcpOptions",
      "payload" : false,
      "queryName" : null,
      "shape" : "DhcpOptions",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"CreateEgressOnlyInternetGatewayRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.",
    },
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "The ID of the VPC for which to create the egress-only Internet gateway."
    }
  },
  "VpcId" : {
    "deprecated" : false,
    "documentation" : "The ID of the VPC for which to create the egress-only Internet gateway."
  },
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpcId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateEgressOnlyInternetGatewayResult": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"ClientToken": {
"deprecated": false,
"documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "clientToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"EgressOnlyInternetGateway": {
"deprecated": false,
"documentation": "<p>Information about the egress-only Internet gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "egressOnlyInternetGateway",
"payload": false,
"queryName": null,
"shape" : "EgressOnlyInternetGateway",
"streaming" : false,
"xmlNamespace" : null
},
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateFlowLogsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateFlowLogs.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"deliverLogsPermissionArn" : {
"deprecated" : false,
"documentation" : "<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"LogGroupName" : {
"deprecated" : false,
"documentation" : "<p>The name of the CloudWatch log group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ResourceIds" : {
"deprecated" : false,
"documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ResourceId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
},
"ResourceType" : {
"deprecated" : false,
"documentation" : "<p>The type of resource on which to create the flow log.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "FlowLogsResourceType",
"streaming" : false,
"xmlNamespace" : null
}.
"TrafficType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of traffic to log.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "TrafficType",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ResourceIds", "ResourceType", "TrafficType", "LogGroupName", "DeliverLogsPermissionArn" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateFlowLogsResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateFlowLogs.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "clientToken",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"FlowLogIds" : {
  "deprecated" : false,
  "documentation" : "<p>The IDs of the flow logs.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "flowLogIdSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "ValueStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"Unsuccessful" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the flow logs that could not be created successfully.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "unsuccessful",
  "payload" : false,
  "queryName" : null,
  "shape" : "UnsuccessfulItemSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"CreateImageRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateImage.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"CreateImageResponse" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the response for CreateImage.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
"members": {
"BlockDeviceMappings": {
"deprecated": false,
"documentation": "Information about one or more block device mappings.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "blockDeviceMapping",
"payload": false,
"queryName": null,
"shape": "BlockDeviceMappingRequestList",
"streaming": false,
"xmlNamespace": null
},
"Description": {
"deprecated": false,
"documentation": "A description for the new image.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceId": {
"deprecated": false,
"documentation": "The ID of the instance.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Name": {
"deprecated": false,
"documentation": "A name for the new image.
Constraints: 3-128 alphanumeric characters, parentheses (), square brackets ([]), spaces (), periods (), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)",
"flattened": false,
"idempotencyToken": false,
"location": null,
By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.
"idempotencyToken": false,
"location": null,
"locationName": "imageId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateInstanceExportTaskRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateInstanceExportTask.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Description": {
      "deprecated": false,
      "documentation": "<p>A description for the conversion task or the resource being exported. The maximum
      length is 255 bytes.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "description",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "ExportToS3Task": {
      "deprecated": false,
      "documentation": "<p>The format and location for an instance export task.</p>"
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "exportToS3",
"payload": false,
"queryName": null,
"shape": "ExportToS3TaskSpecification",
"streaming": false,
"xmlNamespace": null
},
"InstanceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "InstanceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"TargetEnvironment": {
  "deprecated": false,
  "documentation": "<p>The target virtualization environment.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "targetEnvironment",
  "payload": false,
  "queryName": null,
  "shape": "ExportEnvironment",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "InstanceId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateInstanceExportTaskResult": {
  "deprecated": false,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"CreateInternetGatewayResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateInternetGateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InternetGateway" : {
"deprecated" : false,
"documentation" : "<p>Information about the Internet gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "internetGateway",
"payload" : false,
"queryName" : null,
"shape" : "InternetGateway",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"CreateKeyPairRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateKeyPair.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "KeyName" : {
    "deprecated" : false,
    "documentation" : "<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>.
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "KeyName" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateKeyPairResult" : {
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the KeyPair object that was sent over the wire."
},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "KeyPair" : {
    "deprecated" : false,
    "documentation" : "<p>Describes a key pair.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"payload" : false,
"queryName" : null,
"shape" : "KeyPair",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNatGatewayRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateNatGateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AllocationId" : {
"deprecated" : false,
"documentation" : "The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ClientToken" : {
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.",
"Constraint: Maximum 64 ASCII characters.",
"payload" : null,
"queryName" : null,
"shape" : "Shape",
"streaming" : false,
"xmlNamespace" : null
}

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"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The subnet in which to create the NAT gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId", "AllocationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNatGatewayResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateNatGateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only
returned if a client token was provided in the request.</p>

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NatGateway" : {
"deprecated" : false,
"documentation" : "Information about the NAT gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "natGateway",
"payload" : false,
"queryName" : null,
"shape" : "NatGateway",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNetworkAclEntryRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for CreateNetworkAclEntry.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CidrBlock" : {
"deprecated" : false,
"documentation": "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "cidrBlock",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Egress": {
"deprecated": false,
"documentation": "Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "egress",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"IcmpTypeCode": {
"deprecated": false,
"documentation": "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Icmp",
"payload": false,
"queryName": null,
"shape": "IcmpTypeCode",
"streaming": false,
"xmlNamespace": null
},
"Ipv6CidrBlock": {
"deprecated": false,
"documentation": "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6CidrBlock",
"payload": false,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"NetworkAclId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the network ACL.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "networkAclId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"PortRange" : {
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "portRange",
  "payload" : false,
  "queryName" : null,
  "shape" : "PortRange",
  "streaming" : false,
  "xmlNamespace" : null
},

"Protocol" : {
  "deprecated" : false,
  "documentation" : "<p>The protocol. A value of &lt;code&gt;-1&lt;/code&gt; or &lt;code&gt;all&lt;/code&gt; means all protocols. If you specify &lt;code&gt;all&lt;/code&gt; or &lt;code&gt;1&lt;/code&gt;, or a protocol number other than &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt; or &lt;code&gt;icmp&lt;/code&gt;, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol &lt;code&gt;58&lt;/code&gt; (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol &lt;code&gt;58&lt;/code&gt; (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "protocol",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
"xmlNamespace" : null,
"RuleAction" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ruleAction",
  "payload" : false,
  "queryName" : null,
  "shape" : "RuleAction",
  "streaming" : false,
  "xmlNamespace" : null
},
"RuleNumber" : {
  "deprecated" : false,
  "documentation" : "<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ruleNumber",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkAclId", "RuleNumber", "Protocol", "RuleAction", "Egress" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNetworkAclRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateNetworkAcl.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
"shape" : "NetworkAcl",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNetworkInterfaceRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateNetworkInterface.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Description" : {
        "deprecated" : false,
        "documentation" : "<p>A description for the network interface.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "description",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "Groups" : {
        "deprecated" : false,
        "documentation" : "<p>The IDs of one or more security groups.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "SecurityGroupId",
        "payload" : false,
        "queryName" : null,
"shape" : "SecurityGroupIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6AddressCount" : {
"deprecated" : false,
"documentation" : "The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6AddressCount",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6Addresses" : {
"deprecated" : false,
"documentation" : "One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6Addresses",
"payload" : false,
"queryName" : null,
"shape" : "InstanceIpv6AddressList",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddress" : {
"deprecated" : false,
"documentation" : "The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary)."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddresses" : {
  "deprecated" : false,
  "documentation" : "<p>One or more private IPv4 addresses.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddresses",
  "payload" : false,
  "queryName" : null,
  "shape" : "PrivateIpAddressSpecificationList",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecondaryPrivateIpAddressCount" : {
  "deprecated" : false,
  "documentation" : "<p>The number of secondary private IPv4 addresses to assign to a network interface.
When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the
subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using
<code>privateIpAddresses</code>.</p> <p>The number of IP addresses you can assign to a network interface
varies by instance type. For more information, see <a
P>IP Addresses
Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "secondaryPrivateIpAddressCount",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"SubnetId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the subnet to associate with the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "subnetId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNetworkInterfaceResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateNetworkInterface.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NetworkInterface" : {
"deprecated" : false,
"documentation" : "<p>Information about the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterface",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterface",
"streaming" : false,
"xmlNamespace" : null
}
},
"CreatePlacementGroupRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreatePlacementGroup.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "GroupName" : {
    "deprecated" : false,
    "documentation" : "<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Strategy" : {
    "deprecated" : false,
    "documentation" : "<p>The placement strategy.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "strategy",
    "payload" : false,
    "queryName" : null,
    "shape" : "PlacementStrategy",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupName", "Strategy" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateReservedInstancesListingRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "GroupName" : {
    "deprecated" : false,
    "documentation" : "<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Strategy" : {
    "deprecated" : false,
    "documentation" : "<p>The placement strategy.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "strategy",
    "payload" : false,
    "queryName" : null,
    "shape" : "PlacementStrategy",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"CreateReservedInstancesListingRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
"error" : null,
"exception" : false,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ClientToken": {
    "deprecated": false,
    "documentation": "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see </p><a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.”,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "clientToken",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "InstanceCount": {
    "deprecated": false,
    "documentation": "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>”,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "instanceCount",
    "payload": false,
    "queryName": null,
    "shape": "Integer",
    "streaming": false,
    "xmlNamespace": null
  },
  "PriceSchedules": {
    "deprecated": false,
    "documentation": "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>”,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "priceSchedules"}
"payload": false,
"queryName": null,
"shape": "PriceScheduleSpecificationList",
"streaming": false,
"xmlNamespace": null
}

"ReservedInstancesId": {
"deprecated": false,
"documentation": "<p>The ID of the active Standard Reserved Instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reservedInstancesId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}

"CreateReservedInstancesListingResult": {
"deprecated": false,
"documentation": "<p>Contains the output of CreateReservedInstancesListing.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"ReservedInstancesListings": {
"deprecated": false,
"documentation": "<p>Information about the Standard Reserved Instance listing.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reservedInstancesListingsSet",}
"payload": false,
"queryName": null,
"shape": "ReservedInstancesListingList",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateRouteRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for CreateRoute.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"DestinationCidrBlock": {
"deprecated": false,
"documentation": "<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "destinationCidrBlock",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"DestinationIpv6CidrBlock": {
"deprecated": false,
"documentation": "<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "destinationIpv6CidrBlock",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"EgressOnlyInternetGatewayId": {
"deprecated": false,
"documentation": "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "egressOnlyInternetGatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"GatewayId": {
"deprecated": false,
"documentation": "<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "gatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"NatGatewayId" : {
  "deprecated" : false,
  "documentation" : "[IPv4 traffic only] The ID of a NAT gateway.,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "natGatewayId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"NetworkInterfaceId" : {
  "deprecated" : false,
  "documentation" : "The ID of a network interface.,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "networkInterfaceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"RouteTableId" : {
  "deprecated" : false,
  "documentation" : "The ID of the route table for the route.,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "routeTableId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcPeeringConnectionId" : {
  "deprecated" : false,
  "documentation" : "The ID of a VPC peering connection.,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcPeeringConnectionId",
  "payload" : false,
  "queryName" : null,
}
"members" : {  
"RouteTable" : {  
"deprecated" : false,  
"documentation" : "<p>Information about the route table.</p>",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "routeTable",  
"payload" : false,  
"shape" : "RouteTable",  
"streaming" : false,  
"xmlNamespace" : null  
}  
},  
"min" : 0,  
"pattern" : null,  
"payload" : false,  
"required" : null,  
"streaming" : false,  
"type" : "structure",  
"value" : null,  
"wrapper" : false  
},  
"CreateSecurityGroupRequest" : {  
"deprecated" : false,  
"documentation" : "<p>Contains the parameters for CreateSecurityGroup.</p>",  
"enum" : null,  
"error" : null,  
"exception" : false,  
"fault" : false,  
"flattened" : false,  
"key" : null,  
"max" : 0,  
"member" : null,  
"members" : {  
"Description" : {  
"deprecated" : false,  
"documentation" : "<p>A description for the security group. This is informational only.</p>  
"Constraints: Up to 255 characters in length</p>  
"Constraints for EC2-Classic: ASCII characters</p>  
"Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/(#@[]+&amp;[ ]!)$"</p> ",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "GroupDescription",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"type" : "structure",  
"value" : null,  
"xmlNamespace" : null  
}  
}
"streaming": false,
"xmlNamespace": null
},
"GroupName": {
  "deprecated": false,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"VpcId": {
  "deprecated": false,
  "documentation": "The ID of the VPC. Required for EC2-VPC.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["GroupName", "Description"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateSecurityGroupResult": {
  "deprecated": false,
  "documentation": "Contains the output of CreateSecurityGroup.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "GroupId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the security group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateSnapshotRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateSnapshot.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Description" : {
      "deprecated" : false,
      "documentation" : "<p>A description for the snapshot.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeId" : {
"deprecated" : false,
"documentation" : "The ID of the EBS volume.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
},
"CreateSnapshotResult" : {
"deprecated" : false,
"documentation" : "A simple result wrapper around the Snapshot object that was sent over the wire.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Snapshot" : {
"deprecated" : false,
"documentation" : "Describes a snapshot.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Snapshot",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"CreateSpotDatafeedSubscriptionRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateSpotDatafeedSubscription.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Bucket" : {
"deprecated" : false,
"documentation" : "The Amazon S3 bucket in which to store the Spot instance data feed.".
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bucket",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
,"Prefix" : {
"deprecated" : false,
"documentation" : "A prefix for the data feed file names.".
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "prefix",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}

"min": 0,
"pattern": null,
"payload": null,
"required": [ "Bucket" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}

"CreateSpotDatafeedSubscriptionResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateSpotDatafeedSubscription.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": false,
  "max": 0,
  "member": null,
  "members": {
    "SpotDatafeedSubscription": {
      "deprecated": false,
      "documentation": "<p>The Spot instance data feed subscription.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "spotDatafeedSubscription",
      "payload": false,
      "queryName": null,
      "shape": "SpotDatafeedSubscription",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}

"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"CreateSubnetRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateSubnet.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone for the subnet.</p> 
      "Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "CidrBlock" : {
      "deprecated" : false,
      "documentation" : "<p>The IPv4 network range for the subnet, in CIDR notation. For example, <code>10.0.0.0/24</code>.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Ipv6CidrBlock" : {
      "deprecated" : false,
      "documentation" : "<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "The ID of the VPC.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId", "CidrBlock" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateSubnetResult" : {
"deprecated" : false,
"documentation" : "Contains the output of CreateSubnet.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Subnet" : {
"deprecated" : false,
"documentation" : "Information about the subnet.",
"flattened" : false,
"idempotencyToken" : false,
"location": null,
"locationName": "subnet",
"payload": false,
"queryName": null,
"shape": "Subnet",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateTagsRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateTags.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Resources": {
      "deprecated": false,
      "documentation": "<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "ResourceId",
      "payload": false,
      "queryName": null,
      "shape": "ResourceIdList",
      "streaming": false,
      "xmlNamespace": null
    },
    "Tags": {
      "deprecated": false,
      "documentation": "<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.</p>"
    }
  }
}
"idempotencyToken": false,
"location": null,
"locationName": "Tag",
"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["Resources", "Tags"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateVolumePermission": {
  "deprecated": false,
  "documentation": "Describes the user or group to be added or removed from the permissions for a volume.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Group": {
      "deprecated": false,
      "documentation": "The specific group that is to be added or removed from a volume's list of create volume permissions.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "group",
      "payload": false,
      "queryName": null,
      "shape": "PermissionGroup",
      "streaming": false,
      "xmlNamespace": null
    },
    "UserId": {
      "deprecated": false,
"documentation": "The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n\n"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "userId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
}
},
"CreateVolumePermissionList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "CreateVolumePermission",
"streaming": false,
"xmlns": null
},
"members": [ ],
"min": 0,
"pattern": 0,
"pattern": null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"CreateVolumePermissionModifications" : {
"deprecated" : false,
"documentation" : "<p>Describes modifications to the permissions for a volume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Add" : {
"deprecated" : false,
"documentation" : "<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "CreateVolumePermissionList",
"streaming" : false,
"xmlNamespace" : null
},
"Remove" : {
"deprecated" : false,
"documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "CreateVolumePermissionList",
"streaming" : false,
"xmlNamespace" : null
}
}
"CreateVolumeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateVolume.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Encrypted" : {
      "deprecated" : false,
      "documentation" : "<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "encrypted",
      "payload" : "encrypted",
      "streaming" : false,
      "type" : "structure",
      "value" : null,
      "wrapper" : false
    }
  }
}
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Iops": {
"deprecated": false,
"documentation": "<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"KmsKeyId": {
"deprecated": false,
"documentation": "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Size": {
"deprecated": false,
"documentation": "<p>The size of the volume, in GiBs. Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"SnapshotId": {
"deprecated": false,
"documentation": "<p>The snapshot from which to create the volume.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VolumeType": {
"deprecated": false,
"documentation": "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> Default: <code>standard</code>.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "VolumeType",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "AvailabilityZone" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateVolumeResult": {
"location": null,
"deprecated" : false,
"documentation" : "A simple result wrapper around the Volume object that was sent over the wire.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Volume" : {
        "deprecated" : false,
        "documentation" : "<p>Describes a volume.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "Volume",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcEndpointRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CreateVpcEndpoint.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "ClientToken" : {
            "deprecated" : false,
Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see "<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.

One or more route table IDs.

The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the <a>DescribeVpcEndpointServices</a> request.
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC in which the endpoint will be used.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId", "ServiceName" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcEndpointResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateVpcEndpoint.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>"
    }
  }
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcEndpoint" : {
 "deprecated" : false,
 "documentation" : "<p>Information about the endpoint.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "vpcEndpoint",
 "payload" : false,
 "queryName" : null,
 "shape" : "VpcEndpoint",
 "streaming" : false,
 "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcPeeringConnectionRequest" : {
 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for CreateVpcPeeringConnection.</p>",
 "enum" : null,
 "error" : null,
 "exception" : false,
 "fault" : false,
 "flattened" : false,
 "key" : null,
 "max" : 0,
 "member" : null,
 "members" : {
 "PeerOwnerId" : {
 "deprecated" : false,
 "documentation" : "<p>The AWS account ID of the owner of the peer VPC.</p> Default: Your AWS
account ID</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "peerOwnerId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PeerVpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC with which you are creating the VPC peering connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "peerVpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the requester VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcPeeringConnectionResult" : {


"deprecated" : false,
"documentation" : "<p>Contains the output of CreateVpcPeeringConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "VpcPeeringConnection" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the VPC peering connection.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcPeeringConnection",
    "payload" : false,
    "queryName" : null,
    "shape" : "VpcPeeringConnection",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateVpc.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AmazonProvidedIpv6CidrBlock" : {
      "deprecated" : false,
"documentation": "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "amazonProvidedIpv6CidrBlock",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"CidrBlock": {
"deprecated": false,
"documentation": "<p>The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceTenancy": {
"deprecated": false,
"documentation": "<p>The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC.</p>
<p>Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p> Default: <code>default</code>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceTenancy",
"payload": false,
"queryName": null,
"shape": "Tenancy",
"streaming": false,
"xmlNamespace": null
}
"required" : [ "CidrBlock" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"CreateVpcResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateVpc.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Vpc" : {
"deprecated" : false,
"documentation" : "<p>Information about the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpc",
"payload" : false,
"queryName" : null,
"shape" : "Vpc",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"CreateVpnConnectionRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateVpnConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "CustomerGatewayId": {
    "deprecated": false,
    "documentation": "The ID of the customer gateway.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Options": {
    "deprecated": false,
    "documentation": "Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify true. Default: false.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "options",
    "payload": false,
    "queryName": null,
    "shape": "VpnConnectionOptionsSpecification",
    "streaming": false,
    "xmlNamespace": null
  },
  "Type": {
    "deprecated": false,
    "documentation": "The type of VPN connection (ipsec.1).",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "VpnGatewayId": {
    "deprecated": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
}
"documentation": "The ID of the virtual private gateway.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["Type", "CustomerGatewayId", "VpnGatewayId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
},
"CreateVpnConnectionResult": {
"deprecated": false,
"documentation": "Contains the output of CreateVpnConnection.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpnConnection": {
"deprecated": false,
"documentation": "Information about the VPN connection.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "VpnConnection",
"payload": false,
"queryName": null,
"shape": "VpnConnection",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"CreateVpnConnectionRouteRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateVpnConnectionRoute.</p>",
"enum" : null,
"error" : null,
"exceptio...ag the local subnet of the customer network.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpnConnectionId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern": null,
"payload": null,
"required": [ "VpnConnectionId", "DestinationCidrBlock" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateVpnGatewayRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateVpnGateway.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AvailabilityZone": {
      "deprecated": false,
      "documentation": "<p>The Availability Zone for the virtual private gateway.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Type": {
      "deprecated": false,
      "documentation": "<p>The type of VPN connection this virtual private gateway supports.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "GatewayType",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"min": 0,
"CreateVpnGatewayResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateVpnGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "VpnGateway" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the virtual private gateway.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "vpnGateway",
      "payload" : false,
      "queryName" : null,
      "shape" : "VpnGateway",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"CurrencyCodeValues" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "USD" ],
  "error" : null,
  "pattern" : null,
  "payload" : null,
  "required" : [ "Type" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
}
"exception" : false,
"fault" : false,
"flat" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"CustomerGateway" : {
"deprecated" : false,
"documentation" : "<p>Describes a customer gateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flat" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [    "BgpAsn" : {
"deprecated" : false,
"documentation" : "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN)."",
"flat" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bgpAsn",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
    },
"CustomerGatewayId" : {
"deprecated" : false,
"documentation" : "The ID of the customer gateway."",
"flat" : false,
"idempotencyToken" : false,
"location" : null,
The type of VPN connection the customer gateway supports (\texttt{ipsec.1}).
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"DateTime": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "timestamp",
"value": null,
"wrapper": false
},
"DeleteCustomerGatewayRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DeleteCustomerGateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ]
}
"deprecated" : false,
"documentation" : "<p>The ID of the customer gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "CustomerGatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteDhcpOptionsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteDhcpOptions.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"DhcpOptionsId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the DHCP options set.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "DhcpOptionsId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "DhcpOptionsId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"DeleteEgressOnlyInternetGatewayRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "EgressOnlyInternetGatewayId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "EgressOnlyInternetGatewayId",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "EgressOnlyInternetGatewayId" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
}

"DeleteEgressOnlyInternetGatewayResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ReturnCode" : {
    "deprecated" : false,
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "returnCode",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteFlowLogsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteFlowLogs.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "FlowLogIds" : {
      "deprecated" : false,
      "documentation" : "<p>One or more flow log IDs.</p>",
      "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "FlowLogId",
"payload": false,
"queryName": null,
"shape": "ValueStringList",
"streaming": false,
"xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "FlowLogIds" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DeleteFlowLogsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DeleteFlowLogs.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Unsuccessful": {
"deprecated": false,
"documentation": "<p>Information about the flow logs that could not be deleted successfully.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "unsuccessful",
"payload": false,
"queryName": null,
"shape": "UnsuccessfulItemSet",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}],
"DeleteInternetGatewayRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DeleteInternetGateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"InternetGatewayId": {
"deprecated": false,
"documentation": "<p>The ID of the Internet gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "internetGatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["InternetGatewayId"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}],
"DeleteKeyPairRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DeleteKeyPair.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "KeyName" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "KeyName" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"DeleteNatGatewayRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteNatGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NatGatewayId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the NAT gateway.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
    },
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "NatGatewayId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DeleteNatGatewayResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DeleteNatGateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"NatGatewayId": {
"deprecated": false,
"documentation": "<p>The ID of the NAT gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "natGatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper" : false
},
"DeleteNetworkAclEntryRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteNetworkAclEntry.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Egress" : {
      "deprecated" : false,
      "documentation" : "<p>Indicates whether the rule is an egress rule.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "egress",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "NetworkAclId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the network ACL.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "networkAclId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "RuleNumber" : {
      "deprecated" : false,
      "documentation" : "<p>The rule number of the entry to delete.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ruleNumber",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkAclId", "RuleNumber", "Egress" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteNetworkAclRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteNetworkAcl.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NetworkAclId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network ACL.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkAclId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkAclId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"DeleteNetworkInterfaceRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteNetworkInterface.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "NetworkInterfaceId" : {
            "deprecated" : false,
            "documentation" : "<p>The ID of the network interface.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "networkInterfaceId",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : [ "NetworkInterfaceId" ],
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
},
"DeletePlacementGroupRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeletePlacementGroup.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
"members": {  
  "GroupName": {  
    "deprecated": false,  
    "documentation": "The name of the placement group."  
  }  
},  
"min": 0,  
"pattern": null,  
"payload": null,  
"required": [ "GroupName" ],  
"streaming": false,  
"type": "structure",  
"value": null,  
"wrapper": false  
}
"xmlNamespace" : null
},
"DestinationIpv6CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for
the route exactly.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "destinationIpv6CidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RouteTableId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "routeTableId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "RouteTableId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteRouteTableRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteRouteTable.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max": 0,
"member": null,
"members": {
  "RouteTableId": {
    "deprecated": false,
    "documentation": "The ID of the route table. Required for a nondefault VPC.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "routeTableId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "RouteTableId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DeleteSecurityGroupRequest": {
  "deprecated": false,
  "documentation": "Contains the parameters for DeleteSecurityGroup.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "GroupId": {
      "deprecated": false,
      "documentation": "The ID of the security group. Required for a nondefault VPC.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"streaming": false,
"xmlNamespace": null
},
"GroupName": {
  "deprecated": false,
  "documentation": 
    "<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DeleteSnapshotRequest": {
  "deprecated": false,
  "documentation": 
    "<p>Contains the parameters for DeleteSnapshot.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "SnapshotId": {
      "deprecated": false,
      "documentation": 
        "<p>The ID of the EBS snapshot.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SnapshotId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
),
"DeleteSpotDatafeedSubscriptionRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteSpotDatafeedSubscription.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
),
"DeleteSubnetRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteSubnet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SubnetId" : {
...
"deprecated": false,
"documentation": "<p>The ID of the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},

"min": 0,
"pattern": null,
"payload": null,
"required": [ "SubnetId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"DeleteTagsRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DeleteTags.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Resources": {
"deprecated": false,
"documentation": "<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "resourceId",
"payload": false,
"queryName": null,
"shape": "ResourceIdList",
"streaming": false,
"xmlnsNamespace": null
},

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"Tags" : {
"deprecated" : false,
"documentation" : "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tag",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Resources" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
},
"DeleteVolumeRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for DeleteVolume."
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VolumeId" : {
"deprecated" : false,
"documentation" : "The ID of the volume."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"deprecated" : false,
"documentation" : "<p>Contains the output of DeleteVpcEndpoints.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Unsuccessful" : {
        "deprecated" : false,
        "documentation" : "<p>Information about the endpoints that were not successfully deleted.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "unsuccessful",
        "payload" : false,
        "queryName" : null,
        "shape" : "UnsuccessfulItemSet",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpcPeeringConnectionRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteVpcPeeringConnection.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "VpcPeeringConnectionId" : {
            "deprecated" : false,
"documentation": "<p>The ID of the VPC peering connection.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcPeeringConnectionId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpcPeeringConnectionId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
},
"DeleteVpcPeeringConnectionResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DeleteVpcPeeringConnection.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Return": {
"deprecated": false,
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "return",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlnsNamespace": null
}
}
},
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "VpnConnectionId" : {
        "deprecated" : false,
        "documentation" : "The ID of the VPN connection.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpnConnectionId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpnConnectionRouteRequest" : {
    "deprecated" : false,
    "documentation" : "Contains the parameters for DeleteVpnConnectionRoute."
}
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpnConnectionId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpnConnectionId", "DestinationCidrBlock" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
},
"DeleteVpnGatewayRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteVpnGateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpnGatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpnGatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"DeregisterImageRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeregisterImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {

"ImageId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the AMI.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null

"ImageId"
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ImageId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"DescribeAccountAttributesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeAccountAttributes.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AttributeNames" : {
"deprecated" : false,
"documentation" : "One or more account attribute names.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attributeName",
"payload" : false,
"queryName" : null,
"shape" : "AccountAttributeNameStringList",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"DescribeAccountAttributesResult" : {
"deprecated" : false,
"documentation" : "Contains the output of DescribeAccountAttributes.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "AccountAttributes" : {
        "deprecated" : false,
        "documentation" : "Information about one or more account attributes.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "accountAttributeSet",
        "payload" : false,
        "queryName" : null,
        "shape" : "AccountAttributeList",
        "streaming" : false,
        "xmlnsNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeAddressesRequest" : {
    "deprecated" : false,
    "documentation" : "Contains the parameters for DescribeAddresses.",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "AllocationIds" : {
            "deprecated" : false,
            "documentation" : "One or more allocation IDs. Default: Describes all your Elastic IP addresses.",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "AllocationId",
            "payload" : "AllocationId",
            "streaming" : false,
            "type" : "structure",
            "value" : null,
            "wrapper" : false
        }
    }
}
"queryName" : null,
"shape" : "AllocationIdList",
"streaming" : false,
"xmlNamespace" : null
},
"Filters" : {
"deprecated" : false,
"documentation" : "One or more filters. Filter names and values are case-sensitive.
<p>\[ EC2-VPC \] The allocation ID for the address.</p>
\[ EC2-VPC \] The association ID for the address.
\[ EC2-VPC \] The ID of the instance the address is associated with, if any.
\[ EC2-VPC \] The ID of the network interface that the address is associated with, if any.
\[ EC2-VPC \] The private IP address associated with the Elastic IP address.
\[ EC2-Classic \] One or more Elastic IP addresses.
Default: Describes all your Elastic IP addresses.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"PublicIps" : {
"deprecated" : false,
"documentation" : "\[ EC2-Classic \] One or more Elastic IP addresses.
Default: Describes all your Elastic IP addresses.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "PublicIp",
"payload" : false,
"queryName" : null,
"shape" : "PublicIpStringList",
"streaming" : false,
"xmlNamespace" : null
}
"wrapper" : false
},
"DescribeAddressesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeAddresses.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Addresses" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more Elastic IP addresses.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "addressesSet",
"payload" : false,
"queryName" : null,
"shape" : "AddressList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeAvailabilityZonesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeAvailabilityZones.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AvailabilityZones": {
    "deprecated": false,
    "documentation": "<p>Information about one or more Availability Zones.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "availabilityZoneInfo",
    "payload": false,
    "queryName": null,
    "shape": "AvailabilityZoneList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeBundleTasksRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeBundleTasks.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "BundleIds": {
      "deprecated": false,
      "documentation": "<p>One or more bundle task IDs. Default: Describes all your bundle tasks.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "BundleId",
      "payload": false,
      "queryName": null,
      "shape": "BundleTaskSummaryList",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"payload" : false,
"queryName" : null,
"shape" : "BundleIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Filters" : {
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task. </p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned. </p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned. </p> </li> <li> <p> <code>instance-id</code> - The ID of the instance. </p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%). </p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI. </p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name. </p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z). </p> </li> <li> <p> <code>state</code> - The state of the task. </p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task. </p> </li> </ul>\n\n"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeBundleTasksResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeBundleTasks.\</p>\n\n\n"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "BundleTasks" : {
    "deprecated" : false,
    "documentation" : "Information about one or more bundle tasks."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "bundleInstanceTasksSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "BundleTaskList",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeClassicLinkInstancesRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for DescribeClassicLinkInstances."",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "One or more filters."",
      "ul" : "li" <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.<p> <li> <p> <code>instance-id</code> - The ID of the instance.<p> <li> <p> <code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.<p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XL\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<p> <li> <p> <code>tag-
<p>The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 
<li><code>vpc-id</code> - The ID of the VPC that the instance is linked to.</li>

```json
{
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "Filter",
  "payload": false,
  "queryName": null,
  "shape": "FilterList",
  "streaming": false,
  "xmlNamespace": null
}
```

```
{
  "InstanceIds": {
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "InstanceId",
    "payload": false,
    "queryName": null,
    "shape": "InstanceIdStringList",
    "streaming": false,
    "xmlNamespace": null
  },
  "MaxResults": {
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "maxResults",
    "payload": false,
    "queryName": null,
    "shape": "Integer",
    "streaming": false,
    "xmlNamespace": null
  },
  "NextToken": {
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "NextToken",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
}
```

<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>

```json
{
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "InstanceId",
  "payload": false,
  "queryName": null,
  "shape": "InstanceIdStringList",
  "streaming": false,
  "xmlNamespace": null
}
```

<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p>

<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>

```json
{
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "maxResults",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
}
```

<p>The token to retrieve the next page of results.</p>
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
],
"DescribeClassicLinkInstancesResult" : {
"deprecated" : false,
"documentation" : " \(<p>\text{Contains the output of DescribeClassicLinkInstances.}</p>\)",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Instances" : {
"deprecated" : false,
"documentation" : " \(<p>\text{Information about one or more linked EC2-Classic instances.}</p>\)",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instancesSet",
"payload" : false,
"queryName" : null,
"shape" : "ClassicLinkInstanceList",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : " \(<p>\text{The token to use to retrieve the next page of results. This value is } \text{null} \text{ when there are no more results to return.}</p>\)"}},
}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeConversionTaskList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "ConversionTask",
"streaming": false,
"xmlNamespace": null
},
"members": [ { }
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"DescribeConversionTasksRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeConversionTasks.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ConversionTaskIds" : {
"deprecated" : false,
"documentation" : "<p>One or more conversion task IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "conversionTaskId",
"payload" : false,
"queryName" : null,
"shape" : "ConversionIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeConversionTasksResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeConversionTasks.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ConversionTasks" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the conversion tasks.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "conversionTasks",
    "payload" : false,
    "queryName" : null,
    "shape" : "DescribeConversionTaskList",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeCustomerGatewaysRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeCustomerGateways.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CustomerGatewayIds" : {
      "deprecated" : false,
      "documentation" : "<p>One or more customer gateway IDs. Default: Describes all your customer gateways.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "CustomerGatewayId",
      "payload" : false,
"queryName": null,
"shape": "CustomerGatewayIdStringList",
"streaming": false,
"xmlNamespace": null
},
"Filters": {
  "deprecated": false,
  "documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>bgp-asn</code> - The customer gateway’s Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of the customer gateway.</p> </li> <li> <p> <code>ip-address</code> - The IP address of the customer gateway’s Internet-routable external interface.</p> </li> <li> <p> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>"
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CustomerGateways" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more customer gateways.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "customerGatewaySet",
"payload" : false,
"queryName" : null,
"shape" : "CustomerGatewayList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeDhcpOptionsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeDhcpOptions.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"DhcpOptionsIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of one or more DHCP options sets.</p> Default: Describes all your DHCP options sets.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "DhcpOptionsId",
"payload" : false,
"queryName" : null,
"shape" : "DhcpOptionsIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</p> </li> <li> <p> <code>value</code> - The value for one of the options.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code> filter. This filter is independent of the <code>tag-value</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeDhcpOptionsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeDhcpOptions.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {

  "DhcpOptions" : {
    "deprecated" : false,
    "documentation" : "<p>Information about one or more DHCP options sets.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "dhcpOptionsSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "DhcpOptionsList",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeEgressOnlyInternetGatewaysRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "EgressOnlyInternetGatewayIds" : {
      "deprecated" : false,
      "documentation" : "<p>One or more egress-only Internet gateway IDs.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "EgressOnlyInternetGatewayId",
      ...
"payload" : false,
"queryName" : null,
"shape" : "EgressOnlyInternetGatewayIdList",
"streaming" : false,
"xmlnsNamespace" : null
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeEgressOnlyInternetGatewaysResult" : {
  "deprecated" : false,
  "documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "EgressOnlyInternetGateways" : {
        "deprecated" : false,
        "documentation" : "<p>Information about the egress-only Internet gateways.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "egressOnlyInternetGatewaySet",
        "payload" : false,
        "queryName" : null,
        "shape" : "EgressOnlyInternetGatewayList",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "NextToken" : {
        "deprecated" : false,
        "documentation" : "<p>The token to use to retrieve the next page of results.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "nextToken",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeExportTasksRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeExportTasks.</p>",

"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ExportTaskIds": {
    "deprecated": false,
    "documentation": "<p>One or more export task IDs.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "exportTaskId",
    "payload": false,
    "queryName": null,
    "shape": "ExportTaskIdStringList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeExportTasksResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output for DescribeExportTasks.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ExportTasks": {
      "deprecated": false,
      "documentation": "<p>Information about the export tasks.</p>",
      "flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "exportTaskSet",
"payload" : false,
"queryName" : null,
"shape" : "ExportTaskList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false,
"DescribeFlowLogsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeFlowLogs.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filter" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
}
"FlowLogIds" : {
    "deprecated" : false,
    "documentation" : "One or more flow log IDs.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "FlowLogId",
    "payload" : false,
    "queryName" : null,
    "shape" : "ValueStringList",
    "streaming" : false,
    "xmlNamespace" : null
},
"MaxResults" : {
    "deprecated" : false,
    "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
},
"NextToken" : {
    "deprecated" : false,
    "documentation" : "The token to retrieve the next page of results.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
}
}
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"DescribeFlowLogsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeFlowLogs.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"FlowLogs" : {
"deprecated" : false,
"documentation" : "<p>Information about the flow logs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "flowLogSet",
"payload" : false,
"queryName" : null,
"shape" : "FlowLogSet",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostReservationOfferingsRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filter" : {
      "deprecated" : false,
      "documentation" : "One or more filters. 
      - <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). 
      - <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "FilterList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "MaxDuration" : {
      "deprecated" : false,
      "documentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"MaxResults" : {
    "deprecated" : false,
    "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
},
"MinDuration" : {
    "deprecated" : false,
    "documentation" : "This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year."
},
"NextToken" : {
    "deprecated" : false,
    "documentation" : "The token to use to retrieve the next page of results.
"},
"documentation" : "The ID of the reservation offering.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostReservationOfferingsResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"OfferingSet" : {

"deprecated" : false,
"documentation" : "<p>Information about the offerings.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "offeringSet",
"payload" : false,
"queryName" : null,
"shape" : "HostOfferingSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostReservationsRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filter" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "FilterList",}
"streaming": false,
"xmlNamespace": null
},
"HostReservationIdSet": {
"deprecated": false,
"documentation": "One or more host reservation IDs."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "HostReservationIdSet",
"streaming": false,
"xmlNamespace": null
},
"MaxResults": {
"deprecated": false,
"documentation": "The maximum number of results to return for the request in a single page. The
remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This
value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an
error."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
"deprecated": false,
"documentation": "The token to use to retrieve the next page of results.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeHostReservationsResult": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"HostReservationSet": {
"deprecated": false,
"documentation": "Details about the reservation's configuration.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "hostReservationSet",
"payload": false,
"queryName": null,
"shape": "HostReservationSet",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
"deprecated": false,
"documentation": "The token to use to retrieve the next page of results. This value is null when there are no more results to return.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeHosts.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filter" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> <ul>
  <li> <p> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</p> </li>
  <li> <p> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</p> </li>
  <li> <p> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</p> </li>
  <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li>
  <li> <p> <code>availability-zone</code> - The Availability Zone of the host.</p> </li>
</ul>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "filter",
  "payload" : false,
  "queryName" : null,
  "shape" : "FilterList",
  "streaming" : false,
  "xmlNamespace" : null
},
"HostIds" : {
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hostId",

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"payload" : false,
"queryName" : null,
"shape" : "RequestHostIdList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "maxResults",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeHosts.</p>"}
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Hosts" : {
        "deprecated" : false,
        "documentation" : "<p>Information about the Dedicated Hosts.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "hostSet",
        "payload" : false,
        "queryName" : null,
        "shape" : "HostList",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "NextToken" : {
        "deprecated" : false,
        "documentation" : "<p>The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "nextToken",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeIamInstanceProfileAssociationsRequest" : {
    "deprecated" : false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AssociationIds": {
    "deprecated": false,
    "documentation": "One or more IAM instance profile associations.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "AssociationId",
    "payload": false,
    "queryName": null,
    "shape": "AssociationIdList",
    "streaming": false,
    "xmlNamespace": null
  },
  "Filters": {
    "deprecated": false,
    "documentation": "One or more filters.
    \n    - \(\text{instance-id}\) - The ID of the instance.
    \(\text{state}\) - The state of the association \(\text{associating} \mid \text{associated} \mid \text{disassociating} \mid \text{disassociated}\).
    ",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "Filter",
    "payload": false,
    "queryName": null,
    "shape": "FilterList",
    "streaming": false,
    "xmlNamespace": null
  },
  "MaxResults": {
    "deprecated": false,
    "documentation": "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned \(\text{NextToken}\) value.
    ",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null
  }
},
"MaxResults": {
"shape" : "MaxResults",
"streaming" : false, 
"xmlNamespace" : null 
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"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to request the next page of results.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null, 
"locationName" : null, 
"payload" : false,
"queryString" : null, 
"shape" : "NextToken",
"streaming" : false,
"xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false 
},
"DescribeIamInstanceProfileAssociationsResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"IamInstanceProfileAssociations" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more IAM instance profile associations.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null, 
"locationName" : "iamInstanceProfileAssociationSet",
"payload" : false,
"queryString" : null,
"shape" : "IamInstanceProfileAssociationSet",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "nextToken",
  "payload" : false,
  "queryName" : null,
  "shape" : "NextToken",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"DescribeIdFormatRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeIdFormat.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Resource" : {
      "deprecated" : false,
      "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
"value": null,
"wrapper": false
},
"DescribeIdentityIdFormatRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeIdentityIdFormat.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"PrincipalArn": {
"deprecated": false,
"documentation": "<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "principalArn",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Resource": {
"deprecated": false,
"documentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>  </p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "resource",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "PrincipalArn" ];
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeIdentityIdFormatResult": {
"deprecated": false,
"documentation": 
"<p>Contains the output of DescribeIdentityIdFormat.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Statuses": {
"deprecated": false,
"documentation": 
"<p>Information about the ID format for the resources.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusSet",
"payload": false,
"queryName": null,
"shape": "IdFormatList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeImageAttributeRequest": {
"deprecated": false,
"documentation": 
"<p>Contains the parameters for DescribeImageAttribute.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Attribute" : {
        "deprecated" : false,
        "documentation" : "The AMI attribute. Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI."
    },
    "ImageId" : {
        "deprecated" : false,
        "documentation" : "The ID of the AMI.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ImageId", "Attribute" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeImageAttributeResult" : {
    "deprecated" : false,
    "documentation" : "A simple result wrapper around the ImageAttribute object that was sent over the wire.",
    "enum" : null,
    "error" : null,
    "exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ImageAttribute" : {  
    "deprecated" : false,
    "documentation" : "<p>Describes an image attribute.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "ImageAttribute",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeImagesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeImages.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ExecutableUsers" : {  
      "deprecated" : false,
      "documentation" : "<p>Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
"locationName" : "ExecutableBy",
"payload" : false,
"queryName" : null,
"shape" : "ExecutableByStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Filters" : {
"deprecated" : false,
"documentation" : "One or more filters.\n\n- The image architecture: `<code>i386</code> | <code>x86_64</code>\n- The device name for the EBS volume (for example, <code>dev/sdh</code>)\n- The ID of the snapshot used for the EBS volume\n- The volume size of the EBS volume in GiB\n- The volume type of the EBS volume\n- The ID of the AMI (provided during image creation)\n- The name of the AMI\n- The name of the AWS account\n- The owner ID of the image\n- The platform\n- The product code\n- The product code type\n- The root device name\n- The state of the image\n- The state reason code\n- The state reason message\n- The type of the root device volume\n- The type of the snapshot\n- The type of the snapshot owner\n- The volume ID\n- The volume size of the EBS volume\n\nSpecify the key/value combination of a tag assigned to the resource. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.\n\nSpecify the key of a tag assigned to the resource. This filter is independent of the tag=value filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the filter assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the
<code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>).</p>

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryString" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
}

"ImageIds" : {
"deprecated" : false,
"documentation" : "One or more image IDs. Default: Describes all images available to you."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ImageId",
"payload" : false,
"queryString" : null,
"shape" : "ImageIdStringList",
"streaming" : false,
"xmlNamespace" : null
}

"Owners" : {
"deprecated" : false,
"documentation" : "Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Owner",
"payload" : false,
"queryString" : null,
"shape" : "OwnerStringList",
"streaming" : false,
"xmlNamespace" : null
}
"member" : null,
"members" : {
    "Filters" : {
        "deprecated" : false,
        "documentation" : "<p>Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "FilterList",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "ImportTaskIds" : {
        "deprecated" : false,
        "documentation" : "<p>A list of import image task IDs.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "ImportTaskId",
        "payload" : false,
        "queryName" : null,
        "shape" : "ImportTaskIdList",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "MaxResults" : {
        "deprecated" : false,
        "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "Integer",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "NextToken" : {
        "deprecated" : false,
        "documentation" : "<p>A token that indicates the next page of results.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "NextToken",
        "streaming" : false,
        "xmlnsNamespace" : null
    }
}
}
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"DescribeImportImageTasksResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeImportImageTasks.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ImportImageTasks" : {
"deprecated" : false,
"documentation" : "<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "importImageTaskSet",
"payload" : false,
"queryString" : null,
"shape" : "ImportImageTaskList",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "ImportImageTaskList",
"streaming" : false,
"xmlNamespace" : null
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeImportSnapshotTasksRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeImportSnapshotTasks.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
}
},
"ImportTaskIds" : {
"deprecated" : false,
"documentation" : "<p>A list of import snapshot task IDs.</p>",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"MaxResults" : {
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}

"NextToken" : {
"documentation" : "<p>A token that indicates the next page of results.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"DescribeImportSnapshotTasksResult" : {
}
"deprecated": false,
"documentation": "<p>Contains the output for DescribeImportSnapshotTasks.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ImportSnapshotTasks": {
    "deprecated": false,
    "documentation": "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.\</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "importSnapshotTaskSet",
    "payload": false,
    "queryName": null,
    "shape": "ImportSnapshotTaskList",
    "streaming": false,
    "xmlNamespace": null
  },
  "NextToken": {
    "deprecated": false,
    "documentation": "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.\</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "nextToken",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"DescribeInstanceAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for DescribeInstanceAttribute.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Attribute" : {
      "deprecated" : false,
      "documentation" : "The instance attribute. Note: The <code>enaSupport</code> attribute is not supported at this time.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "attribute",
      "payload" : false,
      "queryName" : null,
      "shape" : "InstanceAttributeName",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "The ID of the instance.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "instanceId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "InstanceId", "Attribute" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
"DescribeInstanceAttributeResult" : {
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the InstanceAttribute object that was sent over the wire.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceAttribute" : {
      "deprecated" : false,
      "documentation" : "<p>Describes an instance attribute.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "InstanceAttribute",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DescribeInstanceStatusRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeInstanceStatus.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
"members" : {
  "Filters" : {
    "deprecated" : false,
    "documentation" : "One or more filters.\n<ul>\n<li>\n  <p>\n    <code>availability-zone</code> - The Availability Zone of the instance.\n  </p>\n</li>\n<li>\n  <p>\n    <code>event.code</code> - The code for the scheduled event (\n    <code>instance-reboot</code> | <code>system-reboot</code> | \n    <code>system-maintenance</code> | \n    <code>instance-retirement</code> | \n    <code>instance-stop</code>).\n  </p>\n</li>\n<li>\n  <p>\n    <code>event.description</code> - A description of the event.\n  </p>\n</li>\n<li>\n  <p>\n    <code>event.not-after</code> - The latest end time for the scheduled event (for example, \n    <code>2014-09-15T17:15:20.000Z</code>).\n  </p>\n</li>\n<li>\n  <p>\n    <code>event.not-before</code> - The earliest start time for the scheduled event (for example, \n    <code>2014-09-15T17:15:20.000Z</code>).\n  </p>\n</li>\n<li>\n  <p>\n    <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).\n  </p>\n</li>\n<li>\n  <p>\n    <code>instance-state-name</code> - The state of the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).\n  </p>\n</li>\n</ul>
</p>\n</li>\n<li>\n  <p>\n    <code>instance-status.reachability</code> - Filters on instance status where the name is \n    <code>reachability</code> (\n    <code>passed</code> | <code>failed</code> | <code>initializing</code> | \n    <code>insufficient-data</code>).\n  </p>\n</li>\n<li>\n  <p>\n    <code>instance-status.status</code> - The status of the instance (\n    <code>ok</code> | \n    <code>impaired</code> | <code>initializing</code> | \n    <code>insufficient-data</code> | \n    <code>not-applicable</code>).\n  </p>\n</li>\n<li>\n  <p>\n    <code>system-status.reachability</code> - Filters on system status where the name is \n    <code>reachability</code> (\n    <code>passed</code> | <code>failed</code> | <code>initializing</code> | \n    <code>insufficient-data</code>).\n  </p>\n</li>\n<li>\n  <p>\n    <code>system-status.status</code> - The system status of the instance (\n    <code>ok</code> | \n    <code>impaired</code> | <code>initializing</code> | \n    <code>insufficient-data</code> | \n    <code>not-applicable</code>).\n  </p>\n</li>\n</ul>
\n"flatned" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryString" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlnsNamespace" : null
},
"IncludeAllInstances" : {
  "deprecated" : false,
  "documentation" : "When \n    <code>true</code>, includes the health status for all instances. When \n    <code>false</code>, includes the health status for running instances only.\n    Default: <code>false</code>\n  \n  "flatned" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "IncludeAllInstances",
  "payload" : false,
  "queryString" : null,
  "shape" : "Boolean",
  "streaming" : false,
"xmlNamespace" : null
},
"InstanceIds" : {
  "deprecated" : false,
  "documentation" : "One or more instance IDs. Default: Describes all your instances.
Constraints: Maximum 100 explicitly specified instance IDs."
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call."
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "The token to retrieve the next page of results."
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
}. 
"DescribeInstanceStatusResult" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;Contains the output of DescribeInstanceStatus.&lt;/p&gt;",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceStatuses" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more instance status descriptions.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceStatusSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStatusList",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeInstancesRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for DescribeInstances.",
"enum" : null,
"error" : null,
"exception" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "One or more filters.
<p>affinity</p> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>).<p>architecture</p> - The instance architecture (<code>i386</code> | <code>x86_64</code>).<p>association.public-ip</p> - The address of the Elastic IP address (IPv4) bound to the network interface.<p>association.ip-owner-id</p> - The owner of the Elastic IP address (IPv4) associated with the network interface.<p>associationallocation-id</p> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.<p>association.association-id</p> - The association ID returned when the network interface was associated with an IPv4 address.<p>availability-zone</p> - The Availability Zone of the instance.<p>block-device-mapping.attach-time</p> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:20:00Z</code>.<p>block-device-mapping.device-name</p> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>).<p>block-device-mapping.status</p> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).<p>client-token</p> - The idempotency token provided when you launched the instance.<p>dns-name</p> - The public DNS name of the instance.<p>group-id</p> - The ID of the security group for the instance. EC2-Classic only.<p>group-name</p> - The name of the security group for the instance. EC2-Classic only.<p>host-id</p> - The ID of the Dedicated Host on which the instance is running, if applicable.<p>hypervisor</p> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>).<p>iam-instance-profile.arn</p> - The instance profile associated with the instance. Specified as an ARN.<p>image-id</p> - The ID of the image used to launch the instance.<p>instance-id</p> - The ID of the instance.<p>instance-lifecycle</p> - Indicates whether this is a Spot Instance or a Scheduled Instance (<code>spot</code> | <code>scheduled</code>).<p>instance-state-
interface.</p> <li> <p> <code>owner-id</code> - The AWS account ID of the instance owner.</p> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</p> <li> <p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p> <li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p> <li> <p> <code>private-ip-address</code> - The private IPv4 address of the instance.</p> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> <li> <p> <code>product-code.type</code> - The type of product code <code>(devpay</code> | <code>marketplace</code>).</p> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). This filter is independent of the <code>virtualization-type</code> filter. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.</p> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</p> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> <li> <p> <code>state-reason-message</code> - A message that describes the state change.</p> <li> <p> <code>subnet-id</code> - The ID of the subnet for the instance.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
"InstanceIds" : {
  "deprecated" : false,
  "documentation" : "One or more instance IDs.<p>Default: Describes all your instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "InstanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceIdStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining
  results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and
  1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "maxResults",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "The token to request the next page of results.<p>"
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "nextToken",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"value" : null,
"wrapper" : false
},
"DescribeInstancesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Reservations" : {
"deprecated" : false,
"documentation" : "<p>Zero or more reservations.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservationSet",
"payload" : false,
"queryName" : null,
"shape" : "ReservationList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeInternetGatewaysRequest": {
  "deprecated": false,
  "documentation": "Contains the parameters for DescribeInternetGateways."
},
"Filters": {
  "deprecated": false,
  "documentation": "One or more filters.
  - The current state of the attachment between the gateway and the VPC (available). Present only if a VPC is attached.
  - The ID of an attached VPC.
  - The ID of the Internet gateway.
  - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:A</code> for the filter name and <code>X</code> for the filter value.
  - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:A</code> filter. This filter is independent of the <code>tag-value</code> filter.
  - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "Filter",
  "payload": false,
  "queryName": null,
  "shape": "FilterList",
  "streaming": false,
  "xmlNamespace": null
},
"InternetGatewayIds": {
  "deprecated": false,
  "documentation": "One or more Internet gateway IDs. Default: Describes all your Internet gateways."
},
"attachment.state": "available",
"attachment.vpc-id": "vpc-0123456789",
"attachment.state": "available",
"attachment.vpc-id": "vpc-0987654321"
"locationName" : "internetGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeInternetGatewaysResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeInternetGateways.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InternetGateways" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more Internet gateways.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "internetGatewaySet",
"payload" : false,
"queryName" : null,
"shape" : "InternetGatewayList",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeKeyPairsRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeKeyPairs.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Filters": {
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul> <li><p><code>fingerprint</code> - The fingerprint of the key pair.</p></li> <li><p><code>key-name</code> - The name of the key pair.</p></li> </ul>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Filter",
"payload": false,
"queryName": null,
"shape": "FilterList",
"streaming": false,
"xmlnsNamespace": null
},
"KeyNames": {
"deprecated": false,
"documentation": "<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "KeyName",
"payload": false,
"queryName": null,
"shape": "KeyNameStringList",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"key": null,
"max": 0,
"member": null,
"members": {
  "Filters": {
    "deprecated": false,
    "documentation": "One or more filters.
    <ul>
      <li><code>moving-status</code> - The status of the Elastic IP address
        (<code>MovingToVpc</code> | <code>RestoringToClassic</code>).</li>
    </ul>".
  },
  "MaxResults": {
    "deprecated": false,
    "documentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.
    Default: If no value is provided, the default is 1000."",
  },
  "NextToken": {
    "deprecated": false,
    "documentation": "The token to use to retrieve the next page of results."
  }
},
"PublicIps": {
"deprecated": false,
"documentation": "<p>One or more Elastic IP addresses.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "publicIp",
"payload": false,
"queryName": null,
"shape": "ValueStringList",
"streaming": false,
"xmlNamespace": null
}
},
"DescribeMovingAddressesResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeMovingAddresses.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"MovingAddressStatuses": {
"deprecated": false,
"documentation": "<p>The status for each Elastic IP address.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "movingAddressStatusSet",
"payload": false,
"queryName": null,
"shape": "MovingAddressStatusSet",
"streaming": false,
"xmlNamespace": null
}
},
"NextToken": {
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeNatGatewaysRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for DescribeNatGateways.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filter" : {
"deprecated" : false,
"documentation" : "One or more filters.",
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}.
},
"nat-gateway-id" : - The ID of the NAT gateway.
"state" : - The state of the NAT gateway (pending | failed | available | deleting | deleted).
"subnet-id" : - The ID of the subnet in which the NAT gateway resides.
"vpc-id" : - The ID of the VPC in which the NAT gateway resides.
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NatGatewayIds" : {
"deprecated" : false,
"documentation" : "<p>One or more NAT gateway IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "NatGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
}
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false

"DescribeNatGatewaysResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeNatGateways.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NatGateways" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the NAT gateways.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "natGatewaySet",
      "payload" : false,
      "queryName" : "NatGatewayList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "NextToken" : {
      "deprecated" : false,
      "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "nextToken",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false,

"DescribeNetworkAclsRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeNetworkAcls.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Filters": {
      "deprecated": false,
      "documentation": "<p>One or more filters.</p>
      <ul>
        <li>
          <code>association.association-id</code> - The ID of an association ID for the ACL.
        </li>
        <li>
          <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.
        </li>
        <li>
          <code>association.subnet-id</code> - The ID of the subnet involved in the association.
        </li>
        <li>
          <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.
        </li>
        <li>
          <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.
        </li>
        <li>
          <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.
        </li>
        <li>
          <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.
        </li>
        <li>
          <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.
        </li>
        <li>
          <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.
        </li>
        <li>
          <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.
        </li>
        <li>
          <code>entry.port-range.from</code> - The start of the port range specified in the entry.
        </li>
        <li>
          <code>entry.port-range.to</code> - The end of the port range specified in the entry.
        </li>
        <li>
          <code>entry.protocol</code> - The protocol specified in the entry (tcp | udp | icmp | or a protocol number).
        </li>
        <li>
          <code>entry.rule-action</code> - Allows or denies the matching traffic (allow | deny).
        </li>
        <li>
          <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.
        </li>
        <li>
          <code>tag:Purpose</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
        </li>
        <li>
          <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the "tag:Purpose" filter.
        </li>
        <li>
          <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the "tag-key" filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the "tag:Purpose" filter.
        </li>
      </ul>
    }
  }
}
"documentation" : "<p>Information about one or more network ACLs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkAclSet",
"payload" : false,
"queryName" : null,
"shape" : "NetworkAclList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeNetworkInterfaceAttributeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeNetworkInterfaceAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Attribute" : {
    "deprecated" : false,
    "documentation" : "<p>The attribute of the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "attribute",
    "payload" : false,
    "queryName" : null,
    "shape" : "NetworkInterfaceAttribute",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "NetworkInterfaceId" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaceAttribute.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "attribute",
    "payload" : false,
    "queryName" : null,
    "shape" : "NetworkInterfaceAttribute",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"NetworkInterfaceAttribute" : {
  "deprecated" : false,
  "documentation" : "<p>The attribute of the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "attribute",
  "payload" : false,
  "queryName" : null,
  "shape" : "NetworkInterfaceAttribute",
  "streaming" : false,
  "xmlNamespace" : null
}
}
"documentation" : "<p>The ID of the network interface.&lt;/p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeNetworkInterfaceAttributeResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeNetworkInterfaceAttribute.&lt;/p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attachment" : {
"deprecated" : false,
"documentation" : "<p>The attachment (if any) of the network interface.&lt;/p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachment",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterfaceAttachment",
"streaming" : false,
"xmlNamespace" : null
},
"Description" : {
"deprecated" : false,
"documentation": "<p>The description of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Groups": {
"documentation": "<p>The security groups associated with the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupSet",
"payload": false,
"queryName": null,
"shape": "GroupIdentifierList",
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaceId": {
"documentation": "<p>The ID of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SourceDestCheck": {
"documentation": "<p>Indicates whether source/destination checking is enabled.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sourceDestCheck",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeNetworkInterfacesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeNetworkInterfaces.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> 
<ul>
<li><p><code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p></li> 
<li><p><code>addresses.private-ip-address</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p></li> 
<li><p><code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p></li> 
<li><p><code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface.</p></li> 
<li><p><code>addresses.association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p></li> 
<li><p><code>addresses.association.public-ip</code> - The association ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p></li> 
<li><p><code>addresses.association.association-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p></li> 
<li><p><code>addresses.association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p></li> 
<li><p><code>addresses.association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p></li> 
<li><p><code>attachment.attachment-id</code> - The ID of the interface attachment.</p></li> 
<li><p><code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</p></li> 
<li><p><code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p></li> 
<li><p><code>attachment.device-index</code> - The device index to which the network interface is attached.</p></li> 
<li><p><code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p></li> 
<li><p><code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p></li> 
<li><p><code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</p></li> 
<li><p><code>attachment.status</code> - The status of the attachment.</p></li> 
</ul>"
<code>detached</code>).</p> <li> <code>availability-zone</code> - The Availability Zone of the network interface.</li> <li> <code>description</code> - The description of the network interface.</li> <li> <code>group-id</code> - The ID of a security group associated with the network interface.</li> <li> <code>group-name</code> - The name of a security group associated with the network interface.</li> <li> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</li> <li> <code>mac-address</code> - The MAC address of the network interface.</li> <li> <code>network-interface-id</code> - The ID of the network interface.</li> <li> <code>owner-id</code> - The AWS account ID of the network interface owner.</li> <li> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</li> <li> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</li> <li> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</li> <li> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</li> <li> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</li> <li> <code>subnet-id</code> - The ID of the subnet for the network interface.</li> <li> <code>tag:Key</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>vpc-id</code> - The ID of the VPC for the network interface.</li>

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"payload" : false,
"queryName" : null,
"shape" : "NetworkInterfaceIdList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"DescribeNetworkInterfacesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeNetworkInterfaces.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NetworkInterfaces" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more network interfaces.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceSet",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterfaceList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value": null,
"wrapper": false,

"DescribePlacementGroupsRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribePlacementGroups.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Filters": {
"deprecated": false,
"documentation": "One or more filters.
- The name of the placement group.
- The state of the placement group (pending | available | deleting | deleted).
- The strategy of the placement group (cluster).
"idempotencyToken": false,
"location": null,
"locationName": "Filter",
"payload": false,
"queryName": null,
"shape": "FilterList",
"streaming": false,
"xmlnsNamespace": null
},
"GroupNames": {
"deprecated": false,
"documentation": "One or more placement group names.
Default: Describes all your placement groups, or only those otherwise specified.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupName",
"payload": false,
"queryName": null,
"shape": "PlacementGroupStringList",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribePlacementGroupsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribePlacementGroups.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"PlacementGroups": {
"deprecated": false,
"documentation": "<p>One or more placement groups.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "placementGroupSet",
"payload": false,
"queryName": null,
"shape": "PlacementGroupList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribePrefixListsRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribePrefixLists.</p>",
"enum": null,
"error": null,
"exception": false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>prefix-list-id</code>: The ID of a prefix list.</p> </li> <li> <p> <code>prefix-list-name</code>: The name of a prefix list.</p> </li> </ul>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"PrefixListIds" : {
    "deprecated" : false,
    "documentation" : "<p>One or more prefix list IDs.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "PrefixListId",
    "payload" : false,
    "queryName" : null,
    "shape" : "ValueStringList",
    "streaming" : false,
    "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribePrefixListsResult" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribePrefixLists.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "NextToken" : {
            "deprecated" : false,
            "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "nextToken",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    }
}
"xmlNamespace" : null
},
"PrefixLists" : {
  "deprecated" : false,
  "documentation" : "<p>All available prefix lists.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "prefixListSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "PrefixListSet",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeRegionsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeRegions.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "Filter",
      "payload" : false,
      "queryName" : null,
"shape": "FilterList",
"streaming": false,
"xmlNamespace": null
},
"RegionNames": {
"deprecated": false,
"documentation": "The names of one or more regions.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "RegionName",
"payload": false,
"queryName": null,
"shape": "RegionNameStringList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeRegionsResult": {
"deprecated": false,
"documentation": "Contains the output of DescribeRegions.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Regions": {
"deprecated": false,
"documentation": "Information about one or more regions.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "regionInfo",
"payload": false,
"queryName": null,
"streaming": false,
"xmlNamespace": null
}
"shape" : "RegionList",
"streaming" : false,
"xmlNamespace" : null
},
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeReservedInstancesListingsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeReservedInstancesListings.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesId" : {
"deprecated" : false,
"documentation" : "<p>One or more Reserved Instance IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,"ReservedInstancesListingId" : {
"deprecated" : false,
"documentation" : "<p>One or more Reserved Instance listing IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesListingId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"DescribeReservedInstancesListingsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeReservedInstancesListings.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservedInstancesListings" : {
"deprecated" : false,
"documentation" : "<p>Information about the Reserved Instance listing.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesListingsSet",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesListingList",
"streaming" : false,
"xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"DescribeReservedInstancesModificationsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeReservedInstancesModifications.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.&lt;/p&gt;&lt;ul&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;client-token&lt;/code&gt; - The idempotency token for the modification request.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;create-date&lt;/code&gt; - The time when the modification request was created.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;effective-date&lt;/code&gt; - The time when the modification becomes effective.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;modification-result.reserved-instances-id&lt;/code&gt; - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is &lt;code&gt;fulfilled&lt;/code&gt;.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;modification-result.target-configuration.availability-zone&lt;/code&gt; - The Availability Zone for the new Reserved Instances.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;modification-result.target-configuration.instance-count &lt;/code&gt; - The number of new Reserved Instances.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;modification-result.target-configuration.instance-type&lt;/code&gt; - The instance type of the new Reserved Instances.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;modification-result.target-configuration.platform&lt;/code&gt; - The network platform of the new Reserved Instances.&lt;code&gt;EC2-Classic&lt;/code&gt; | &lt;code&gt;EC2-VPC&lt;/code&gt;.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;reserved-instances-id&lt;/code&gt; - The ID of the Reserved Instances modified.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;reserved-instances-modification-id&lt;/code&gt; - The ID of the modification request.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;status&lt;/code&gt; - The status of the Reserved Instances modification request (&lt;code&gt;processing&lt;/code&gt; | &lt;code&gt;fulfilled&lt;/code&gt; | &lt;code&gt;failed&lt;/code&gt;).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;status-message&lt;/code&gt; - The reason for the status.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;update-date&lt;/code&gt; - The time when the modification request was last
"deprecated": false,
"documentation": "<p>Contains the output of DescribeReservedInstancesModifications.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"NextToken": {
"deprecated": false,
"documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"ReservedInstancesModifications": {
"deprecated": false,
"documentation": "<p>The Reserved Instance modification information.</p>",
"flattened": false,
"idempotencyToken": false,
"location": false,
"locationName": "reservedInstancesModificationsSet",
"payload": false,
"queryName": null,
"shape": "ReservedInstancesModificationList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"DescribeReservedInstancesOfferingsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeReservedInstancesOfferings</p> ",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Filters" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> <ul>
        <li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li>
        <li><code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </li>
        <li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </li>
        <li><code>instance-type</code> - The instance type that is covered by the reservation.</li>
        <li><code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</li>
        <li><code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>)
        <li><code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</li>
        <li><code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). </li>
        <li><code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). </li>
      </ul>
    },
  }
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryString" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"IncludeMarketplace" : {
  "deprecated" : false,
  "documentation" : "<p>Include Reserved Instance Marketplace offerings in the response.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryString" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceTenancy" : {
  "deprecated" : false,
  "documentation" : "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).</p> Default: <code>default</code> 
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceTenancy",
  "payload" : false,
  "queryString" : null,
  "shape" : "Tenancy",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {
  "deprecated" : false,
  "documentation" : "The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : null,
  "queryString" : null,
  "shape" : "InstanceType",
  "streaming" : false,
  "xmlNamespace" : null
}
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"MaxDuration": {
"deprecated": false,
"documentation": "The maximum duration (in seconds) to filter when searching for offerings. Default: 94608000 (3 years)",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Long",
"streaming": false,
"xmlNamespace": null
},
"MaxInstanceCount": {
"deprecated": false,
"documentation": "The maximum number of instances to filter when searching for offerings. Default: 20",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"MaxResults": {
"deprecated": false,
"documentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "maxResults",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"MinDuration" : {
  "deprecated" : false,
  "documentation" : "<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
  <p>Default: 2592000 (1 month)</p>"},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token to retrieve the next page of results.</p>"},
"OfferingClass" : {
  "deprecated" : false,
  "documentation" : "<p>The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.</p>"},
"OfferingType" : {
  "deprecated" : false,
  "documentation" : "<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.</p>"}
"location" : null,
"locationName" : "offeringType",
"payload" : false,
"queryName" : null,
"shape" : "OfferingTypeValues",
"streaming" : false,
"xmlNamespace" : null
},
"ProductDescription" : {
"deprecated" : false,
"documentation" : "The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "RIProductDescription",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesOfferingIds" : {
"deprecated" : false,
"documentation" : "One or more Reserved Instances offering IDs.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ReservedInstancesOfferingId",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesOfferingIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeReservedInstancesOfferingsResult" : {
"deprecated" : false,
"documentation" : "Contains the output of DescribeReservedInstancesOfferings.""
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesOfferings" : {
"deprecated" : false,
"documentation" : "A list of Reserved Instances offerings.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesOfferingsSet",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesOfferingList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeReservedInstancesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeReservedInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
 "Filters" : {
 "deprecated" : false,
 "documentation" : "One or more filters.
 <ul>
 <li><p>availability-zone</p></li>
 <li><p>duration</p></li>
 <li><p>end</p></li>
 <li><p>fixed-price</p></li>
 <li><p>instance-type</p></li>
 <li><p>Scope</p></li>
 <li><p>product-description</p></li>
 <li><p>reserved-instances-id</p></li>
 <li><p>start</p></li>
 <li><p>state</p></li>
 <li><p>tag-key</p></li>
 <li><p>tag-value</p></li>
 <li><p>usage-price</p></li>
</ul>"}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName": null,
"shape": "FilterList",
"streaming": false,
"xmlNamespace": null
},
"OfferingClass": {
  "deprecated": false,
  "documentation": "<p>Describes whether the Reserved Instance is Standard or Convertible.</p> ",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "OfferingClassType",
  "streaming": false,
  "xmlNamespace": null
},
"OfferingType": {
  "deprecated": false,
  "documentation": "<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.</p> ",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "offeringType",
  "payload": false,
  "queryName": null,
  "shape": "OfferingTypeValues",
  "streaming": false,
  "xmlNamespace": null
},
"ReservedInstancesIds": {
  "deprecated": false,
  "documentation": "<p>One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p> ",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ReservedInstancesId",
  "payload": false,
  "queryName": null,
  "shape": "ReservedInstancesIdStringList",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeReservedInstancesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output for DescribeReservedInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ReservedInstances" : {
      "deprecated" : false,
      "documentation" : "<p>A list of Reserved Instances.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "reservedInstancesSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "ReservedInstancesList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DescribeRouteTablesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeRouteTables.</p>",
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [
  "Filters" : [
    "deprecated" : false,
    "documentation" : "<p>One or more filters.</p> <ul>
      <li><code>association.route-table-association-id</code> - The ID of an association ID for the route table.</li>
      <li><code>association.route-table-association-id</code> - The ID of the route table involved in the association.</li>
      <li><code>association.subnet-id</code> - The ID of the subnet involved in the association.</li>
      <li><code>association.main</code> - Indicates whether the route table is the main route table for the VPC.</li>
      <li><code>route-table-id</code> - The ID of the route table.</li>
      <li><code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the route table.</li>
      <li><code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</li>
      <li><code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the route table.</li>
      <li><code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</li>
      <li><code>route.gateway-id</code> - The ID of a gateway specified in a route in the route table.</li>
      <li><code>route.vpc-peering-connection-id</code> - The ID of an instance specified in a route in the route table.</li>
      <li><code>route.nat-gateway-id</code> - The ID of a NAT gateway.</li>
      <li><code>route.origin</code> - Describes how the route was created.</li>
      <li><code>route.state</code> - The state of a route in the route table.</li>
      <li><code>route.tag-key</code> - The key of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
      <li><code>vpc-id</code> - The ID of the VPC for the route table.</li>
    </ul>
  
  "filters" : [
    "filter"
  ]
]"
"xmlNamespace" : null,
},
"RouteTableIds" : {
  "deprecated" : false,
  "documentation" : "<p>One or more route table IDs. Default: Describes all your route tables.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "RouteTableId",
  "payload" : false,
  "queryName" : null,
  "shape" : "ValueStringList",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeRouteTablesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeRouteTables.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "RouteTables" : {
      "deprecated" : false,
      "documentation" : "<p>Information about one or more route tables.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "routeTableSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "RouteTableList",
      "streaming" : false,
"xmlNamespace" : null
}
,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeScheduledInstanceAvailabilityRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeScheduledInstanceAvailability.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "One or more filters.
• <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).<p></p>
• <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).<p></p>
• <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).<p></p>
• <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).<p></p>
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "Filter",
  "payload" : false,
  "queryName" : null,
  "shape" : "FilterList",
  "streaming" : false,
  "xmlNamespace" : null
},
"FirstSlotStartTimeRange" : {
"deprecated" : false,
"documentation" : "The time period for the first schedule to start.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "SlotDateTimeRangeRequest",
"streaming": false,
"xmlNamespace": null
},
"MaxResults": {
"deprecated": false,
"documentation": "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"MaxSlotDurationInHours": {
"deprecated": false,
"documentation": "The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"MinSlotDurationInHours": {
"deprecated": false,
"documentation": "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer"
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
  "deprecated": false,
  "documentation": "<p>The token for the next set of results.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Recurrence": {
  "deprecated": false,
  "documentation": "<p>The schedule recurrence.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "ScheduledInstanceRecurrenceRequest",
  "streaming": false,
  "xmlNamespace": null
}]
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["Recurrence", "FirstSlotStartTimeRange"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeScheduledInstanceAvailabilityResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeScheduledInstanceAvailability.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ScheduledInstanceAvailabilitySet" : {
"deprecated" : false,
"documentation" : "<p>Information about the available Scheduled Instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "scheduledInstanceAvailabilitySet",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstanceAvailabilitySet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeScheduledInstancesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeScheduledInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Filters" : {
    "deprecated" : false,
    "documentation" : "One or more filters.
        * availability-zone - The Availability Zone (for example, us-west-2a).
        * instance-type - The instance type (for example, c4.large).
        * network-platform - The network platform (EC2-Classic or EC2-VPC).
        * platform - The platform (Linux/UNIX or Windows)."
  }},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned<br>
  <code>NextToken</code> value."},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "The token for the next set of results."},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ScheduledInstanceIds" : {
"deprecated" : false,
"documentation" : "<p>One or more Scheduled Instance IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ScheduledInstanceId",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstanceIdRequestSet",
"streaming" : false,
"xmlNamespace" : null
},
"SlotStartTimeRange" : {
"deprecated" : false,
"documentation" : "<p>The time period for the first schedule to start.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "SlotStartTimeRangeRequest",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeScheduledInstancesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeScheduledInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "NextToken" : {
    "deprecated" : false,
    "documentation" : "The token required to retrieve the next set of results. This value is null when there are no more results to return."
  },
  "ScheduledInstanceSet" : {
    "deprecated" : false,
    "documentation" : "Information about the Scheduled Instances."
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSecurityGroupReferencesRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max" : 0,
"member" : null,
"members" : {
  "GroupId" : {
    "deprecated" : false,
    "documentation" : "One or more security group IDs in your account.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "GroupIds",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSecurityGroupReferencesResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "SecurityGroupReferenceSet" : {
      "deprecated" : false,
      "documentation" : "Information about the VPCs with the referencing security groups.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "securityGroupReferenceSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "SecurityGroupReferences",}
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSecurityGroupsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeSecurityGroups.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p>
<ul>
<li><code>description</code> - The description of the security group.</li>
<li><code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</li>
<li><code>group-id</code> - The ID of the security group.</li>
<li><code>group-name</code> - The name of the security group.</li>
<li><code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</li>
<li><code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</li>
<li><code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</li>
<li><code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</li>
<li><code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</li>
<li><code>ip-permission.protocol</code> - The IP protocol for the permission (TCP | UDP | ICMP or a protocol number).</li>
<li><code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</li>
<li><code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</li>
<li><code>owner-id</code> - The AWS account ID of the owner of the security group.</li>
<li><code>tag-key</code> - The key of a tag assigned to the security group.</li>
<li><code>tag-value</code> - The value of a tag assigned to the security group.</li>
<li><code>vpc-id</code> - The ID of the VPC specified when the security group was created.
</ul>"
"idempotencyToken": false,
"location": null,
"locationName": "Filter",
"payload": false,
"queryString": null,
"shape": "FilterList",
"streaming": false,
"xmlNamespace": null
},
"GroupIds": {
  "deprecated": false,
  "documentation": "One or more security group IDs. Required for security groups in a nondefault VPC. Default: Describes all your security groups."
},
"GroupNames": {
  "deprecated": false,
  "documentation": "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups."
}
"DescribeSecurityGroupsResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeSecurityGroups.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "SecurityGroups" : {
      "deprecated" : false,
      "documentation" : "<p>Information about one or more security groups.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "securityGroupInfo",
      "payload" : false,
      "queryName" : null,
      "shape" : "SecurityGroupList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DescribeSnapshotAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSnapshotAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {

"Attribute" : {
  "deprecated" : false,
  "documentation" : "<p>The snapshot attribute you would like to view.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "SnapshotAttributeName",
  "streaming" : false,
  "xmlNamespace" : null
},
"SnapshotId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS snapshot.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SnapshotId", "Attribute" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSnapshotAttributeResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeSnapshotAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [}
"CreateVolumePermissions": {
  "deprecated": false,
  "documentation": "<p>A list of permissions for creating volumes from the snapshot.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "createVolumePermission",
  "payload": false,
  "queryName": null,
  "shape": "CreateVolumePermissionList",
  "streaming": false,
  "xmlNamespace": null
},
"ProductCodes": {
  "deprecated": false,
  "documentation": "<p>A list of product codes.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "productCodes",
  "payload": false,
  "queryName": null,
  "shape": "ProductCodeList",
  "streaming": false,
  "xmlNamespace": null
},
"SnapshotId": {
  "deprecated": false,
  "documentation": "<p>The ID of the EBS snapshot.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "snapshotId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"DescribeSnapshotsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSnapshots.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> <ul>
<li><code>description</code> - A description of the snapshot.</li>
<li><code>owner-alias</code> - Value from an Amazon-maintained list</li>
<li><code>owner-id</code> - The ID of the AWS account that owns the snapshot.</li>
<li><code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</li>
<li><code>snapshot-id</code> - The snapshot ID.</li>
<li><code>start-time</code> - The time stamp when the snapshot was initiated.</li>
<li><code>status</code> - The status of the snapshot</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </li>
<li><code>volume-id</code> - The ID of the volume the snapshot is for.</li>
<li><code>volume-size</code> - The size of the volume, in GiB.</li>
</ul>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "<p>The maximum number of snapshot results returned by
}
<code>DescribeSnapshots</code> in paginated output. When this parameter is used,
<code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are
returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify
this parameter and the snapshot IDs parameter in the same request.</p>

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"OwnerIds" : {
"deprecated" : false,
"documentation" : "Returns the snapshots owned by the specified owner. Multiple owners can be
specified.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Owner",
"payload" : false,
"queryName" : null,
"shape" : "OwnerStringList",
"streaming" : false,
"xmlNamespace" : null
},
"RestorableByUserIds" : {

"deprecated" : false,
"documentation" : "<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "RestorableBy",
"payload" : false,
"queryName" : null,
"shape" : "RestorableByStringList",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotIds" : {
"deprecated" : false,
"documentation" : "<p>One or more snapshot IDs. Default: Describes snapshots for which you have launch permissions.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SnapshotId",
"payload" : false,
"queryName" : null,
"shape" : "SnapshotIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSnapshotsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSnapshots.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {"deprecated" : false,
"documentation" : "<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "RestorableBy",
"payload" : false,
"queryName" : null,
"shape" : "RestorableByStringList",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotIds" : {
"deprecated" : false,
"documentation" : "<p>One or more snapshot IDs. Default: Describes snapshots for which you have launch permissions.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SnapshotId",
"payload" : false,
"queryName" : null,
"shape" : "SnapshotIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSnapshotsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSnapshots.</p>"
"NextToken" : {
    "deprecated" : false,
    "documentation" : "The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "nextToken",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"Snapshots" : {
    "deprecated" : false,
    "documentation" : "Information about the snapshots."
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "snapshotSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "SnapshotList",
    "streaming" : false,
    "xmlNamespace" : null
}...

"DescribeSpotDatafeedSubscriptionRequest" : {
    "deprecated" : false,
    "documentation" : "Contains the parameters for DescribeSpotDatafeedSubscription.
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
}...

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"max" : 0,
"member" : null,
"members" : { }
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotDatafeedSubscriptionResult" : {
"deprecated" : false,
"documentation" : "$p>Contains the output of DescribeSpotDatafeedSubscription.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SpotDatafeedSubscription" : {
"deprecated" : false,
"documentation" : "$p>The Spot instance data feed subscription.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotDatafeedSubscription",
"payload" : false,
"queryName" : null,
"shape" : "SpotDatafeedSubscription",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotFleetInstancesRequest" : {

"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeSpotFleetInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "MaxResults" : {
    "deprecated" : false,
    "documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "maxResults",
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "NextToken" : {
    "deprecated" : false,
    "documentation" : "<p>The token for the next set of results.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "nextToken",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "SpotFleetRequestId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "spotFleetRequestId",
    "payload" : false,
    "queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotFleetInstancesResponse" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSpotFleetInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ActiveInstances" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "activeInstanceSet",
"payload" : false,
"queryName" : null,
"shape" : "ActiveInstanceSet",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"streaming" : false,
"xmlNamespace" : null
}}
"payload" : false,
"queryName" : null,
"shape" : "EventType",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "maxResults",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token for the next set of results.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "nextToken",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SpotFleetRequestId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotFleetRequestId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"StartTime" : {
  "deprecated" : false,
  "documentation" : "<p>The start time of the Spot fleet request.</p>",
  "flattened" : false,
"deprecated" : false,
"documentation" : "The starting date and time for the events, in UTC format (for example, \texttt{YYYY-MM-DD} T\texttt{HH:MM:SS}Z).",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "startTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId", "StartTime" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false,
"DescribeSpotFleetRequestHistoryResponse" : {
  "deprecated" : false,
  "documentation" : "Contains the output of DescribeSpotFleetRequestHistory.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "HistoryRecords" : {
      "deprecated" : false,
      "documentation" : "Information about the events in the history of the Spot fleet request.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "historyRecordSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "HistoryRecords",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"LastEvaluatedTime" : {
  "deprecated" : false,
  "documentation" : "The last date and time for the events, in UTC format (for example, \textit{YYYY-MM-DD
  T\textit{HH}:\textit{MM}:\textit{SS}Z}). All records up to this time were retrieved.\textit{\textless}p\textgreater If \textless code\textgreater nextToken \textless code\textgreater indicates that there are more results, this value is not present.\textit{\textless}p\textgreater",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "lastEvaluatedTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "The token required to retrieve the next set of results. This value is \textless code\textgreater null \textless code\textgreater when there are no more results to return.\textit{\textless}p\textgreater",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "nextToken",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SpotFleetRequestId" : {
  "deprecated" : false,
  "documentation" : "The ID of the Spot fleet request.\textit{\textless}p\textgreater",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotFleetRequestId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"StartTime" : {
  "deprecated" : false,
  "documentation" : "The starting date and time for the events, in UTC format (for example, \textit{YYYY-MM-DD
  T\textit{HH}:\textit{MM}:\textit{SS}Z}).\textit{\textless}p\textgreater",
  "flattened" : false,
  "idempotencyToken" : false,
"location": null,
"locationName": "startTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "SpotFleetRequestId", "StartTime", "LastEvaluatedTime", "HistoryRecords" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,
"DescribeSpotFleetRequestsRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeSpotFleetRequests.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"MaxResults": {
"deprecated": false,
"documentation": "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "maxResults",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
"deprecated": false,
"documentation": "<p>The token for the next set of results.</p>"}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SpotFleetRequestIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotFleetRequestId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotFleetRequestsResponse" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSpotFleetRequests.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>

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when there are no more results to return.</p>",  
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "nextToken",  
  "payload" : false,  
  "queryString" : null,  
  "shape" : "String",  
  "streaming" : false,  
  "xmlns:namespace" : null  
},  
"SpotFleetRequestConfigs" : {  
  "deprecated" : false,  
  "documentation" : "<p>Information about the configuration of your Spot fleet.</p>",  
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "spotFleetRequestConfigSet",  
  "payload" : false,  
  "queryString" : null,  
  "shape" : "SpotFleetRequestConfigSet",  
  "streaming" : false,  
  "xmlns:namespace" : null  
},  
"min" : 0,  
"pattern" : null,  
"payload" : null,  
"required" : [ "SpotFleetRequestConfigs" ],  
"streaming" : false,  
"type" : "structure",  
"value" : null,  
"wrapper" : false  
},  
"DescribeSpotInstanceRequestsRequest" : {  
  "deprecated" : false,  
  "documentation" : "<p>Contains the parameters for DescribeSpotInstanceRequests.</p>",  
  "enum" : null,  
  "error" : null,  
  "exception" : false,  
  "fault" : false,  
  "flattened" : false,  
  "key" : null,  
  "max" : 0,  
  "member" : null,  
  "members" : {  
    "Filters" : {  
      "deprecated" : false,
<p>One or more filters.</p> <ul> <li> <code>availability-zone-group</code> - The Availability Zone group.</li> <li> <code>create-time</code> - The time stamp when the Spot instance request was created.</li> <li> <code>fault-code</code> - The fault code related to the request.</li> <li> <code>fault-message</code> - The fault message related to the request.</li> <li> <code>instance-id</code> - The ID of the instance that fulfilled the request.</li> <li> <code>launch-group</code> - The Spot instance launch group.</li> <li> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</li> <li> <code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>). The ID of the snapshot used for the Amazon EBS volume. The size of the Amazon EBS volume, in GiB.</li> <li> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code> scl</code> for Cold HDD, or <code>standard</code> for Magnetic.</li> <li> <code>launch.group-id</code> - The security group for the instance.</li> <li> <code>launch.image-id</code> - The ID of theAMI.</li> <li> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</li> <li> <code>launch.kernel-id</code> - The kernel ID.</li> <li> <code>launch.key-name</code> - The name of the key pair the instance launched with.</li> <li> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</li> <li> <code>launch.ramdisk-id</code> - The RAM disk ID.</li> <li> <code>launch.security-group-id</code> - The ID of the security group associated with the network interface.</li> <li> <code>launch.private-ip-address</code> - The primary private IP address of the network interface.</li> <li> <code>launch.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</li> <li> <code>launch.security-group-name</code> - The name of the security group associated with the network interface.</li> <li> <code>network-interface.addresses</code> - Indicates whether the IP address is the primary private IP address.</li> <li> <code>network-interface.product-description</code> - The product description associated with the instance (Linux/UNIX | Windows).</li> <li> <code>spot-instance-request-id</code> - The Spot instance request ID.</li> <li> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request. The state of the Spot instance request (<code>open</code> | <code>active</code> | <code>closed</code> | <code>cancelled</code> | <code>failed</code>).</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag <code>Purpose=X</code>, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key <em>Purpose</em> (regardless of what the tag's value is), and the tag value <em>X</em> (regardless of what the tag's key is). If you want to list only resources where <em>Purpose</em> is <em>X</em>, see the
<code>tag</code>:<i>key</i>=<i>value</i> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<p> <li> <p> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).<p> <li> <p> <code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.<p> <li> <p> <code>valid-from</code> - The start date of the request.<p> <li> <p> <code>valid-until</code> - The end date of the request.<p> </li></ul>"}
"max" : 0,
"member" : null,
"members" : {
  "SpotInstanceRequests" : {
    "deprecated" : false,
    "documentation" : "<p>One or more Spot instance requests.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "SpotInstanceRequestSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "SpotInstanceRequestList",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotPriceHistoryRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSpotPriceHistory.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>Filters the results by the specified Availability Zone.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "AvailabilityZone",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "xmlNamespace" : null
    }
  }
}
"streaming" : false,
"xmlNamespace" : null
},
"EndTime" : {
"deprecated" : false,
"documentation" : "<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "endTime",
"payload" : false,
"queryString" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li><p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p></li>
<li><p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p></li>
<li><p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p></li>
<li><p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p></li>
</ul>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryString" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceTypes" : {
"deprecated" : false,
"documentation" : "<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "InstanceType". 
"payload" : false,
"queryName" : null,
"shape" : "InstanceTypeList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "maxResults",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ProductDescriptions" : {
"deprecated" : false,
"documentation" : "<p>Filters the results by the specified basic product descriptions.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ProductDescription",
"payload" : false,
"queryName" : null,
"shape" : "ProductDescriptionList",
"streaming" : false,
"xmlNamespace" : null
},
"StartTime" : {
"deprecated" : false,
"documentation" : "<p>The time the results were retrieved from.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "startTime",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DDThh:mm:ssZ).
"xmlNamespace" : null,
{
"SpotPriceHistory" : {
  "deprecated" : false,
  "documentation" : "<p>The historical Spot prices.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "SpotPriceHistorySet",
  "payload" : false,
  "queryName" : null,
  "shape" : "SpotPriceHistoryList",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeStaleSecurityGroupsRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "MaxResults" : {
      "deprecated" : false,
      "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "MaxResults",
      "xmlNamespace" : null
    }
  }
}
"streaming": false,
"xmlNamespace": null
},

"NextToken": {
"deprecated": false,
"documentation": "The token for the next set of items to return. (You received this token from a prior call.)",
"streaming": false,
"xmlNamespace": null
},

"VpcId": {
"deprecated": false,
"documentation": "The ID of the VPC.",
"streaming": false,
"xmlNamespace": null
}
},

"DescribeStaleSecurityGroupsResult": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": false,
"exception": false,
"fault": false,
"flattened": false,
"NextToken" : {  
  "deprecated" : false,  
  "documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.",
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "nextToken",  
  "payload" : false,  
  "queryName" : null,  
  "shape" : "String",  
  "streaming" : false,  
  "xmlNamespace" : null  
},

"StaleSecurityGroupSet" : {  
  "deprecated" : false,  
  "documentation" : "Information about the stale security groups.",
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "staleSecurityGroupSet",  
  "payload" : false,  
  "queryName" : null,  
  "shape" : "StaleSecurityGroupSet",  
  "streaming" : false,  
  "xmlNamespace" : null  
}  
},

"DescribeSubnetsRequest" : {  
  "deprecated" : false,  
  "documentation" : "Contains the parameters for DescribeSubnets.",  
  "enum" : null,  
  "error" : null,  
  "exception" : false,  
  "fault" : false,  
  "min" : 0,  
  "pattern" : null,  
  "payload" : null,  
  "required" : null,  
  "streaming" : false,  
  "type" : "structure",  
  "value" : null,  
  "wrapper" : false  
}  
}
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [
"Filters": {
"deprecated": false,
"documentation": "<p>One or more filters.<p> &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;availabilityZone&lt;/code&gt; - The Availability Zone for the subnet. You can also use &lt;code&gt;availability-zone&lt;/code&gt; as the filter name. &lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;available-ip-address-count&lt;/code&gt; - The number of IPv4 addresses in the subnet that are available.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;cidrBlock&lt;/code&gt; - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use &lt;code&gt;cidr&lt;/code&gt; or &lt;code&gt;cidr-block&lt;/code&gt; as the filter names.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;/p&gt; &lt;code&gt;defaultForAz&lt;/code&gt; - Indicates whether this is the default subnet for the Availability Zone. You can also use &lt;code&gt;default-for-az&lt;/code&gt; as the filter name.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;ipv6-cidr-block-association.ipv6-cidr-block&lt;/code&gt; - An IPv6 CIDR block associated with the subnet.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;ipv6-cidr-block-association.association-id&lt;/code&gt; - An association ID for an IPv6 CIDR block associated with the subnet.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;ipv6-cidr-block-association.state&lt;/code&gt; - The state of an IPv6 CIDR block associated with the subnet.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the subnet (&lt;code&gt;pending&lt;/code&gt; |&lt;code&gt;available&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;subnet-id&lt;/code&gt; - The ID of the subnet.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag:&lt;/code&gt;&lt;i&gt;key&lt;/i&gt;&lt;/i&gt;&lt;value&gt;&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;&lt;i&gt;key&lt;/i&gt;&lt;/i&gt;&lt;value&gt;&lt;/i&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;vpc-id&lt;/code&gt; - The ID of the VPC for the subnet.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;";
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Filter",
"payload": false,
"queryName": null,
"shape": "FilterList",
"streaming": false,
"xmlNamespace": null
},
"SubnetIds": [
"deprecated": false,
"documentation": "&lt;p&gt;One or more subnet IDs.&lt;/p&gt; &lt;p&gt;Default: Describes all your subnets.&lt;/p&gt; ",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "SubnetId",
"payload": false,
"queryName": null,
"shape": "SubnetIdStringList",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,
"DescribeSubnetsResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeSubnets.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": false,
  "max": 0,
  "member": null,
  "members": {
    "Subnets": {
      "deprecated": false,
      "documentation": "<p>Information about one or more subnets.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "subnetSet",
      "payload": false,
      "queryName": null,
      "shape": "SubnetList",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
"wrapper" : false,
"DescribeTagsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeTags.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> <ul>
        <li> <code>key</code> - The tag key.</li>
        <li> <code>resource-id</code> - The resource ID.</li>
        <li> <code>value</code> - The tag value.</li>
      </ul>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "Filter",
      "payload" : false,
      "queryName" : null,
      "shape" : "FilterList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "MaxResults" : {
      "deprecated" : false,
      "documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "maxResults",
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"NextToken": {  "deprecated": false,  "documentation": "The token to retrieve the next page of results.",  "flattened": false,  "idempotencyToken": false,  "location": null,  "locationName": "nextToken",  "payload": false,  "queryName": null,  "shape": "String",  "streaming": false,  "xmlNamespace": null
},  
"DescribeTagsResult": {  "deprecated": false,  "documentation": "Contains the output of DescribeTags.",  "enum": null,  "error": null,  "exception": false,  "fault": false,  "flattened": false,  "key": null,  "max": 0,  "member": null,  "members": {  "NextToken": {  "deprecated": false,  "documentation": "The token to use to retrieve the next page of results. This value is null when there are no more results to return.",  "flattened": false,  "idempotencyToken": false,  "location": null,  "locationName": "nextToken",  "payload": false,  "queryName": null,  "shape": "String",  "streaming": false,  "xmlNamespace": null
}  
}  
}
"xmlNamespace" : null
],
"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>A list of tags.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagDescriptionList",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
],
"DescribeVolumeAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVolumeAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Attribute" : {
      "deprecated" : false,
      "documentation" : "<p>The instance attribute.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "VolumeAttributeName",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVolumeAttributeResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVolumeAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AutoEnableIO" : {
      "deprecated" : false,
      "documentation" : "<p>The state of <code>autoEnableIO</code> attribute.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "autoEnableIO",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
"xmlNamespace" : null
},
"ProductCodes" : {
  "deprecated" : false,
  "documentation" : "<p>A list of product codes.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "productCodes",
  "payload" : false,
  "queryName" : null,
  "shape" : "ProductCodeList",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVolumeStatusRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVolumeStatus.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
"member": null,
"members": {
"Filters": {
"deprecated": false,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Filter",
"payload": false,
"queryName": null,
"shape": "FilterList",
"streaming": false,
"xmlNamespace": null
},
"MaxResults": {
"deprecated": false,
"documentation": "The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."
},
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer"}
null,
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The <code>NextToken</code> value to include in a future
  <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>,
  this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more
  results to return.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeIds" : {
  "deprecated" : false,
  "documentation" : "<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "VolumeId",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeIdStringList",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVolumeStatusResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of <code>DescribeVolumeStatus</code>.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "NextToken" : {
    "deprecated" : false,
    "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "nextToken",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "VolumeStatuses" : {
    "deprecated" : false,
    "documentation" : "A list of volumes.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "volumeStatusSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "VolumeStatusList",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVolumesModificationsRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated request." <p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The <code>nextToken</code> value returned by a previous paginated request." <p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumesModifications" : {
"deprecated" : false,
"documentation" : "<p>A list of returned <a>VolumeModification</a> objects.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeModificationSet",
"payload" : false,
"queryName" : null,
"shape" : "VolumeModificationList",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVolumesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeVolumes.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p>
<ul>
<li><p><code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p>
</li>
<li><p><code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p>
</li>
<li><p><code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p>
</li>
<li><p><code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p>
</li>
<li><p><code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p>
</li>
<li><p><code>availability-zone</code> - The Availability Zone in which the volume was created.</p>
</li>
<li><p><code>create-time</code> - The time stamp when the volume was created.</p>
</li>
<li><p><code>encrypted</code> - The encryption status of the
The size of the volume, in GiB.

The status of the volume (creating | available | in-use | deleting | deleted | error).

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

The key of a tag assigned to the resource. This filter is independent of the <code>tag</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.
"deprecated" : false,
"documentation" : "<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeIds" : {
"deprecated" : false,
"documentation" : "<p>One or more volume IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VolumeId",
"payload" : false,
"queryName" : null,
"shape" : "VolumeIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
}]
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVolumesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVolumes.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "NextToken" : {
    "deprecated" : false,
    "documentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "nextToken",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Volumes" : {
    "deprecated" : false,
    "documentation" : "Information about the volumes.<p>"",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "volumeSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "VolumeList",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for DescribeVpcAttribute.<p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Attribute" : {
        "deprecated" : false,
        "documentation" : "The VPC attribute.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "VpcAttributeName",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "VpcId" : {
        "deprecated" : false,
        "documentation" : "The ID of the VPC.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlnsNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId", "Attribute" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcAttributeResult" : {
    "deprecated" : false,
    "documentation" : "Contains the output of DescribeVpcAttribute.",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"EnableDnsHostnames": {
"deprecated": false,
"documentation": "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "enableDnsHostnames",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"EnableDnsSupport": {
"deprecated": false,
"documentation": "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "enableDnsSupport",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
}
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVpcClassicLinkDnsSupportRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeVpcClassicLinkDnsSupport.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"MaxResults": {
"deprecated": false,
"documentation": "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "maxResults",
"payload": false,
"queryName": null,
"shape": "MaxResults",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
"deprecated": false,
"documentation": "The token for the next set of items to return. (You received this token from a prior call.)"
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "NextToken",
"streaming": false,
"xmlNamespace": null
}
"Vpcs": {  
  "deprecated": false,  
  "documentation": "Information about the ClassicLink DNS support status of the VPCs.",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "vpcs",  
  "payload": false,  
  "queryName": null,  
  "shape": "ClassicLinkDnsSupportList",  
  "streaming": false,  
  "xmlNamespace": null  
},  
"min": 0,  
"pattern": null,  
"payload": null,  
"required": null,  
"streaming": false,  
"type": "structure",  
"value": null,  
"wrapper": false  
},  
"DescribeVpcClassicLinkRequest": {  
  "deprecated": false,  
  "documentation": "Contains the parameters for DescribeVpcClassicLink.",  
  "enum": null,  
  "error": null,  
  "exception": false,  
  "fault": false,  
  "flattened": false,  
  "key": null,  
  "max": 0,  
  "member": null,  
  "members": {  
    "Filters": {  
      "deprecated": false,  
      "documentation": "One or more filters.",  
      "is-classic-link-enabled": 
        "Whether the VPC is enabled for ClassicLink (true | false).",  
      "tag": 
        "The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value."
        "tag-key": 
        "The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter tag-key=Purpose and the filter tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:Purpose filter.",  
      "tag-value": 
        "The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 

```
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Filter",
"payload": false,
"queryName": null,
"shape": "FilterList",
"streaming": false,
"xmlNamespace": null
},
"VpcIds": [
  "deprecated": false,
  "documentation": "One or more VPCs for which you want to describe the ClassicLink status.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "VpcId",
  "payload": false,
  "queryName": null,
  "shape": "VpcClassicLinkIdList",
  "streaming": false,
  "xmlNamespace": null
]
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVpcClassicLinkResult": {
  "deprecated": false,
  "documentation": "Contains the output of DescribeVpcClassicLink.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Vpcs": {
      "deprecated": false,
      "flattened": false,
"documentation" : "The ClassicLink status of one or more VPCs.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcSet",
"payload" : false,
"queryName" : null,
"shape" : "VpcClassicLinkList",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcEndpointServicesRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for DescribeVpcEndpointServices.
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.
Constraint: If the value is greater than 1000, we return only 1000 items.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
}
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcEndpointServicesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpcEndpointServices.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NextToken" : {
      "deprecated" : false,
      "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "nextToken",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
"xmlNamespace": null
},
"ServiceNames": {
  "deprecated": false,
  "documentation": "<p>A list of supported AWS services.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "serviceNameSet",
  "payload": false,
  "queryName": null,
  "shape": "ValueStringList",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVpcEndpointsRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeVpcEndpoints.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Filters": {
      "deprecated": false,
      "documentation": "<p>One or more filters.</p> <ul> <li> <code>service-name</code>: The name of the AWS service.</li> <li> <code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</li> <li> <code>vpc-endpoint-id</code>: The ID of the endpoint.</li> <li> <code>vpc-endpoint-state</code>: The state of the endpoint. (pending | available | deleting | deleted)</li> </ul>"},
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "Filter"}
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than
1000, we return only 1000 items.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token for the next set of items to return. (You received this token from a prior
call.)</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcEndpointIds" : {
"deprecated" : false,
"documentation" : "<p>One or more endpoint IDs.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VpcEndpointId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
"DescribeVpcEndpointsResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeVpcEndpoints.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "NextToken": {
      "deprecated": false,
      "documentation": "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "nextToken",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "VpcEndpoints": {
    "deprecated": false,
    "documentation": "<p>Information about the endpoints.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "vpcEndpointSet",
    "payload": false,
    "queryName": null,
    "shape": "VpcEndpointSet",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
DescribeVpcPeeringConnectionsRequest: {
  "deprecated": false,
  "documentation": "Contains the parameters for DescribeVpcPeeringConnections."
}

"DescribeVpcPeeringConnectionsRequest": {
  "deprecated": false,
  "documentation": "Contains the parameters for DescribeVpcPeeringConnections.

  - The IPv4 CIDR block of the peer VPC.
  - The AWS account ID of the owner of the peer VPC.
  - The ID of the peer VPC.
  - The expiration date and time for the VPC peering connection.
  - The IPv4 CIDR block of the requester's VPC.
  - The AWS account ID of the owner of the requester VPC.
  - The ID of the requester VPC.
  - The status of the VPC peering connection (pending-acceptance | failed | expired | provisioning | active | deleted | rejected | ).
  - A message that provides more information about the status of the VPC peering connection, if applicable.
  - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \"tag-key=\"Purpose\"\" value filter.
  - The value of a tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \"tag-value=\"X\"\" filter.

  "flattened": false,
  "idempotencyToken": false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"VpcPeeringConnectionIds" : {
"deprecated" : false,
"documentation" : "<p>One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VpcPeeringConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcPeeringConnectionsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpcPeeringConnections.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpcPeeringConnections" : {
"deprecated" : false,
"documentation" : "<p>Information about the VPC peering connections.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcPeeringConnectionSet",
"payload" : false,
"queryName" : null,
"shape" : "VpcPeeringConnectionList",
"streaming" : false,
"xmlNamespace" : null
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},
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcsRequest" : {
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"documentation" : "<p>Contains the parameters for DescribeVpcs.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li><p><code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>).</p></li>
<li><p><code>dhcp-options-id</code> - The ID of a set of DHCP options.</p></li>
<li><p><code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC.</p></li>
<li><p><code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.</p></li>
<li><p><code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.</p></li>
<li><p><code>isDefault</code> - Indicates whether the VPC is the default VPC.</p></li>
<li><p><code>state</code> - The state of the VPC (pending | available).</p></li>
</ul>
"tag-key" :<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <ul>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose
(regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC.<p> </li> }",

```
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"location" : null,
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"payload" : false,
"queryString" : null,
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"xmlNamespace" : null
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"VpcIds" : {
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"location" : null,
"locationName" : "VpcId",
"payload" : false,
"queryString" : null,
"shape" : "VpcIdStringList",
"streaming" : false,
"xmlNamespace" : null
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
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"enum" : null,
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"key" : null,
"max" : 0,
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    "payload" : false,
    "queryName" : null,
    "shape" : "VpcList",
    "streaming" : false,
    "xmlNamespace" : null
  }
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"type" : "structure",
"value" : null,
"wrapper" : false
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"DescribeVpnConnectionsRequest" : {
  "deprecated" : false,
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  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</p> </li> <li> <p> <code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).<p></code> </li> <li> <p> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</p> </li> <li> <p> <code>destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</p> </li> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the
resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose=X</code> for the filter name and <code>X</code> for the filter value. <p></p> <li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li><p><code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec</code>.</p> <li><p><code>vpn-connection-id</code> - The ID of the VPN connection.</p> <li><p><code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.</p>
"documentation" : "<p>Contains the output of DescribeVpnConnections.</p>",
"enum" : null,
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"exception" : false,
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    "payload" : false,
    "queryName" : null,
    "shape" : "VpnConnectionList",
    "streaming" : false,
    "xmlNamespace" : null
  }
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"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> <ul> <li> <p>
"attachment.state" - The current
state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> </li> <li> <p> <code>state</code> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose=X</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code> </p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway. </p> </li> </ul>
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    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
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    "deprecated": false,
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    "idempotencyToken": false,
    "location": null,
    "locationName": "vpcId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
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"min": 0,
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  "deprecated": false,
  "documentation": "Contains the output of DetachClassicLinkVpc.",
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  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
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    "idempotencyToken": false,
    "location": null,
    "locationName": "return",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
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  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
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      "idempotencyToken": false,
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      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
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    }
  }
}
"streaming" : false,
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"flattened" : false,
"idempotencyToken" : false,
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"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InternetGatewayId", "VpcId" ],
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"type" : "structure",
"value" : null,
"wrapper" : false
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
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"member" : null,
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"flattened" : false,
"idempotencyToken" : false,
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"locationName" : "attachmentId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"streaming": false,
"xmlNamespace": null
},
"Force": {
"deprecated": false,
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"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "force",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
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"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
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"documentation": "<p>Contains the parameters for DetachVolume.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
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"deprecated": false,
"documentation": "<p>The device name.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"streaming": false,
"xmlNamespace": null
},
"Force": {
  "deprecated": false,
  "documentation": "<p>Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "Boolean",
  "streaming": false,
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  "documentation": "<p>The ID of the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
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"VolumeId": {
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  "idempotencyToken": false,
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  "locationName": null,
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  "queryName": null,
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  "xmlNamespace": null
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"value" : null,
"wrapper" : false
},
"DetachVolumeResult" : {
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"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
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"member" : null,
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"payload" : false,
"queryName" : null,
"shape" : "VolumeAttachment",
"streaming" : false,
"xmlnsNamespace" : null
}
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"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"DetachVpnGatewayRequest" : {
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"enum" : null,
"error" : null,
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    "idempotencyToken": false,
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    "payload": false,
    "queryName": null,
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    "streaming": false,
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  },
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  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
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"value" : null,
"wrapper" : false
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"DhcpConfiguration" : {
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"documentation" : "<p>Describes a DHCP configuration option.</p>",
"enum" : null,
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"key" : null,
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"idempotencyToken" : false,
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  "max" : 0,
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      "max" : 0,
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              "fault" : false,
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                  "error" : null,
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"documentation": "One or more DHCP options in the set.\n\n", "flattened": false,
"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName": null,
"shape": "DhcpConfigurationList",
"streaming": false,
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"queryName": null,
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"xmlns": null
},
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"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlns": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DhcpOptionsIdStringList": {
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "DhcpOptions",
"streaming": false,
"xmlNamespace": null
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"members": [ ],
"min": 0,
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"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"DisableVgwRoutePropagationRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DisableVgwRoutePropagation.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ {
"GatewayId": {
"deprecated": false,
"documentation": "<p>The ID of the virtual private gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"RouteTableName": {
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"documentation": "<p>The ID of the route table.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
}
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "RouteTableId", "GatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DisableVpcClassicLinkDnsSupportRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DisableVpcClassicLinkDnsSupport.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"DisableVpcClassicLinkDnsSupportResult" : {
  "deprecated" : false,
  "documentation" : "\pContains the output of DisableVpcClassicLinkDnsSupport.\p",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
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    "Return" : {
      "deprecated" : false,
      "documentation" : "\pReturns \code{true}\code{true} if the request succeeds; otherwise, it returns an error.\p",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "return",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DisableVpcClassicLinkRequest" : {
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  "documentation" : "\pContains the parameters for DisableVpcClassicLink.\p",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "VpcId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DisableVpcClassicLinkResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DisableVpcClassicLink.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
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      "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "return",
      "payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"DisassociateAddressRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DisassociateAddress.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The association ID. Required for EC2-VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PublicIp" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"DisassociateIamInstanceProfileRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "The ID of the IAM instance profile association.\n",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "AssociationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper": false
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"DisassociateIamInstanceProfileResult": {
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  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "IamInstanceProfileAssociation": {
      "deprecated": false,
      "documentation": "<p>Information about the IAM instance profile association.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "iamInstanceProfileAssociation",
      "payload": false,
      "queryName": null,
      "shape": "IamInstanceProfileAssociation",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},
"DisassociateRouteTableRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DisassociateRouteTable.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
"members" : {
  "AssociationId" : {
    "deprecated" : false,
    "documentation" : "<p>The association ID representing the current association between the route table and subnet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "associationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "AssociationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DisassociateSubnetCidrBlockRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AssociationId" : {
      "deprecated" : false,
      "documentation" : "<p>The association ID for the CIDR block.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "associationId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "AssociationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DisassociateSubnetCidrBlockResult" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Ipv6CidrBlockAssociation" : {
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlockAssociation",
"payload" : false,
"queryName" : null,
"shape" : "SubnetIpv6CidrBlockAssociation",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DisassociateVpcCidrBlockRequest": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AssociationId": {
"deprecated": false,
"documentation": "The association ID for the CIDR block."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "AssociationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "AssociationId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"DisassociateVpcCidrBlockResult": {
"deprecated" : false,
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"enum" : null,
"error" : null,
"exception" : false,
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"max" : 0,
"member" : null,
"members" : {
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    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ipv6CidrBlockAssociation",
    "payload" : false,
    "queryName" : null,
    "shape" : "VpcIpv6CidrBlockAssociation",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "VpcId" : {
    "deprecated" : false,
    "documentation" : "The ID of the VPC."
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DiskImage" : {
"deprecated": false, 
"documentation": "<p>Describes a disk image.</p>", 
"enum": null, 
"error": null, 
"exception": false, 
"fault": false, 
"flattened": false, 
"key": null, 
"max": 0, 
"member": null, 
"members": [ 
  { "Description": [ 
    "deprecated": false, 
    "documentation": "<p>A description of the disk image.</p>", 
    "flattened": false, 
    "idempotencyToken": false, 
    "location": null, 
    "locationName": null, 
    "payload": false, 
    "queryName": null, 
    "shape": "String", 
    "streaming": false, 
    "xmlNamespace": null 
  ], 
  { "Image": [ 
    "deprecated": false, 
    "documentation": "<p>Information about the disk image.</p>", 
    "flattened": false, 
    "idempotencyToken": false, 
    "location": null, 
    "locationName": null, 
    "payload": false, 
    "queryName": null, 
    "shape": "DiskImageDetail", 
    "streaming": false, 
    "xmlNamespace": null 
  ], 
  { "Volume": [ 
    "deprecated": false, 
    "documentation": "<p>Information about the volume.</p>", 
    "flattened": false, 
    "idempotencyToken": false, 
    "location": null, 
    "locationName": null, 
    "payload": false, 
    "queryName": null, 
    "shape": "VolumeDetail", 
    "streaming": false, 

"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DiskImageDescription" : {
"deprecated" : false,
"documentation" : "<p>Describes a disk image.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Checksum" : {
"deprecated" : false,
"documentation" : "<p>The checksum computed for the disk image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "checksum",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {
"deprecated" : false,
"documentation" : "<p>The disk image format.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "format",
"payload" : false,
"queryName" : null,
"shape" : "DiskImageFormat",
"streaming" : false,
"xmlNamespace": null,
},
"ImportManifestUrl": {
  "deprecated": false,
  "documentation": "A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the "Authenticating REST Requests" topic in the Amazon Simple Storage Service Developer Guide.
  "For information about the import manifest referenced by this API action, see VM Import Manifest.

  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "importManifestUrl",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Size": {
  "deprecated": false,
  "documentation": "The size of the disk image, in GiB.
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "size",
  "payload": false,
  "queryName": null,
  "shape": "Long",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "Format", "Size", "ImportManifestUrl" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DiskImageDetail": {
  "deprecated": false,
  "documentation": "Describes a disk image.
  "}
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {

"Bytes" : {
  "deprecated" : false,
  "documentation" : "<p>The size of the disk image, in GiB.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "bytes",
  "payload" : false,
  "queryName" : null,
  "shape" : "Long",
  "streaming" : false,
  "xmlNamespace" : null
  
},

"Format" : {
  "deprecated" : false,
  "documentation" : "<p>The disk image format.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "format",
  "payload" : false,
  "queryName" : null,
  "shape" : "DiskImageFormat",
  "streaming" : false,
  "xmlNamespace" : null
  
},

"ImportManifestUrl" : {
  "deprecated" : false,
  "documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>"
  
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  
}
"locationName": "importManifestUrl",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "Format", "Bytes", "ImportManifestUrl" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DiskImageFormat": {
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"documentation": null,
"enum": [ "VMDK", "RAW", "VHD" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"DiskImageList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "DiskImage",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : [  ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"DiskImageVolumeDescription" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a disk image volume.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Id" : {
      "deprecated" : false,
      "documentation" : "<p>The volume identifier.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "id",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
"Size" : {
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "size",
  "payload" : false,
  "queryName" : null,
  "shape" : "Long",
  "streaming" : false,
  "xmlNamespace" : null
}
,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Id" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DomainType" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "vpc", "standard" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"Double" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
"EbsBlockDevice" : {
  "deprecated" : false,
  "documentation" : "Describes a block device for an EBS volume.\<p>\</p>\",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "double",
  "value" : null,
  "wrapper" : false,
},

"DeleteOnTermination" : {
  "deprecated" : false,
  "documentation" : "Indicates whether the EBS volume is deleted on instance termination.\<p>\</p>\",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "deleteOnTermination",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},

"Encrypted" : {
  "deprecated" : false,
  "documentation" : "Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.\<p>\</p>\",
  "flattened" : false,
  "idempotencyToken" : false,
"location" : null,
"locationName" : "encrypted",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
},
"Iops" : {
"deprecated" : false,
"documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.<p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iops",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "The ID of the snapshot."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "snapshotId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"VolumeSize" : {
"deprecated" : false,
"documentation" : "The size of the volume, in GiB."<p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput
Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic
(<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the
Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

The volume type: `<code>gp2</code>`, `<code>io1</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>`.

Default: `<code>standard</code>`
"AttachTime" : {
  "deprecated" : false,
  "documentation" : "<p>The time stamp when the attachment initiated.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "attachTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},
"DeleteOnTermination" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the volume is deleted on instance termination.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "deleteOnTermination",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"Status" : {
  "deprecated" : false,
  "documentation" : "<p>The attachment state.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "AttachmentStatus",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
  "payload" : false,
  "queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"EbsInstanceBlockDeviceSpecification" : {
"deprecated" : false,
"documentation" : "Describes information used to set up an EBS volume specified in a block device mapping.

<p>Indicates whether the volume is deleted on instance termination.</p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deleteOnTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeId" : {
"deprecated" : false,
"documentation" : "The ID of the EBS volume.

<p>The ID of the EBS volume.</p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeId",
"payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,"EgressOnlyInternetGateway": {
"deprecated": false,
"documentation": "<p>Describes an egress-only Internet gateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": false,
"max": 0,
"member": null,
"members": {
"Attachments": {
"deprecated": false,
"documentation": "<p>Information about the attachment of the egress-only Internet gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attachmentSet",
"payload": false,
"queryName": null,
"shape": "InternetGatewayAttachmentList",
"streaming": false,
"xmlNamespace": null
}
},
"EgressOnlyInternetGatewayId": {
"deprecated": false,
"documentation": "<p>The ID of the egress-only Internet gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "egressOnlyInternetGatewayId",
"payload": false,
"queryName" : null,
"shape" : "EgressOnlyInternetGatewayId",
"streaming" : false,
"xmlNamespace" : null
}
,
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
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"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
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"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}
,"EgressOnlyInternetGatewayIdList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"EgressOnlyInternetGatewayList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "EgressOnlyInternetGateway",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"EnableVgwRoutePropagationRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for EnableVgwRoutePropagation.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "GatewayId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the virtual private gateway.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    },
    "RouteTableId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the route table.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
"required" : [ "RouteTableId", "GatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"EnableVolumeIORequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for EnableVolumeIO.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VolumeId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"EnableVpcClassicLinkDnsSupportRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for EnableVpcClassicLinkDnsSupport.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpcId": {
"deprecated": false,
"documentation": "The ID of the VPC.  
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"EnableVpcClassicLinkDnsSupportResult": {
"deprecated": false,
"documentation": "Contains the output of EnableVpcClassicLinkDnsSupport."
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Return": {
"deprecated": false,
"documentation": "Returns \"true\" if the request succeeds; otherwise, it returns an 
error."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "return"
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"EnableVpcClassicLinkRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for EnableVpcClassicLink.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "vpcId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  }
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"EnableVpcClassicLinkResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of EnableVpcClassicLink.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Return" : {
      "deprecated" : false,
      "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "return",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"EventCode" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "instance-reboot", "system-reboot", "system-maintenance", "instance-retirement", "instance-stop" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"EventInformation" : {
"deprecated" : false,
"documentation" : "<p>Describes a Spot fleet event.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"EventDescription" : {
"deprecated" : false,
"documentation" : "<p>The description of the event.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "eventDescription",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"EventSubType" : {
"deprecated" : false,
"documentation" : "<p>The event.</p>
The following are the <code>error</code> events.<p>
</p><ul>
<li><p><code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p>
</li>
<li><p><code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p>
</li>
<li><p><code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p>
</li>
<li><p><code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p>
</li>
</ul>
The following are the <code>fleetRequestChange</code> events.<p>
</p><ul>
<li><p><code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the
target number of running Spot instances.</p> <li><p><code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> <li><p><code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> <li><p><code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> <li><p><code>cancelled</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> <li><p><code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> <li><p><code>modify_successful</code> - The Spot fleet request was modified.</p> <li><p><code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li><p><code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> <li>The following are the <code>instanceChange</code> events.</li> <ul> <li><p><code>launched</code> - A bid was fulfilled and a new instance was launched.</p> <li><p><code>terminated</code> - An instance was terminated by the user.</p> </ul>"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "eventSubType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "The ID of the instance. This information is available only for <code>instanceChange</code> events."flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"EventType" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "instanceChange", "fleetRequestChange", "error" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"ExcessCapacityTerminationPolicy" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "noTermination", "default" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"ExecutableByStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
}
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ExecutableBy",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ExportEnvironment" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "citrix", "vmware", "microsoft" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false}
"ExportTask" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an instance export task.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Description" : {
      "deprecated" : false,
      "documentation" : "&lt;p&gt;A description of the resource being exported.&lt;/p&gt;",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "description",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ExportTaskId" : {
      "deprecated" : false,
      "documentation" : "&lt;p&gt;The ID of the export task.&lt;/p&gt;",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "exportTaskId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ExportToS3Task" : {
      "deprecated" : false,
      "documentation" : "&lt;p&gt;Information about the export task.&lt;/p&gt;",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "exportToS3",
      "payload" : false,
      "queryName" : null,
    }
  }
}
"shape" : "ExportToS3Task",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceExportDetails" : {
"deprecated" : false,
"documentation" : "<p>Information about the instance to export.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceExport",
"payload" : false,
"queryName" : null,
"shape" : "InstanceExportDetails",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The state of the export task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "ExportTaskState",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "<p>The status message related to the export task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ExportTaskIdStringList" : {
"deprecated" : false,
"documentation" : null,
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
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"idempotencyToken" : false,
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"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"members" : [ ],
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
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"ExportTaskList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
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"key" : null,
"max" : 0,
"member": { }
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"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "ExportTask",
"streaming": false,
"xmlnsNamespace": null
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"members": { },
"min": 0,
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"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"ExportTaskState": { }
"deprecated": false,
"documentation": null,
"enum": [ "active", "cancelling", "cancelled", "completed" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { },
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"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"ExportToS3Task": { }
"deprecated": false,
"documentation": "Describes the format and location for an instance export task."}
The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.

The format for the exported image.

The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. 

The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.
"S3Key" : {
  "deprecated" : false,
  "documentation" : "The encryption key for your S3 bucket.\n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "s3Key",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ExportToS3TaskSpecification" : {
  "deprecated" : false,
  "documentation" : "Describes an instance export task.\n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ContainerFormat" : {
      "deprecated" : false,
      "documentation" : "The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  \n  "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
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      "payload" : false,
      "queryName" : null,
      "shape" : "ContainerFormat",
      "streaming" : false,
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"xmlNamespace" : null
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"DiskImageFormat" : {
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"documentation" : "The format for the exported image.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "diskImageFormat",
"payload" : false,
"queryName" : null,
"shape" : "DiskImageFormat",
"streaming" : false,
"xmlNamespace" : null
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"S3Bucket" : {
"deprecated" : false,
"documentation" : "The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "s3Bucket",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"S3Prefix" : {
"deprecated" : false,
"documentation" : "The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "s3Prefix",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"Filter": {
  "deprecated": false,
  "documentation": "A filter name and value pair that is used to return a more specific list of results. Filters can be used to match a set of resources by various criteria, such as tags, attributes, or IDs."
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Name": {
      "deprecated": false,
      "documentation": "The name of the filter. Filter names are case-sensitive."
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Values": {
      "deprecated": false,
      "documentation": "One or more filter values. Filter values are case-sensitive."
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "Value",
      "payload": false,
      "queryName": null,
      "shape": "ValueStringList",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
}
"FilterList" : {  
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "Filter",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"FleetType" : {  
"deprecated" : false,
"documentation" : null,
"enum" : [ "request", "maintain" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "creationTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"DeliverLogsErrorMessage" : {
"deprecated" : false,
"documentation" : "<p>Information about the error that occurred. `<code>Rate limited</code>` indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. `<code>Access error</code>` indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. `<code>Unknown error</code>` indicates an internal error.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deliverLogsErrorMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeliverLogsPermissionArn" : {
"deprecated" : false,
"documentation" : "<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deliverLogsPermissionArn",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeliverLogsStatus" : {
"deprecated" : false,
"documentation" : "<p>The status of the logs delivery (\ `<code>SUCCESS</code>` | `<code>FAILED</code>`).</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deliverLogsStatus",}
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"idempotencyToken" : false,
"location" : null,
"locationName" : "resourceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"TrafficType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of traffic captured for the flow log.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "trafficType",
  "payload" : false,
  "queryName" : null,
  "shape" : "TrafficType",
  "streaming" : false,
  "xmlNamespace" : null
  
},

"FlowLogSet" : {
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  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
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    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
  },

}
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "FlowLog",
"streaming" : false,
"xmlNamespace" : null
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"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"FlowLogsResourceType" : {
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"documentation" : null,
"enum" : [ "VPC", "Subnet", "NetworkInterface" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"GatewayType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "ipsec.1" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"GetConsoleOutputRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for GetConsoleOutput.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceId" : {
"deprecated" : false,
"documentation" : "The ID of the instance.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetConsoleOutputResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of GetConsoleOutput.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
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    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Output" : {
    "deprecated" : false,
    "documentation" : "<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "output",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Timestamp" : {
    "deprecated" : false,
    "documentation" : "<p>The time the output was last updated.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "timestamp",
    "payload" : false,
    "queryName" : null,
    "shape" : "DateTime"}
"streaming": false,
"xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"GetConsoleScreenshotRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for the request.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"WakeUp": {
"deprecated": false,
"documentation": "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"template" : {
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetConsoleScreenshotResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of the request.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ImageData" : {
      "deprecated" : false,
      "documentation" : "<p>The data that comprises the image.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "imageData",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "instanceId",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetHostReservationPurchasePreviewRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"HostIdSet" : {
"deprecated" : false,
"documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "RequestHostIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"OfferingId" : {
"deprecated" : false,
"documentation" : "The offering ID of the reservation."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,

"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "OfferingId", "HostIdSet" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetHostReservationPurchasePreviewResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CurrencyCode" : {
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Purchase" : {
"deprecated" : false,
"documentation" : "<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.\</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "purchase",
"payload" : false,
"queryName" : null,
"shape" : "PurchaseSet",
"streaming" : false,
"xmlNamespace" : null
},
"TotalHourlyPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The potential total hourly price of the reservation per hour.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "totalHourlyPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"TotalUpfrontPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The potential total upfront price. This is billed immediately.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "totalUpfrontPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false

},
"GetPasswordDataRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for GetPasswordData.</p>",
  "enum" : null,
  "error" : null,
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "InstanceId" : {
    "deprecated" : false,
    "documentation" : "The ID of the Windows instance."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "InstanceId" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"GetPasswordDataResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of GetPasswordData."",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "The ID of the Windows instance."",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PasswordData": {
  "deprecated": false,
  "documentation": "<p>The password of the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "passwordData",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
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"Timestamp": {
  "deprecated": false,
  "documentation": "<p>The time the data was last updated.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "timestamp",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"GetReservedInstancesExchangeQuoteRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for GetReservedInstanceExchangeQuote.</p>",
  "enum": null,
  "error": null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ReservedInstanceIds" : {
    "deprecated" : false,
    "documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ReservedInstanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "ReservedInstanceIdSet",
    ".streaming" : false,
    "xmlNamespace" : null
  },
  "TargetConfigurations" : {
    "deprecated" : false,
    "documentation" : "<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "TargetConfiguration",
    "payload" : false,
    "queryName" : null,
    "shape" : "TargetConfigurationRequestSet",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
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"payload" : null,
"required" : [ "ReservedInstanceIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"GetReservedInstancesExchangeQuoteResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of GetReservedInstancesExchangeQuote.</p>",
  "enum" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"error": null,
"exception": false,
"fault": false,
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"key": null,
"max": 0,
"member": null,
"members": {
  "CurrencyCode": {
    "deprecated": false,
    "documentation": "<p>The currency of the transaction.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "currencyCode",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "IsValidExchange": {
    "deprecated": false,
    "documentation": "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "isValidExchange",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
  },
  "OutputReservedInstancesWillExpireAt": {
    "deprecated": false,
    "documentation": "<p>The new end date of the reservation term.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "outputReservedInstancesWillExpireAt",
    "payload": false,
    "queryName": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlNamespace": null
  }
},
"Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 11384"
"PaymentDue" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The total true upfront charge for the exchange.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "paymentDue",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
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"ReservedInstanceValueRollup" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "reservedInstanceValueRollup",
    "payload" : false,
    "queryName" : null,
    "shape" : "ReservationValue",
    "streaming" : false,
    "xmlNamespace" : null
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"ReservedInstanceValueSet" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The configuration of your Convertible Reserved Instances.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "reservedInstanceValueSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "ReservedInstanceReservationValueSet",
    "streaming" : false,
    "xmlNamespace" : null
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"TargetConfigurationValueRollup" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "targetConfigurationValueRollup",
    "payload" : false,
    "queryName" : null,
"shape": "ReservationValue",
"streaming": false,
"xmlNamespace": null
},
"TargetConfigurationValueSet": {
"deprecated": false,
"documentation": "<p>The values of the target Convertible Reserved Instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "targetConfigurationValueSet",
"payload": false,
"queryName": null,
"shape": "TargetReservationValueSet",
"streaming": false,
"xmlNamespace": null
},
"ValidationFailureReason": {
"deprecated": false,
"documentation": "<p>Describes the reason why the exchange cannot be completed.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "validationFailureReason",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
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"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"GroupIdStringList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"xmlNamespace" : null
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"GroupName" : {
"deprecated" : false,
"documentation" : "<p>The name of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"GroupIdentifierList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
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"key" : null,
"max" : 0,
"member" : [
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "GroupIdentifier",
"streaming" : false,
"xmlNamespace" : null
]}.}
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "GroupName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
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"members" : [],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"HistoryRecord" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an event in the history of the Spot fleet request.</p> ",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "EventInformation" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the event.</p> ",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "eventInformation",
      "payload" : false,
"queryName" : null,
"shape" : "EventInformation",
"streaming" : false,
"xmlNamespace" : null
},
"EventType" : {
"deprecated" : false,
"documentation" : "<p>The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "eventType",
"payload" : false,
"queryName" : null,
"shape" : "EventType",
"streaming" : false,
"xmlNamespace" : null
},
"Timestamp" : {
"deprecated" : false,
"documentation" : "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "timestamp",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
],
"HistoryRecords" : {
"deprecated" : false,
"pattern" : null,
"payload" : null,
"required" : [ "Timestamp", "EventType", "EventInformation" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"HistoryRecords" : {
"deprecated" : false,
"documentation" : null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "item",
  "payload": false,
  "queryName": null,
  "shape": "HistoryRecord",
  "streaming": false,
  "xmlNamespace": null
},
"members": {},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"Host": {
  "deprecated": false,
  "documentation": "<p>Describes the properties of the Dedicated Host.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AutoPlacement": {
      "deprecated": false,
      "documentation": "<p>Whether auto-placement is on or off.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
    }
  }
}
"locationName" : "autoPlacement",
"payload" : false,
"queryName" : null,
"shape" : "AutoPlacement",
"streaming" : false,
"xmlNamespace" : null
},
"AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the Dedicated Host.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availabilityZone",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"AvailableCapacity" : {
"deprecated" : false,
"documentation" : "<p>The number of new instances that can be launched onto the Dedicated Host.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availableCapacity",
"payload" : false,
"queryName" : null,
"shape" : "AvailableCapacity",
"streaming" : false,
"xmlNamespace" : null
},
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"HostId": {
  "deprecated": false,
  "documentation": "<p>The ID of the Dedicated Host.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "hostId",
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"HostProperties": {
  "deprecated": false,
  "documentation": "<p>The hardware specifications of the Dedicated Host.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "hostProperties",
  "payload": false,
  "queryString": null,
  "shape": "HostProperties",
  "streaming": false,
  "xmlNamespace": null
},
"HostReservationId": {
  "deprecated": false,
  "documentation": "<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "hostReservationId",
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Instances": {
  "deprecated": false,
  "documentation": "<p>The IDs and instance type that are currently running on the Dedicated Host.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instances",
  "payload": false,
  "queryString": null,
  "shape": "Instances",
  "streaming": false,
  "xmlNamespace": null
}
"payload": false,
"queryName": null,
"shape": "HostInstanceList",
"streaming": false,
"xmlNamespace": null
},
"State": {
  "deprecated": false,
  "documentation": "<p>The Dedicated Host's state.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
  "queryName": null,
  "shape": "AllocationState",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"HostInstance": {
  "deprecated": false,
  "documentation": "<p>Describes an instance running on a Dedicated Host.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "InstanceId": {
      "deprecated": false,
      "documentation": "<p>the IDs of instances that are running on the Dedicated Host.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceType" : {
"deprecated" : false,
"documentation" : "<p>The instance type size (for example, <code>m3.medium</code>) of the running instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"HostInstanceList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName": null,
"shape": "HostInstance",
"streaming": false,
"xmlNamespaces": null
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"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "Host",
"streaming": false,
"xmlNamespaces": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
}
}
"HostOffering": {
  "deprecated": false,
  "documentation": "<p>Details about the Dedicated Host Reservation offering.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [
    "CurrencyCode": {
      "deprecated": false,
      "documentation": "<p>The currency of the offering.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "currencyCode",
      "payload": false,
      "queryName": null,
      "shape": "CurrencyCodeValues",
      "streaming": false,
      "xmlNamespace": null
    },
    "Duration": {
      "deprecated": false,
      "documentation": "<p>The duration of the offering (in seconds).</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "duration",
      "payload": false,
      "queryName": null,
      "shape": "Integer",
      "streaming": false,
      "xmlNamespace": null
    },
    "HourlyPrice": {
      "deprecated": false,
      "documentation": "<p>The hourly price of the offering.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "hourlyPrice",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "shape": "String"
    }
  ]
}
"locationName": "upfrontPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"HostOfferingSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "HostOffering",
"streaming": false,
"xmlNamespace": null
}
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"HostProperties": {
  "deprecated": false,
  "documentation": "<p>Describes properties of a Dedicated Host.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Cores": {
      "deprecated": false,
      "documentation": "<p>The number of cores on the Dedicated Host.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "cores",
      "payload": false,
      "queryString": null,
      "shape": "Integer",
      "streaming": false,
      "xmlNamespace": null
    },
    "InstanceType": {
      "deprecated": false,
      "documentation": "<p>The instance type size that the Dedicated Host supports (for example,
<code>m3.medium</code>).</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "instanceType",
      "payload": false,
      "queryString": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Sockets": {
      "deprecated": false,
      "documentation": "<p>The number of sockets on the Dedicated Host.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "sockets"
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"TotalVCpus" : {
"deprecated" : false,
"documentation" : "<p>The number of vCPUs on the Dedicated Host.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "totalVCpus",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"HostReservation" : {
"deprecated" : false,
"documentation" : "<p>Details about the Dedicated Host Reservation and associated Dedicated Hosts.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Count" : {
"deprecated" : false,
"documentation" : "<p>The number of Dedicated Hosts the reservation is associated with.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "count",
"payload" : false,
"queryName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
},
"CurrencyCode" : {
  "deprecated" : false,
  "documentation" : "The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "currencyCode",
  "payload" : false,
  "queryName" : null,
  "shape" : "CurrencyCodeValues",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"Duration" : {
  "deprecated" : false,
  "documentation" : "The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "duration",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"End" : {
  "deprecated" : false,
  "documentation" : "The date and time that the reservation ends.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "end",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"HostIdSet" : {
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hostIdSet",
  "payload" : false,
  "queryString" : null,
  "shape" : "ResponseHostIdSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"HostReservationId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hostReservationId",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"HourlyPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The hourly price of the reservation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hourlyPrice",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceFamily" : {
  "deprecated" : false,
  "documentation" : "<p>The instance family of the Dedicated Host Reservation. The instance family on the
Dedicated Host must be the same in order for it to benefit from the reservation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceFamily",
  "payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"OfferingId": {
  "deprecated": false,
  "documentation": "The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "offeringId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PaymentOption": {
  "deprecated": false,
  "documentation": "The payment option selected for this reservation.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "paymentOption",
  "payload": false,
  "queryName": null,
  "shape": "PaymentOption",
  "streaming": false,
  "xmlNamespace": null
},
"Start": {
  "deprecated": false,
  "documentation": "The date and time that the reservation started.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "start",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},
"State": {
  "deprecated": false,
  "documentation": "The state of the reservation.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "ReservationState",
"streaming" : false,
"xmlnsNamespace" : null
},
"UpfrontPrice" : {
"deprecated" : false,
"documentation" : "<p>The upfront price of the reservation.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "upfrontPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"HostReservationIdSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"value": null,
"wrapper": false
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"HostTenancy": {
  "deprecated": false,
  "documentation": null,
  "enum": ["dedicated", "host"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [ ],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": null,
  "type": "string",
  "value": null,
  "wrapper": false
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"HypervisorType": {
  "deprecated": false,
  "documentation": null,
  "enum": ["ovm", "xen"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [ ],
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  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
},
"IamInstanceProfile": {
  "deprecated": false,
  "documentation": "Describes an IAM instance profile.",
  "max": 0,
  "member": null,
  "members": [ ],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
}
"IamInstanceProfile": {
  "deprecated": false,
  "documentation": "Describes an IAM instance profile."

"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Arn" : {
"deprecated" : false,
"documentation" : "The Amazon Resource Name (ARN) of the instance profile."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "arn",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Id" : {
"deprecated" : false,
"documentation" : "The ID of the instance profile."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "id",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"IamInstanceProfileAssociation" : {
"deprecated" : false,
"documentation" : "Describes an association between an IAM instance profile and an instance."}
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AssociationId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the association.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "associationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "IamInstanceProfile" : {
    "deprecated" : false,
    "documentation" : "<p>The IAM instance profile.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "iamInstanceProfile",
    "payload" : false,
    "queryName" : null,
    "shape" : "IamInstanceProfile",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "InstanceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"State" : {
  "deprecated" : false,
  "documentation" : "<p>The state of the association.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryName" : null,
  "shape" : "IamInstanceProfileAssociationState",
  "streaming" : false,
  "xmlNamespace" : null
},
"Timestamp" : {
  "deprecated" : false,
  "documentation" : "<p>The time the IAM instance profile was associated with the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "timestamp",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
}
}
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Arn" : {
    "deprecated" : false,
    "documentation" : "The Amazon Resource Name (ARN) of the instance profile.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "arn",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Name" : {
    "deprecated" : false,
    "documentation" : "The name of the instance profile.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "name",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"IcmpTypeCode" : {
  "deprecated" : false,
  "documentation" : "Describes the ICMP type and code.",
  "enum" : null,
  "error" : null,
  "exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Code" : {
    "deprecated" : false,
    "documentation" : "The ICMP code. A value of -1 means all codes for the specified ICMP type.<p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "code",
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Type" : {
    "deprecated" : false,
    "documentation" : "The ICMP type. A value of -1 means all types.<p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "type",
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"IdFormat" : {
  "deprecated" : false,
  "documentation" : "Describes the ID format for a resource.<p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Deadline" : {
    "deprecated" : false,
    "documentation" : "The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.\n",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "deadline",
    "payload" : false,
    "queryName" : null,
    "shape" : "DateTime",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Resource" : {
    "deprecated" : false,
    "documentation" : "The type of resource.\n",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "resource",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "UseLongIds" : {
    "deprecated" : false,
    "documentation" : "Indicates whether longer IDs (17-character IDs) are enabled for the resource.\n",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "useLongIds",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"IdFormatList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "IdFormat",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"Image" : {
"deprecated" : false,
"documentation" : "<p>Describes an image.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Architecture" : {
    "deprecated" : false,
    "documentation" : "<p>The architecture of the image.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "architecture",
    "payload" : false,
    "queryName" : null,
    "shape" : "ArchitectureValues",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "BlockDeviceMappings" : {
    "deprecated" : false,
    "documentation" : "<p>Any block device mapping entries.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "blockDeviceMapping",
    "payload" : false,
    "queryName" : null,
    "shape" : "BlockDeviceMappingList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "CreationDate" : {
    "deprecated" : false,
    "documentation" : "<p>The date and time the image was created.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "creationDate",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "deprecated" : false,
    "documentation" : "<p>The description of the AMI that was provided during image creation.</p>",
    "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"EnaSupport" : {
  "deprecated" : false,
  "documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "enaSupport",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"Hypervisor" : {
  "deprecated" : false,
  "documentation" : "<p>The hypervisor type of the image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hypervisor",
  "payload" : false,
  "queryName" : null,
  "shape" : "HypervisorType",
  "streaming" : false,
  "xmlNamespace" : null
},
"ImageId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ImageLocation" : {
  "deprecated" : false,
  "documentation" : "<p>The location of the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageLocation",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ImageOwnerAlias" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageOwnerAlias",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ImageType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageType",
  "payload" : false,
  "queryName" : null,
  "shape" : "ImageTypeValues",
  "streaming" : false,
  "xmlNamespace" : null
},
"KernelId" : {
  "deprecated" : false,
  "documentation" : "<p>The kernel associated with the image, if any. Only applicable for machine images.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kernelId"
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Name" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the AMI that was provided during image creation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "name",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"OwnerId" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the image owner.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageOwnerId",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Platform" : {
  "deprecated" : false,
  "documentation" : "<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "platform",
  "payload" : false,
  "queryString" : null,
  "shape" : "PlatformValues",
  "streaming" : false,
  "xmlNamespace" : null
},
"ProductCodes" : {
  "deprecated" : false,
  "documentation" : "<p>Any product codes associated with the AMI.</p>",

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"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "productCodes",
"payload": false,
"queryName": null,
"shape": "ProductCodeList",
"streaming": false,
"xmlNamespace": null
},
"Public": {
  "deprecated": false,
  "documentation": "<p>Indicates whether the image has public launch permissions. The value is<br><code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "isPublic",
  "payload": false,
  "queryName": null,
  "shape": "Boolean",
  "streaming": false,
  "xmlNamespace": null
},
"RamdiskId": {
  "deprecated": false,
  "documentation": "<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ramdiskId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"RootDeviceName": {
  "deprecated": false,
  "documentation": "<p>The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "rootDeviceName",
  "payload": false,
"RootDeviceType": {
  "deprecated": false,
  "documentation": "The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "rootDeviceType",
  "payload": false,
  "queryName": null,
  "shape": "DeviceType",
  "streaming": false,
  "xmlNamespace": null
},

"SriovNetSupport": {
  "deprecated": false,
  "documentation": "Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "sriovNetSupport",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},

"State": {
  "deprecated": false,
  "documentation": "The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "imageState",
  "payload": false,
  "queryName": null,
  "shape": "ImageState",
  "streaming": false,
  "xmlNamespace": null
},

"StateReason": {
"deprecated" : false,
"documentation" : "<p>The reason for the state change.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "stateReason",
"payload" : false,
"queryString" : null,
"shape" : "StateReason",
"streaming" : false,
"xmlNamespace" : null
",
"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryString" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
  }
",
"VirtualizationType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of virtualization of the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "virtualizationType",
  "payload" : false,
  "queryString" : null,
  "shape" : "VirtualizationType",
  "streaming" : false,
  "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"ImageAttribute" : {
    "deprecated" : false,
    "documentation" : "<p>Describes an image attribute.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "BlockDeviceMappings" : {
            "deprecated" : false,
            "documentation" : "<p>One or more block device mapping entries.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "blockDeviceMapping",
            "payload" : false,
            "queryName" : null,
            "shape" : "BlockDeviceMappingList",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "Description" : {
            "deprecated" : false,
            "documentation" : "<p>A description for the AMI.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "description",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "ImageId" : {
            "deprecated" : false,
            "documentation" : "<p>The ID of the AMI.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "imageId",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    }
}
"streaming": false,
"xmlNamespace": null
},
"KernelId": {
  "deprecated": false,
  "documentation": "<p>The kernel ID.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "kernel",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LaunchPermissions": {
  "deprecated": false,
  "documentation": "<p>One or more launch permissions.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "launchPermission",
  "payload": false,
  "queryName": null,
  "shape": "LaunchPermissionList",
  "streaming": false,
  "xmlNamespace": null
},
"ProductCodes": {
  "deprecated": false,
  "documentation": "<p>One or more product codes.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "productCodes",
  "payload": false,
  "queryName": null,
  "shape": "ProductCodeList",
  "streaming": false,
  "xmlNamespace": null
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"RamdiskId": {
  "deprecated": false,
  "documentation": "<p>The RAM disk ID.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName": "ramdisk",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SriovNetSupport": {
"deprecated": false,
"documentation": "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sriovNetSupport",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ImageAttributeName": {
"deprecated": false,
"documentation": null,
"enum": ["description", "kernel", "ramdisk", "launchPermission", "productCodes", "blockDeviceMapping", "sriovNetSupport"],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [{}],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ImageDiskContainer" : {
"deprecated" : false,
"documentation" : "Describes the disk container object for an import image task.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Description" : {
"deprecated" : false,
"documentation" : "The description of the disk image.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeviceName" : {
"deprecated" : false,
"documentation" : "The block device mapping for the disk.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {
"deprecated" : false,
"documentation" : "The format of the disk image being imported.
Valid values: RAW, VHD, VMDK, OVA",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SnapshotId": {
"deprecated": false,
"documentation": "<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Url": {
"deprecated": false,
"documentation": "<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"UserBucket": {
"deprecated": false,
"documentation": "<p>The S3 bucket for the disk image.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "UserBucket",
"streaming": false,
"xmlNamespace": null
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ImportImageRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Architecture" : {
"deprecated" : false,
"documentation" : "<p>The architecture of the virtual machine.</p> Valid values: <code>i386</code> | <code>x86_64</code> |
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ClientData" : {
"deprecated" : false,
"documentation" : "<p>The client-specific data.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "ClientData",
"streaming" : false,
"xmlNamespace" : null
},
"ClientToken" : {
"pattern" : null,
"deprecated": false,
"documentation": "<p>The token to enable idempotency for VM import requests.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Description": {
"deprecated": false,
"documentation": "<p>A description string for the import image task.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"DiskContainers": {
"deprecated": false,
"documentation": "<p>Information about the disk containers.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "DiskContainer",
"payload": false,
"queryName": null,
"shape": "ImageDiskContainerList",
"streaming": false,
"xmlNamespace": null
},
"Hypervisor": {
"deprecated": false,
"documentation": "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"streaming": false,
"xmlNamespace": null
},
"LicenseType": {
  "deprecated": false,
  "documentation": "The license type to be used for the Amazon Machine Image (AMI) after importing. <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.
<p>Valid values: <code>AWS</code> | <code>BYOL</code> ",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "The operating system of the virtual machine. Valid values: <code>Windows</code> | <code>Linux</code> ",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"RoleName": {
  "deprecated": false,
  "documentation": "The name of the role to use when not using the default role, 'vmimport'.
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
"ImportImageResult" : {  
  "deprecated" : false,  
  "documentation" : "<p>Contains the output for ImportImage.</p>" ,  
  "enum" : null,  
  "error" : null,  
  "exception" : false,  
  "fault" : false,  
  "flattened" : false,  
  "key" : null,  
  "max" : 0,  
  "member" : null,  
  "members" : [  
    "Architecture" : {  
      "deprecated" : false,  
      "documentation" : "<p>The architecture of the virtual machine.</p>" ,  
      "flattened" : false,  
      "idempotencyToken" : false,  
      "location" : null,  
      "locationName" : "architecture",  
      "payload" : false,  
      "queryName" : null,  
      "shape" : "String",  
      "streaming" : false,  
      "xmlNamespace" : null  
    },  
    "Description" : {  
      "deprecated" : false,  
      "documentation" : "<p>A description of the import task.</p>" ,  
      "flattened" : false,  
      "idempotencyToken" : false,  
      "location" : null,  
      "locationName" : "description",  
      "payload" : false,  
      "queryName" : null,  
      "shape" : "String",  
      "streaming" : false,  
      "xmlNamespace" : null  
    }  
  ],  
  "Hypervisor" : {  
    "deprecated" : false,  
    "documentation" : null,  
    "flattened" : false,  
    "idempotencyToken" : false,  
    "location" : null,  
    "locationName" : null,  
    "payload" : null,  
    "queryName" : null,  
    "shape" : null,  
    "streaming" : false,  
    "xmlNamespace" : null  
  }  
}
"deprecated" : false,
"documentation" : "<p>The target hypervisor of the import task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hypervisor",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ImageId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "imageId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ImportTaskId" : {
"deprecated" : false,
"documentation" : "<p>The task ID of the import image task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "importTaskId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"LicenseType" : {
"deprecated" : false,
"documentation" : "<p>The license type of the virtual machine.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "licenseType",
"payload" : false,
"queryName" : null,
"shape" : "String"
"streaming": false,
"xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "<p>The operating system of the virtual machine.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "platform",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Progress": {
  "deprecated": false,
  "documentation": "<p>The progress of the task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "progress",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"SnapshotDetails": {
  "deprecated": false,
  "documentation": "<p>Information about the snapshots.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "snapshotDetailSet",
  "payload": false,
  "queryName": null,
  "shape": "SnapshotDetailList",
  "streaming": false,
  "xmlNamespace": null
},
"Status": {
  "deprecated": false,
  "documentation": "<p>A brief status of the task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "A detailed status message of the import task.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"ImportImageTask" : {
"deprecated" : false,
"documentation" : "Describes an import image task.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Architecture" : {
"deprecated" : false,
"documentation" : "The architecture of the virtual machine.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "architecture",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description of the import task.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Hypervisor" : {
"deprecated" : false,
"documentation" : "The target hypervisor for the import task. 
<p>Valid values: <code>xen</code> 
</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hypervisor",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ImageId" : {
"deprecated" : false,
"documentation" : "The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
<p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "imageId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}.
"ImportTaskId" : {
  "deprecated" : false,
  "documentation" : "The ID of the import image task.\</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "importTaskId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"LicenseType" : {
  "deprecated" : false,
  "documentation" : "The license type of the virtual machine.\</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "licenseType",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Platform" : {
  "deprecated" : false,
  "documentation" : "The description string for the import image task.\</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "platform",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Progress" : {
  "deprecated" : false,
  "documentation" : "The percentage of progress of the import image task.\</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "progress",
  "payload" : false,
  "queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotDetails" : {
"deprecated" : false,
"documentation" : "<p>Information about the snapshots.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "snapshotDetailSet",
"payload" : false,
"queryName" : null,
"shape" : "SnapshotDetailList",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>A brief status for the import image task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "<p>A descriptive status message for the import image task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportImageTaskList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "ImportImageTask",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"ImportInstanceLaunchSpecification" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the launch specification for VM import.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
"member": null,
"members": {
  "AdditionalInfo": {
    "deprecated": false,
    "documentation": "<p>Reserved.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "additionalInfo",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Architecture": {
    "deprecated": false,
    "documentation": "<p>The architecture of the instance.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "architecture",
    "payload": false,
    "queryName": null,
    "shape": "ArchitectureValues",
    "streaming": false,
    "xmlNamespace": null
  },
  "GroupIds": {
    "deprecated": false,
    "documentation": "<p>One or more security group IDs.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "GroupId",
    "payload": false,
    "queryName": null,
    "shape": "SecurityGroupIdStringList",
    "streaming": false,
    "xmlNamespace": null
  },
  "GroupNames": {
    "deprecated": false,
    "documentation": "<p>One or more security group names.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "GroupName",
    "payload": false,
    "queryName": null,
    "shape": "SecurityGroupNameStringList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"Architecture": {
  "deprecated": false,
  "documentation": "<p>The architecture of the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "architecture",
  "payload": false,
  "queryName": null,
  "shape": "ArchitectureValues",
  "streaming": false,
  "xmlNamespace": null
}
"payload": false,
"queryName": null,
"shape": "SecurityGroupStringList",
"streaming": false,
"xmlNamespace": null
},
"InstanceInitiatedShutdownBehavior": {
"deprecated": false,
"documentation": "Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceInitiatedShutdownBehavior",
"payload": false,
"queryName": null,
"shape": "ShutdownBehavior",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "The instance type. For more information about the instance types that you can import, see \[a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types]\]Instance Types\] in the VM Import/Export User Guide.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"Monitoring": {
"deprecated": false,
"documentation": "Indicates whether monitoring is enabled.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "monitoring",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
}
"Placement" : {
    "deprecated" : false,
    "documentation" : "<p>The placement information for the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "placement",
    "payload" : false,
    "queryName" : null,
    "shape" : "Placement",
    "streaming" : false,
    "xmlNamespace" : null
},
"PrivateIpAddress" : {
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "privateIpAddress",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"SubnetId" : {
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "subnetId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"UserData" : {
    "deprecated" : false,
    "documentation" : "<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "userData"
"payload" : false,
"queryName" : null,
"shape" : "UserData",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportInstanceRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportInstance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description for the instance being imported.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DiskImages" : {
"deprecated" : false,
"documentation" : "<p>The disk image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "diskImage"}
"payload": false,
"queryName": null,
"shape": "DiskImageList",
"streaming": false,
"xmlns": null
},
"LaunchSpecification": {
"deprecated": false,
"documentation": "<p>The launch specification.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "launchSpecification",
"payload": false,
"queryName": null,
"shape": "ImportInstanceLaunchSpecification",
"streaming": false,
"xmlns": null
},
"Platform": {
"deprecated": false,
"documentation": "<p>The instance operating system.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "platform",
"payload": false,
"queryName": null,
"shape": "PlatformValues",
"streaming": false,
"xmlns": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": ["Platform"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ImportInstanceResult": {
"deprecated": false,
"documentation": "<p>Contains the output for ImportInstance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ConversionTask" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the conversion task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "conversionTask",
    "payload" : false,
    "queryName" : null,
    "shape" : "ConversionTask",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportInstanceTaskDetails" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an import instance task.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Description" : {
      "deprecated" : false,
      "documentation" : "<p>A description of the task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "description",
    }
  }
}
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
,"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
,"Platform": {
"deprecated": false,
"documentation": "<p>The instance operating system.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "platform",
"payload": false,
"queryName": null,
"shape": "PlatformValues",
"streaming": false,
"xmlNamespace": null
}
,"Volumes": {
"deprecated": false,
"documentation": "<p>One or more volumes.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumes",
"payload": false,
"queryName": null,
"shape": "ImportInstanceVolumeDetailSet",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload" : null,
"required" : [ "Volumes" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportInstanceVolumeDetailItem" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an import volume task.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone where the resulting instance will reside.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "availabilityZone",
      "payload" : false,
      "queryName" : "availabilityZone",
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "BytesConverted" : {
      "deprecated" : false,
      "documentation" : "<p>The number of bytes converted so far.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "bytesConverted",
      "payload" : false,
      "queryName" : "bytesConverted",
      "shape" : "Long",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Description" : {
      "deprecated" : false,
      "documentation" : "<p>A description of the task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "description",
      "payload" : false,
      "queryName" : "description",
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Image" : {
"deprecated" : false,
"documentation" : "<p>The image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "image",
"payload" : false,
"queryName" : null,
"shape" : "DiskImageDescription",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The status of the import of this particular disk image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "<p>The status information or errors related to the disk image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"Volume" : {
  "deprecated" : false,
  "documentation" : "<p>The volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volume",
  "payload" : false,
  "queryName" : null,
  "shape" : "DiskImageVolumeDescription",
  "streaming" : false,
  "xmlnsNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "BytesConverted", "AvailabilityZone", "Image", "Volume", "Status" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false

"ImportInstanceVolumeDetailSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "ImportInstanceVolumeDetailItem",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "members" : [ ]
}
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"ImportKeyPairRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ImportKeyPair.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "KeyName": {
      "deprecated": false,
      "documentation": "<p>A unique name for the key pair.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "keyName",
      "payload": false,
      "queryString": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "PublicKeyMaterial": {
      "deprecated": false,
      "documentation": "<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "publicKeyMaterial",
      "payload": false,
      "queryString": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"ImportSnapshotRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ImportSnapshot.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientData" : {
      "deprecated" : false,
      "documentation" : "<p>The client-specific data.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "ClientData",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "<p>Token to enable idempotency for VM import requests.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"Description" : {  
"deprecated" : false,  
"documentation" : "<p>The description string for the import snapshot task.</p> ",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : null,  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null 
},  
"DiskContainer" : {  
"deprecated" : false,  
"documentation" : "<p>Information about the disk container.</p> ",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : null,  
"payload" : false,  
"queryName" : null,  
"shape" : "SnapshotDiskContainer",  
"streaming" : false,  
"xmlNamespace" : null 
},  
"RoleName" : {  
"deprecated" : false,  
"documentation" : "<p>The name of the role to use when not using the default role, 'vmimport'.</p> ",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : null,  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null 
} 
},  
"min" : 0,  
"pattern" : null,  
"payload" : null,  
"required" : null,  
"streaming" : false,  
"type" : "structure",  
"value" : null,  
"wrapper" : false
"ImportSnapshotResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output for ImportSnapshot.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Description" : {
      "deprecated" : false,
      "documentation" : "<p>A description of the import snapshot task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "description",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ImportTaskId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the import snapshot task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "importTaskId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "SnapshotTaskDetail" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the import snapshot task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "snapshotTaskDetail",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}

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"shape" : "SnapshotTaskDetail",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportSnapshotTask" : {
"deprecated" : false,
"documentation" : "<p>Describes an import snapshot task.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Description" : {
"deprecated" : false,
"documentation" : "A description of the import snapshot task.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ImportTaskId" : {
"deprecated" : false,
"documentation" : "The ID of the import snapshot task.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "importTaskId",
"payload" : false,
"queryName" : null,
"shape" : "SnapshotTaskDetail",
"streaming" : false,
"xmlNamespace" : null
};
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"SnapshotTaskDetail" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an import snapshot task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "snapshotTaskDetail",
  "payload" : false,
  "queryName" : null,
  "shape" : "SnapshotTaskDetail",
  "streaming" : false,
  "xmlNamespace" : null
}
},

"ImportSnapshotTaskList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "ImportSnapshotTask",
    "streaming" : false,
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"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ImportTaskIdList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ImportTaskId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ImportVolumeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportVolume.</p>"
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "AvailabilityZone" : {
        "deprecated" : false,
        "documentation" : "<p>The Availability Zone for the resulting EBS volume.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "availabilityZone",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "Description" : {
        "deprecated" : false,
        "documentation" : "<p>A description of the volume.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "description",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "Image" : {
        "deprecated" : false,
        "documentation" : "<p>The disk image.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "image",
        "payload" : false,
        "queryName" : null,
        "shape" : "DiskImageDetail",
        "streaming" : false,
        "xmlnsNamespace" : null
    }
}
"Volume" : {
    "deprecated" : false,
    "documentation" : "<p>The volume size.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "volume",
    "payload" : false,
    "queryName" : null,
    "shape" : "VolumeDetail",
    "streaming" : false,
    "xmlNamespace" : null
},

"ImportVolumeResult" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the output for ImportVolume.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "ConversionTask" : {
            "deprecated" : false,
            "documentation" : "<p>Information about the conversion task.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "conversionTask",
            "payload" : false,
            "queryName" : null,
            "shape" : "ConversionTask",
            "streaming" : false,
            "xmlNamespace" : null
        }
    }
}
"Description" : {
  "deprecated" : false,
  "documentation" : "<p>The description you provided when starting the import volume task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "description",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Image" : {
  "deprecated" : false,
  "documentation" : "<p>The image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "image",
  "payload" : false,
  "queryName" : null,
  "shape" : "DiskImageDescription",
  "streaming" : false,
  "xmlNamespace" : null
},
"Volume" : {
  "deprecated" : false,
  "documentation" : "<p>The volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volume",
  "payload" : false,
  "queryName" : null,
  "shape" : "DiskImageVolumeDescription",
  "streaming" : false,
  "xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "BytesConverted", "AvailabilityZone", "Image", "Volume" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"Instance": {
  "deprecated": false,
  "documentation": "Describes an instance."
},

"AmiLaunchIndex": {
  "deprecated": false,
  "documentation": "The AMI launch index, which can be used to find this instance in the launch group.
  
  flattened": false,
  "idempotencyToken": false,
  "location": false,
  "locationName": "amiLaunchIndex",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlnsNamespace": null
},

"Architecture": {
  "deprecated": false,
  "documentation": "The architecture of the image.
  
  flattened": false,
  "idempotencyToken": false,
  "location": false,
  "locationName": "architecture",
  "payload": false,
  "queryName": null,
  "shape": "ArchitectureValues",
  "streaming": false,
  "xmlnsNamespace": null
},

"BlockDeviceMappings": {
  "deprecated": false,
  "documentation": "Any block device mapping entries for the instance.
  
  flattened": false,
  "idempotencyToken": false,
  "location": false,
  "locationName": "blockDeviceMapping",
  "payload": false,
  "queryName": null,
  "shape": "BlockDeviceMapping",
  "streaming": false,
  "xmlnsNamespace": null
}
"queryName": null,
"shape": "InstanceBlockDeviceMappingList",
"streaming": false,
"xmlNamespace": null
},
"ClientToken": {
"deprecated": false,
"documentation": "The idempotency token you provided when you launched the instance, if applicable.
"<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "clientToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"EbsOptimized": {
"deprecated": false,
"documentation": "Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
"<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ebsOptimized",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"EnaSupport": {
"deprecated": false,
"documentation": "Specifies whether enhanced networking with ENA is enabled.
"<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "enaSupport",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
}"}
"Hypervisor" : {
  "deprecated" : false,
  "documentation" : "<p>The hypervisor type of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hypervisor",
  "payload" : false,
  "queryName" : null,
  "shape" : "HypervisorType",
  "streaming" : false,
  "xmlNamespace" : null
},
"IamInstanceProfile" : {
  "deprecated" : false,
  "documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "iamInstanceProfile",
  "payload" : false,
  "queryName" : null,
  "shape" : "IamInstanceProfile",
  "streaming" : false,
  "xmlNamespace" : null
},
"ImageId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI used to launch the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,}
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
,"InstanceLifecycle": {
"deprecated": false,
"documentation": "Indicates whether this is a Spot instance or a Scheduled Instance.
",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceLifecycle",
"payload": false,
"queryName": null,
"shape": "InstanceLifecycleType",
"streaming": false,
"xmlNamespace": null
}
,"InstanceType": {
"deprecated": false,
"documentation": "The instance type.
",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
}
,"KernelId": {
"deprecated": false,
"documentation": "The kernel associated with this instance, if applicable.
",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "kernelId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
,"KeyName": {
"deprecated": false,
"documentation": "The name of the key pair, if this instance was launched with an associated key
pair.
",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "keyName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}

"LaunchTime" : {
  "deprecated" : false,
  "documentation" : "<p>The time the instance was launched.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "launchTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlnsNamespace" : null
}

"Monitoring" : {
  "deprecated" : false,
  "documentation" : "<p>The monitoring for the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "monitoring",
  "payload" : false,
  "queryName" : null,
  "shape" : "Monitoring",
  "streaming" : false,
  "xmlnsNamespace" : null
}

"NetworkInterfaces" : {
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] One or more network interfaces for the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "networkInterfaceSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceNetworkInterfaceList",
  "streaming" : false,
  "xmlnsNamespace" : null
}
"Placement" : {
  "deprecated" : false,
  "documentation" : "<p>The location where the instance launched, if applicable.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "placement",
  "payload" : false,
  "queryName" : null,
  "shape" : "Placement",
  "streaming" : false,
  "xmlNamespace" : null
},
"Platform" : {
  "deprecated" : false,
  "documentation" : "<p>The value is `<code>Windows</code>` for Windows instances; otherwise blank.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "platform",
  "payload" : false,
  "queryName" : null,
  "shape" : "PlatformValues",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateDnsName" : {
  "deprecated" : false,
  "documentation" : "<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the `<code>running</code>` state. <p>
[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateDnsName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 address assigned to the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : null,
  "streaming" : false,
  "xmlNamespace" : null
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ProductCodes" : {
  "deprecated" : false,
  "documentation" : "The product codes attached to this instance, if applicable.",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "productCodes",
  "payload" : false,
  "queryName" : null,
  "shape" : "ProductCodeList",
  "streaming" : false,
  "xmlNamespace" : null
},
"PublicDnsName" : {
  "deprecated" : false,
  "documentation" : "Public DNS name assigned to the instance. This name is not available until the instance enters the running state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "dnsName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PublicIpAddress" : {
  "deprecated" : false,
  "documentation" : "The public IPv4 address assigned to the instance, if applicable.",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipAddress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
"xmlNamespace" : null
},
"RamdiskId" : {
  "deprecated" : false,
  "documentation" : "<p>The RAM disk associated with this instance, if applicable.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ramdiskId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"RootDeviceName" : {
  "deprecated" : false,
  "documentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "rootDeviceName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"RootDeviceType" : {
  "deprecated" : false,
  "documentation" : "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "rootDeviceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "DeviceType",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecurityGroups" : {
  "deprecated" : false,
  "documentation" : "<p>One or more security groups for the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "securityGroups",
  "payload" : false,
  "queryName" : null,
  "shape" : "[SecurityGroup]",
  "streaming" : false,
  "xmlNamespace" : null
}
"SourceDestCheck" : {
  "deprecated" : false,
  "documentation" : "<p>Specifies whether to enable an instance launched in a VPC to perform NAT. This
controls whether source/destination checking is enabled on the instance. A value of \&lt;code\>true\&lt;/code\> means
checking is enabled, and \&lt;code\>false\&lt;/code\> means checking is disabled. The value must be \&lt;code\>false\&lt;/code\>
for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the Amazon Virtual Private Cloud User Guide.</p>\",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sourceDestCheck",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"SpotInstanceRequestId" : {
  "deprecated" : false,
  "documentation" : "<p>If the request is a Spot instance request, the ID of the request.</p>\",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotInstanceRequestId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SriovNetSupport" : {
  "deprecated" : false,
  "documentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface
is enabled.</p>\",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sriovNetSupport",
  "payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The current state of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceState",
"payload" : false,
"queryName" : null,
"shape" : "InstanceState",
"streaming" : false,
"xmlNamespace" : null
},
"StateReason" : {
"deprecated" : false,
"documentation" : "<p>The reason for the most recent state transition.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "stateReason",
"payload" : false,
"queryName" : null,
"shape" : "StateReason",
"streaming" : false,
"xmlNamespace" : null
},
"StateTransitionReason" : {
"deprecated" : false,
"documentation" : "<p>The reason for the most recent state transition. This might be an empty string.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reason",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VirtualizationType" : {
"deprecated" : false,
"documentation" : "<p>The virtualization type of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "virtualizationType",
"payload" : false,
"queryName" : null,
"shape" : "VirtualizationType",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"EbsOptimized" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ebsOptimized",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"EnaSupport" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether enhanced networking with ENA is enabled.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "enaSupport",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"Groups" : {
  "deprecated" : false,
  "documentation" : "<p>The security groups associated with the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "groupSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "GroupIdentifierList",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceInitiatedShutdownBehavior" : {
"deprecated" : false,
"documentation" : "Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceInitiatedShutdownBehavior",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceType" : {
"deprecated" : false,
"documentation" : "The instance type.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"KernelId" : {
"deprecated" : false,
"documentation" : "The kernel ID.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "kernel",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ProductCodes" : {
"deprecated" : false,
"documentation" : "A list of product codes.",
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "productCodes",
"payload": false,
"queryName": null,
"shape": "ProductCodeList",
"streaming": false,
"xmlNamespace": null
},
"RamdiskId": {
"deprecated": false,
"documentation": "The RAM disk ID.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ramdisk",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"RootDeviceName": {
"deprecated": false,
"documentation": "The name of the root device (for example, /dev/sda1 or /dev/xvda).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "rootDeviceName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SourceDestCheck": {
"deprecated": false,
"documentation": "Indicates whether source/destination checking is enabled. A value of true means checking is enabled, and false means checking is disabled. This value must be false for a NAT instance to perform NAT.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sourceDestCheck",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"SriovNetSupport": {
"deprecated": false,
"documentation": "Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled."
},
"UserData": {
"deprecated": false,
"documentation": "The user data."
},
"InstanceAttributeName": {
"deprecated": false,
"documentation": null,
"enum": ["instanceType", "kernel", "ramdisk", "userData", "disableApiTermination",
"instanceInitiatedShutdownBehavior", "rootDeviceName", "blockDeviceMapping", "productCodes",
"sourceDestCheck", "groupSet", "ebsOptimized", "sriovNetSupport", "enaSupport" ]
}
"error": null}
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"InstanceBlockDeviceMapping" : {
"deprecated" : false,
"documentation" : "<p>Describes a block device mapping.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ {
"DeviceName" : {
"deprecated" : false,
"documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deviceName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Ebs" : {
"deprecated" : false,
"documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ebs",
"payload" : false,
"queryName" : null,
"shape" : "EbsInstanceBlockDevice",
"streaming" : false,
"xmlNamespace" : null
}
,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,
"InstanceBlockDeviceMappingList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "InstanceBlockDeviceMapping",
"streaming" : false,
"xmlNamespace" : null
}
,
"members" : { },
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list"
"InstanceBlockDeviceMappingSpecification": {
  "deprecated": false,
  "documentation": "Describes a block device mapping entry.\n  \n  The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n  \n  Parameters used to automatically set up EBS volumes when the instance is launched.\n  \n  suppress the specified device included in the block device mapping.\n  \n  idempotencyToken": false,
  "location": null,
  "locationName": "deviceName",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Ebs": {
  "deprecated": false,
  "documentation": "Parameters used to automatically set up EBS volumes when the instance is launched.\n  \n  idempotencyToken": false,
  "location": null,
  "locationName": "ebs",
  "payload": false,
  "queryName": null,
  "shape": "EbsInstanceBlockDeviceSpecification",
  "streaming": false,
  "xmlNamespace": null
},
"NoDevice": {
  "deprecated": false,
  "documentation": "suppress the specified device included in the block device mapping.\n  \n  idempotencyToken": false,
"location" : null,
"locationName" : "noDevice",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VirtualName" : {
"deprecated" : false,
"documentation" : "The virtual device name.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "virtualName",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"InstanceBlockDeviceMappingSpecificationList" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
}
"payload" : false,
"queryName" : null,
"shape" : "InstanceBlockDeviceMappingSpecification",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceCapacity" : {
"deprecated" : false,
"documentation" : "Information about the instance type that the Dedicated Host supports.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AvailableCapacity" : {
"deprecated" : false,
"documentation" : "The number of instances that can still be launched onto the Dedicated Host.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availableCapacity",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceType" : {
"deprecated" : false,
"documentation" : "The instance type size supported by the Dedicated Host.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"TotalCapacity" : {
  "deprecated" : false,
  "documentation" : "<p>The total number of instances that can be launched onto the Dedicated Host.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "totalCapacity",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
},

"InstanceCount" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a Reserved Instance listing state.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceCount" : {
      "deprecated" : false,
      "documentation" : "<p>The number of listed Reserved Instances in the state specified by the <code>state</code> parameter.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
    }
  }
}
"locationName" : "instanceCount",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The states of the listed Reserved Instances.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryName" : null,
  "shape" : "ListingState",
  "streaming" : false,
  "xmlNamespace" : null
}
},

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"InstanceCountList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
"queryName" : null,
"shape" : "InstanceCount",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceExportDetails" : {
"deprecated" : false,
"documentation" : "Describes an instance to export.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceId" : {
"deprecated" : false,
"documentation" : "The ID of the resource being exported.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "InstanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"TargetEnvironment" : {
"deprecated" : false,
"documentation" : "The target virtualization environment.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "targetEnvironment",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "$item$,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"InstanceIdStringList": { 
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": { 
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "InstanceId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "members": { },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
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"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceIpv6Address",
  "streaming" : false,
  "xmlNamespace" : null
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"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceLifecycleType" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "spot", "scheduled" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"InstanceList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
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"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "Instance",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceMonitoring" : {
"deprecated" : false,
"documentation" : "Describes the monitoring of an instance.
<p>Describes the monitoring of an instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceId" : {
"deprecated" : false,
"documentation" : "$<p>The ID of the instance.</p>$",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "Instance",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Monitoring" : {
"deprecated" : false,
"documentation" : "<p>The monitoring for the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "monitoring",
"payload" : false,
"queryName" : null,
"shape" : "Monitoring",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"InstanceMonitoringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "InstanceMonitoring",
"streaming": false,
"xmlNamespace": null
],
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"InstanceNetworkInterface": {
"deprecated": false,
"documentation": "Describes a network interface.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Association": {
"deprecated": false,
"documentation": "The association information for an Elastic IPv4 associated with the network interface.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "association",
"payload": false,
"queryName": null,
"shape": "InstanceNetworkInterfaceAssociation",
"streaming": false,
"xmlNamespace": null
},
"Attachment": {
"deprecated": false,
"documentation": "The network interface attachment.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attachment",
"payload": false,
"queryName": null,
"shape": "InstanceNetworkInterfaceAttachment",
"streaming": false,
"xmlnsNamespace": null
},
"Description": {
"deprecated": false,
"documentation": "<p>The description.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"Groups": {
"deprecated": false,
"documentation": "<p>One or more security groups.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupSet",
"payload": false,
"queryName": null,
"shape": "GroupIdentifierList",
"streaming": false,
"xmlnsNamespace": null
},
"Ipv6Addresses": {
"deprecated": false,
"documentation": "<p>One or more IPv6 addresses associated with the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6AddressesSet",
"payload": false,
"queryName": null,
"shape": "InstanceIpv6AddressList",
"streaming": false,
"xmlnsNamespace": null
},
"MacAddress": {
"deprecated" : false,
"documentation" : "<p>The MAC address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "macAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"OwnerId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the AWS account that created the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ownerId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateDnsName" : {
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateDnsName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"streaming": false,
"xmlNamespace": null
},
"PrivateIpAddress": {
"deprecated": false,
"documentation": "<p>The IPv4 address of the network interface within the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "privateIpAddress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PrivateIpAddresses": {
"deprecated": false,
"documentation": "<p>One or more private IPv4 addresses associated with the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "privateIpAddressesSet",
"payload": false,
"queryName": null,
"shape": "InstancePrivateIpAddressList",
"streaming": false,
"xmlNamespace": null
},
"SourceDestCheck": {
"deprecated": false,
"documentation": "<p>Indicates whether to validate network traffic to or from this network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sourceDestCheck",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>The status of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "NetworkInterfaceStatus",
"streaming": false,
"xmlNamespace": null
},
"SubnetId": {
  "deprecated": false,
  "documentation": "<p>The ID of the subnet.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "subnetId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"VpcId": {
  "deprecated": false,
  "documentation": "<p>The ID of the VPC.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "vpcId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"InstanceNetworkInterfaceAssociation": {
  "deprecated": false,
  "documentation": "<p>Describes association information for an Elastic IP address (IPv4).</p>",
  "enum": null,
  "error": null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "IpOwnerId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the owner of the Elastic IP address.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ipOwnerId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "PublicDnsName" : {
    "deprecated" : false,
    "documentation" : "<p>The public DNS name.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "publicDnsName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "PublicIp" : {
    "deprecated" : false,
    "documentation" : "<p>The public IP address or Elastic IP address bound to the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "publicIp",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"InstanceNetworkInterfaceAttachment" : {
"deprecated" : false,
"documentation" : "<p>Describes a network interface attachment.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AttachTime" : {
"deprecated" : false,
"documentation" : "<p>The time stamp when the attachment initiated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"AttachmentId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network interface attachment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachmentId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeleteOnTermination" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deleteOnTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"DeviceIndex" : {
"deprecated" : false,
"documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deviceIndex",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The attachment state.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "AttachmentStatus",
"streaming" : false,
"xmlNamespace" : null
}]},
"InstanceNetworkInterfaceList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "InstanceNetworkInterface",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"InstanceNetworkInterfaceSpecification" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a network interface.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AssociatePublicIpAddress" : {
      "deprecated" : false,
      "documentation" : "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC.

"
The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new
network interface, not an existing one. You cannot specify more than one network interface in the request. If
launching into a default subnet, the default value is <code>true</code>.<p>

If set to <code>true</code>, the interface is deleted when the instance is terminated.
You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>

The description of the network interface. Applies only if creating a network interface when launching an instance.</p>

The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
"locationName": "deviceIndex",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
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"Groups": {
"deprecated": false,
"documentation": "The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\n",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "SecurityGroupId",
"payload": false,
"queryName": null,
"shape": "SecurityGroupIdStringList",
"streaming": false,
"xmlNamespace": null
},
"Ipv6AddressCount": {
"deprecated": false,
"documentation": "A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.\n",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6AddressCount",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"Ipv6Addresses": {
"deprecated": false,
"documentation": "One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.\n",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6AddressesSet",
"payload": false,
"queryName": "Ipv6Addresses",}
"shape" : "InstanceIpv6AddressList",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "networkInterfaceId",
  "payload" : false,
  "queryName" : "networkInterfaceId",
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryName" : "privateIpAddress",
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddresses" : {
  "deprecated" : false,
  "documentation" : "One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddressesSet",
  "payload" : false,
  "queryName" : "PrivateIpAddresses",
  "shape" : "PrivateIpAddressSpecificationList",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecondaryPrivateIpAddressCount" : {
"deprecated" : false,
"documentation" : "The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "secondaryPrivateIpAddressCount",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"InstanceNetworkInterfaceSpecificationList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"Primary" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network
interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "primary",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateDnsName" : {
"deprecated" : false,
"documentation" : "<p>The private IPv4 DNS name.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateDnsName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddress" : {
"deprecated" : false,
"documentation" : "<p>The private IPv4 address of the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,

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"wrapper": false
},
"InstanceState": {
"deprecated": false,
"documentation": "Describes the current state of an instance.\n\n<p>\n\n\n\n"\n,"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "InstancePrivateIpAddress",
"streaming": false,
"xmlNamespace": null
},
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
}
}
The low byte represents the state. The high byte is an opaque internal value and should be ignored.

- **0**: `pending`
- **16**: `running`
- **32**: `shutting-down`
- **48**: `terminated`
- **64**: `stopping`
- **80**: `stopped`
"max": 0,
"member": null,
"members": {
"CurrentState": {
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  "documentation": "<p>The current state of the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "currentState",
  "payload": false,
  "queryName": null,
  "shape": "InstanceState",
  "streaming": false,
  "xmlNamespace": null
},
"InstanceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instanceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
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"PreviousState": {
  "deprecated": false,
  "documentation": "<p>The previous state of the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "previousState",
  "payload": false,
  "queryName": null,
  "shape": "InstanceState",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"InstanceStateChangeList" : [ 
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : [ 
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStateChange",
"streaming" : false,
"xmlNamespace" : null
],
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceStateName" : [ 
"deprecated" : false,
"documentation" : null,
"enum" : [ "pending", "running", "shutting-down", "terminated", "stopping", "stopped" ],
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"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"InstanceStatus": {
"deprecated": false,
"documentation": "<p>Describes the status of an instance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AvailabilityZone": {
"deprecated": false,
"documentation": "<p>The Availability Zone of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Events": {
"deprecated": false,
"documentation": "<p>Any scheduled events associated with the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "eventsSet",
"payload": false,
"queryString": null,
"shape": "InstanceStatusEventList",
"streaming": false,
"xmlNamespace": null
}
"InstanceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"InstanceState" : {
"deprecated" : false,
"documentation" : "<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an
instance be in the <code>running</code> state.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceState",
"payload" : false,
"queryName" : null,
"shape" : "InstanceState",
"streaming" : false,
"xmlnsNamespace" : null
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"InstanceStatus" : {
"deprecated" : false,
"documentation" : "<p>Reports impaired functionality that stems from issues internal to the instance, such as
impaired reachability.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceStatus",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStatusSummary",
"streaming" : false,
"xmlnsNamespace" : null
},
"SystemStatus" : {
"deprecated" : false,
"documentation" : "<p>Reports impaired functionality that stems from issues related to the systems that
support an instance, such as hardware failures and network connectivity problems.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName": "systemStatus",
"payload": false,
"queryName": null,
"shape": "InstanceStatusSummary",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"xmlNamespace": null
},
"InstanceStatusDetails": {
"deprecated": false,
"documentation": "<p>Describes the instance status.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ImpairedSince": {
    "deprecated": false,
    "documentation": "<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "ImpairedSince",
    "payload": false,
    "queryName": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlNamespace": null
  },
  "Name": {
    "deprecated": false,
    "documentation": "<p>The type of instance status.</p>",
    "flattened": false,
    "idempotencyToken": false,
"location": null,
"locationName": "name",
"payload": false,
"queryString": null,
"shape": "StatusName",
"streaming": false,
"xmlNamespace": null
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"Status": {
"deprecated": false,
"documentation": "<p>The status.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryString": null,
"shape": "StatusType",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
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"exception": false,
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"key": null,
"max": 0,
"member": {
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"idempotencyToken": false,
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"payload": false,
"queryString": null,
"shape": null,
"streaming": false,
"xmlNamespace": null
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"streaming": false,
"xmlNamespace": null
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"idempotencyToken": false,
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"shape": null,
"streaming": false,
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"streaming": false,
"xmlNamespace": null
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"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"InstanceStatusEvent": { 
"deprecated": false,
"documentation": "<p>Describes a scheduled event for an instance.</p> ",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { 
"Code": { 
"deprecated": false,
"documentation": "<p>The event code.</p> ",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "code",
"payload": false,
"queryName": null,
"shape": "EventCode",
"streaming": false,
"xmlNamespace": null
},
"Description": { 
"deprecated": false,
"documentation": "<p>A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed]</p> ",
"flattened": false,
"idempotencyToken": false,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceStatusEvent",
  "streaming" : false,
  "xmlNamespace" : null
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"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
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  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
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    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "value" : null,
    "wrapper" : false
  }
}
"shape" : "InstanceStatus",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceStatusSummary" : {
"deprecated" : false,
"documentation" : "<p>Describes the status of an instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Details" : {
"deprecated" : false,
"documentation" : "<p>The system instance health or application instance health.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "details",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStatusDetailsList",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The status.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"InternetGateway": {
  "deprecated": false,
  "documentation": "Describes an Internet gateway."
},
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Attachments": {
    "deprecated": false,
    "documentation": "Any VPCs attached to the Internet gateway."
  },
  "InternetGatewayId": {
    "deprecated": false,
    "documentation": "The ID of the Internet gateway."
  },
  "Tags": {
    "deprecated": false,
    "documentation": "Any tags assigned to the Internet gateway."
  }
},
"InternetGatewayId": {
  "deprecated": false,
  "documentation": "The ID of the Internet gateway."
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"Attachments": {
  "deprecated": false,
  "documentation": "Any VPCs attached to the Internet gateway."
},
"InternetGatewayId": {
  "deprecated": false,
  "documentation": "The ID of the Internet gateway."
},
"Tags": {
  "deprecated": false,
  "documentation": "Any tags assigned to the Internet gateway."
}
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"InternetGatewayAttachment": {
"deprecated": false,
"documentation": "Describes the attachment of a VPC to an Internet gateway or an egress-only Internet gateway.
<p>Describes the attachment of a VPC to an Internet gateway or an egress-only Internet gateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": false,
"max": 0,
"member": null,
"members": {
"State": {
"deprecated": false,
"documentation": "The current state of the attachment.
<p>The current state of the attachment.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "state",
"payload": false,
"queryName": null,
"shape": "AttachmentStatus",
"streaming": false,
"xmlNamespace": null
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"VpcId": {
"deprecated": false,
"documentation": "The ID of the VPC.
<p>The ID of the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "VpcId",
"streaming": false,
"xmlNamespace": null
}
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "InternetGatewayAttachment",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
}
"InternetGatewayList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "InternetGateway",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"IpPermission" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a security group rule.</p>"
}
number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.

```json
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "fromPort",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}
"IpProtocol": {
  "deprecated": false,
  "documentation": "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). 

[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code> allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. 

```
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipProtocol",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"Ipv4Ranges": {
  "deprecated": false,
  "documentation": "One or more IPv4 ranges.

```
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipRanges",
"payload": false,
"queryName": null,
"shape": "IpRangeList",
"streaming": false,
"xmlNamespace": null
}
"Ipv6Ranges": {
  "deprecated": false,
  "documentation": "[EC2-VPC only] One or more IPv6 ranges.

```
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6Ranges",
"payload" : false,
"queryName" : null,
"shape" : "Ipv6RangeList",
"streaming" : false,
"xmlNamespace" : null
},
"PrefixListIds" : {
  "deprecated" : false,
  "documentation" : "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
  <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
  AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
  through a VPC endpoint from instances associated with the security group.</p>"
},
"ToPort" : {
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A
  value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>"
},
"UserIdGroupPairs" : {
  "deprecated" : false,
  "documentation" : "<p>One or more security group and AWS account ID pairs.</p>"
"shape": "UserIdGroupPairList",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"IpPermissionList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "IpPermission",
"streaming": false,
"xmlNamespace": null
},
"members": [  ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"IpRange": {
"deprecated" : false,
"documentation" : "<p>Describes an IPv4 range.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "CidrIp" : { 
    "deprecated" : false,
    "documentation" : "<p>The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "cidrIp",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"IpRangeList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : { 
    "deprecated" : false,
    "documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "IpRange",
"streaming" : false,
"xmlnsNamespace" : null
}

"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}

"IpRanges" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}

"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryString" : null,
  "shape" : "Ipv6CidrBlock",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"Ipv6Range" : {
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC only] Describes an IPv6 range.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CidrIpv6" : {
      "deprecated" : false,
      "documentation" : "The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix."",
      "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "cidrIpv6",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"Ipv6RangeList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "Ipv6Range",
"streaming": false,
"xmlNamespace": null
}
},
"members": [ },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"KeyNameStringList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "KeyName",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "members": [{}],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
},
"KeyPair": {
  "deprecated": false,
  "documentation": "<p>Describes a key pair.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
"members": {
  "KeyFingerprint": {
    "deprecated": false,
    "documentation": "<p>The SHA-1 digest of the DER encoded private key.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "keyFingerprint",
    "payload": false,
    "queryString": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "KeyMaterial": {
    "deprecated": false,
    "documentation": "<p>An unencrypted PEM encoded RSA private key.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "keyMaterial",
    "payload": false,
    "queryString": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "KeyName": {
    "deprecated": false,
    "documentation": "<p>The name of the key pair.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "keyName",
    "payload": false,
    "queryString": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper" : false,
},
"KeyPairInfo" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a key pair.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "KeyFingerprint" : {
      "deprecated" : false,
      "documentation" : "If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "keyFingerprint",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    },
    "KeyName" : {
      "deprecated" : false,
      "documentation" : "<p>The name of the key pair.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "keyName",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"KeyPairList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "KeyPairInfo",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"LaunchPermission" : {
  "deprecated" : false,
  "documentation" : "Describes a launch permission."",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
"members" : {
  "Group" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "group",
    "payload" : false,
    "queryName" : null,
    "shape" : "PermissionGroup",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "UserId" : {
    "deprecated" : false,
    "documentation" : "<p>The AWS account ID.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "userId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"LaunchPermissionList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {

"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "LaunchPermission",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"LaunchPermissionModifications" : {
"deprecated" : false,
"documentation" : "<p>Describes a launch permission modification.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Add" : {
"deprecated" : false,
"documentation" : "<p>The AWS account ID to add to the list of launch permissions for the AML.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "LaunchPermissionList",
"streaming" : false,
"xmlNamespace" : null
},
"Remove" : {
"deprecated" : false,
"documentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AML.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "LaunchPermissionList",
"streaming" : false,
"xmlNamespace" : null
}
"deprecated": false,
"documentation": "<p>The AWS account ID to remove from the list of launch permissions for the
AMI.<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "LaunchPermissionList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"LaunchSpecification": {
"deprecated": false,
"documentation": "<p>Describes the launch specification for an instance.<p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AddressingType": {
"deprecated": false,
"documentation": "<p>Deprecated.<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "addressingType",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"AllSecurityGroups" : {
  "deprecated" : false,
  "documentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."
},

"BlockDeviceMappings" : {
  "deprecated" : false,
  "documentation" : "One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted."
},

"EbsOptimized" : {
  "deprecated" : false,
  "documentation" : "Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
"
"documentation": "<p>The IAM instance profile.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "iamInstanceProfile",
"payload": false,
"queryString": null,
"shape": "IamInstanceProfileSpecification",
"streaming": false,
"xmlNamespace": null
},
"ImageId": {
"deprecated": false,
"documentation": "<p>The ID of the AMI.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "imageId",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryString": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"KernelId": {
"deprecated": false,
"documentation": "<p>The ID of the kernel.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "kernelId",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace" : null
},
"KeyName" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "keyName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"MonitoringEnabled" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "monitoring",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"NetworkInterfaces" : {
  "deprecated" : false,
  "documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "networkInterfaceSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceNetworkInterfaceSpecificationList",
  "streaming" : false,
  "xmlNamespace" : null
},
"Placement" : {
  "deprecated" : false,
  "documentation" : "<p>The placement information for the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName": "placement",
"payload": false,
"queryString": null,
"shape": "SpotPlacement",
"streaming": false,
"xmlNamespace": null
},
"RamdiskId": {
  "deprecated": false,
  "documentation": "<p>The ID of the RAM disk.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ramdiskId",
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"SecurityGroups": {
  "deprecated": false,
  "documentation": "<p>One or more security group names.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "securityGroup",
  "payload": false,
  "queryString": null,
  "shape": "GroupNameStringList",
  "streaming": false,
  "xmlNamespace": null
},
"SubnetId": {
  "deprecated": false,
  "documentation": "<p>The ID of the subnet in which to launch the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "subnetId",
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"UserData": {
  "deprecated": false,
The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\"
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ListingState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "available", "sold", "cancelled", "pending" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ListingStatus" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "active", "pending", "cancelled", "closed" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 255,
  "member" : null,
  "members" : [ ],
  "min" : 5,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "integer",
  "value" : null,
  "wrapper" : false
},
"ModifyHostsRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 255,
  "member" : null,
  "members" : [ ],
  "min" : 5,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "integer",
  "value" : null,
  "wrapper" : false
},
"ModifyHostsRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for ModifyHosts."}
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AutoPlacement": {
    "deprecated": false,
    "documentation": "<p>Specify whether to enable or disable auto-placement.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "autoPlacement",
    "payload": false,
    "queryName": null,
    "shape": "AutoPlacement",
    "streaming": false,
    "xmlNamespace": null
  },
  "HostIds": {
    "deprecated": false,
    "documentation": "<p>The host IDs of the Dedicated Hosts you want to modify.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "hostId",
    "payload": false,
    "queryName": null,
    "shape": "RequestHostIdList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["HostIds", "AutoPlacement"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ModifyHostsResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of ModifyHosts.</p>",
  "enum": null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Successful" : {
    "deprecated" : false,
    "documentation" : "The IDs of the Dedicated Hosts that were successfully modified."
  },
  "Unsuccessful" : {
    "deprecated" : false,
    "documentation" : "The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used."
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyIdFormatRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters of ModifyIdFormat."
}
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Resource" : {
"deprecated" : false,
"documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"UseLongIds" : {
"deprecated" : false,
"documentation" : "<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
}
,"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Resource", "UseLongIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyIdentityIdFormatRequest" : {
"deprecated" : false,
Contains the parameters of ModifyIdentityIdFormat.

**PrincipalArn**
- **documentation**: The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify `all` to modify the ID format for all IAM users, IAM roles, and the root user of the account.

**Resource**
- **documentation**: The type of resource: `instance` | `reservation` | `snapshot` | `volume`

**UseLongIds**
- **documentation**: Indicates whether the resource should use longer IDs (17-character IDs)
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["Resource", "UseLongIds", "PrincipalArn"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ModifyImageAttributeRequest": {
"deprecated": false,
"documentation": "Contains the parameters for ModifyImageAttribute.<p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Attribute": {
"deprecated": false,
"documentation": "The name of the attribute to modify.<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Description": {
"deprecated": false,
"documentation": "A description for the AMI.<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,}
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ImageId": {
"deprecated": false,
"documentation": "<p>The ID of the AMI.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"LaunchPermission": {
"deprecated": false,
"documentation": "<p>A launch permission modification.</p>",
"flattened": false,
"idempotencyToken": false,
"location": false,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "LaunchPermissionModifications",
"streaming": false,
"xmlNamespace": null
},
"OperationType": {
"deprecated": false,
"documentation": "<p>The operation type.</p>",
"flattened": false,
"idempotencyToken": false,
"location": false,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "OperationType",
"streaming": false,
"xmlNamespace": null
},
"ProductCodes": {
"deprecated": false,
"documentation": "<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.</p>",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ProductCode",
"payload" : false,
"queryName" : null,
"shape" : "ProductCodeStringList",
"streaming" : false,
"xmlNamespace" : null
},
"UserGroups" : {
"deprecated" : false,
"documentation" : "One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "UserGroup",
"payload" : false,
"queryName" : null,
"shape" : "UserGroupStringList",
"streaming" : false,
"xmlNamespace" : null
},
"UserIds" : {
"deprecated" : false,
"documentation" : "One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "UserId",
"payload" : false,
"queryName" : null,
"shape" : "UserIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Value" : {
"deprecated" : false,
"documentation" : "The value of the attribute being modified. This is only valid when modifying the
<code>description</code> attribute."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",}
"streaming": false,
"xmlnsNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "ImageId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ModifyInstanceAttributeRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for ModifyInstanceAttribute.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Attribute": {
"deprecated": false,
"documentation": "<p>The name of the attribute.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attribute",
"payload": false,
"queryName": null,
"shape": "InstanceAttributeName",
"streaming": false,
"xmlnsNamespace": null
},
"BlockDeviceMappings": {
"deprecated": false,
"documentation": "<p>Modifies the &lt;code&gt;DeleteOnTermination&lt;/code&gt; attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for &lt;code&gt;DeleteOnTermination&lt;/code&gt;, the default is &lt;code&gt;true&lt;/code&gt; and the volume is deleted when the instance is terminated.&lt;/p&gt; &lt;p&gt;To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "blockDeviceMapping",
"payload": false,
"queryString": null,
"shape": "InstanceBlockDeviceMappingSpecificationList",
"streaming": false,
"xmlNamespace": null
},
"DisableApiTermination": {
  "deprecated": false,
  "documentation": "<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "disableApiTermination",
  "payload": false,
  "queryString": null,
  "shape": "Boolean",
  "streaming": false,
  "xmlNamespace": null
},
"EbsOptimized": {
  "deprecated": false,
  "documentation": "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ebsOptimized",
  "payload": false,
  "queryString": null,
  "shape": "Boolean",
  "streaming": false,
  "xmlNamespace": null
},
"EnaSupport": {
  "deprecated": false,
  "documentation": "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName" : "enaSupport",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
,"Groups" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "GroupId",
"payload" : false,
"queryName" : null,
"shape" : "GroupIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
,"InstanceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,"InstanceInitiatedShutdownBehavior" : {
"deprecated" : false,
"documentation" : "<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceInitiatedShutdownBehavior",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}


"InstanceType" : {
  "deprecated" : false,
  "documentation" : "Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"Kernel" : {
  "deprecated" : false,
  "documentation" : "Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kernel",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"Ramdisk" : {
  "deprecated" : false,
  "documentation" : "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ramdisk",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"SourceDestCheck" : {
  "deprecated" : false,
Speifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.

SriovNetSupport

Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance. There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time. This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

UserData

Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

Value

A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute.

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "value",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
```

```
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
```

```
"ModifyInstancePlacementRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyInstancePlacement.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Affinity" : {
      "deprecated" : false,
      "documentation" : "<p>The new affinity setting for the instance.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "affinity",
      "payload" : false,
      "queryName" : null,
      "shape" : "Affinity",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "HostId" : {
      "deprecated" : false,
```
"documentation": "The ID of the Dedicated Host that the instance will have affinity with."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "hostId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"InstanceId": {
"deprecated": false,
"documentation": "The ID of the instance that you are modifying."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"Tenancy": {
"deprecated": false,
"documentation": "The tenancy of the instance that you are modifying.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tenancy",
"payload": false,
"queryName": null,
"shape": "HostTenancy",
"streaming": false,
"xmlNamespace": null
}

"min": 0,
"pattern": null,
"payload": null,
"required": ["InstanceId"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"ModifyInstancePlacementResult": {'
"deprecated" : false,
"documentation" : "&lt;p&gt;Contains the output of ModifyInstancePlacement.&lt;/p&gt;",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Return" : {
        "deprecated" : false,
        "documentation" : "&lt;p&gt;Is &lt;code&gt;true&lt;/code&gt; if the request succeeds, and an error otherwise.&lt;/p&gt;",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "return",
        "payload" : false,
        "queryName" : null,
        "shape" : "Boolean",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyNetworkInterfaceAttributeRequest" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;Contains the parameters for ModifyNetworkInterfaceAttribute.&lt;/p&gt;",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Attachment" : {
            "deprecated" : false,
"documentation" : "Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachment",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterfaceAttachmentChanges",
"streaming" : false,
"xmlNamespace" : null
},
"Description" : {
"deprecated" : false,
"documentation" : "A description for the network interface.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Groups" : {
"deprecated" : false,
"documentation" : "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SecurityGroupId",
"payload" : false,
"queryName" : null,
"shape" : "SecurityGroupIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "The ID of the network interface.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"SourceDestCheck" : {
  "deprecated" : false,
  "documentation" : "Indicates whether source/destination checking is enabled. A value of true means checking is enabled, and false means checking is disabled. This value must be false for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sourceDestCheck",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
}
,"ModifyReservedInstancesRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for ModifyReservedInstances.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see "
    }
  }
}
Ensuring Idempotency</p>.

```
{  "flattened": false,
   "idempotencyToken": false,
   "location": null,
   "locationName": "clientToken",
   "payload": false,
   "queryName": null,
   "shape": "String",
   "streaming": false,
   "xmlNamespace": null
}
```

```
{  "ReservedInstancesIds": {
    "deprecated": false,
    "documentation": "The IDs of the Reserved Instances to modify."
  },
  "TargetConfigurations": {
    "deprecated": false,
    "documentation": "The configuration settings for the Reserved Instances to modify."
  }
}
```

"min": 0,
"pattern": null,
"payload": null,
"required": [ "ReservedInstancesIds", "TargetConfigurations" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"ModifyReservedInstancesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ModifyReservedInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ReservedInstancesModificationId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID for the modification.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "reservedInstancesModificationId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"ModifySnapshotAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifySnapshotAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Attribute" : 

The snapshot attribute to modify. Only volume creation permissions may be modified at the customer level.

A JSON representation of the snapshot attribute modification.

The group to modify for the snapshot.

The type of operation to perform to the attribute.
"shape" : "OperationType",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UserIds" : {
"deprecated" : false,
"documentation" : "<p>The account ID to modify for the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "UserId",
"payload" : false,
"queryName" : null,
"shape" : "UserIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SnapshotId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifySpotFleetRequestRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifySpotFleetRequest.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ExcessCapacityTerminationPolicy" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of
the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "excessCapacityTerminationPolicy",
    "payload" : false,
    "queryString" : null,
    "shape" : "ExcessCapacityTerminationPolicy",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "SpotFleetRequestId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "spotFleetRequestId",
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "TargetCapacity" : {
    "deprecated" : false,
    "documentation" : "<p>The size of the fleet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "targetCapacity",
    "payload" : false,
    "queryString" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"ModifySpotFleetRequestResponse" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of ModifySpotFleetRequest.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Return" : {
"deprecated" : false,
"documentation" : "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "return",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"ModifySubnetAttributeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifySubnetAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "AssignIpv6AddressOnCreation" : {
        "deprecated" : false,
        "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.</p> ",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "Boolean",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "MapPublicIpOnLaunch" : {
        "deprecated" : false,
        "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).</p> ",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "Boolean",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "SubnetId" : {
        "deprecated" : false,
        "documentation" : "The ID of the subnet."
    },
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "SubnetId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,
"ModifyVolumeAttributeRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AutoEnableIO": {
"deprecated": false,
"documentation": "<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"VolumeId": {
"deprecated": false,
"documentation": "<p>The ID of the volume.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"ModifyVolumeRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Iops" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"Size" : {
"deprecated" : false,
"documentation" : "<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing
size is retained. <p>"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"VolumeId": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VolumeType": {
"deprecated": false,
"documentation": "Target EBS volume type of the volume to be modified. Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code>. The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "VolumeType",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VolumeId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper" : false
},
"ModifyVolumeResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VolumeModification" : {
"deprecated" : false,
"documentation" : "A <a>VolumeModification</a> object.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeModification",
"payload" : false,
"queryName" : null,
"shape" : "VolumeModification",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyVpcAttributeRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for ModifyVpcAttribute.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members": {
    "EnableDnsHostnames": {
        "deprecated": false,
        "documentation": "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
        <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": null,
        "payload": false,
        "queryString": null,
        "shape": "Boolean",
        "streaming": false,
        "xmlNamespace": null
    },
    "EnableDnsSupport": {
        "deprecated": false,
        "documentation": "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p>
        <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "vpcId",
        "payload": false,
        "queryString": null,
        "shape": "Boolean",
        "streaming": false,
        "xmlNamespace": null
    },
    "VpcId": {
        "deprecated": false,
        "documentation": "<p>The ID of the VPC.</p>",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "vpcId",
        "payload": false,
        "queryString": null,
        "shape": "String",
        "streaming": false,
        "xmlNamespace": null
    }
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyVpcEndpointRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVpcEndpoint.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AddRouteTableIds" : {
  "deprecated" : false,
  "documentation" : "<p>One or more route tables IDs to associate with the endpoint.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "AddRouteTableId",
  "payload" : false,
  "queryString" : null,
  "shape" : "ValueStringList",
  "streaming" : false,
  "xmlNamespace" : null
  },
  "PolicyDocument" : {
  "deprecated" : false,
  "documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
  }
}
"RemoveRouteTableIds" : {
  "deprecated" : false,
  "documentation" : "<p>One or more route table IDs to disassociate from the endpoint.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "RemoveRouteTableId",
  "payload" : false,
  "queryName" : null,
  "shape" : "ValueStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"ResetPolicy" : {
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcEndpointId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the endpoint.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"wrapper": false
},
"ModifyVpcEndpointResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of ModifyVpcEndpoint.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Return": {
      "deprecated": false,
      "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "return",
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"ModifyVpcPeeringConnectionOptionsRequest": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"member": null,
"members": {
"AccepterPeeringConnectionOptions": {
  "deprecated": false,
  "documentation": "The VPC peering connection options for the accepter VPC.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "PeeringConnectionOptionsRequest",
  "streaming": false,
  "xmlNamespace": null
},
"RequesterPeeringConnectionOptions": {
  "deprecated": false,
  "documentation": "The VPC peering connection options for the requester VPC.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "PeeringConnectionOptionsRequest",
  "streaming": false,
  "xmlNamespace": null
},
"VpcPeeringConnectionId": {
  "deprecated": false,
  "documentation": "The ID of the VPC peering connection.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpcPeeringConnectionId" ],
"streaming": false,
"type": "structure"
"value": null,
"wrapper": false
},

"ModifyVpcPeeringConnectionOptionsResult": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AccepterPeeringConnectionOptions": {
      "deprecated": false,
      "documentation": "<p>Information about the VPC peering connection options for the accepter VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "accepterPeeringConnectionOptions",
      "payload": false,
      "queryName": null,
      "shape": "PeeringConnectionOptions",
      "streaming": false,
      "xmlNamespace": null
    },
    "RequesterPeeringConnectionOptions": {
      "deprecated": false,
      "documentation": "<p>Information about the VPC peering connection options for the requester VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "requesterPeeringConnectionOptions",
      "payload": false,
      "queryName": null,
      "shape": "PeeringConnectionOptions",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure"
"value": null,
"wrapper": false
},
"MonitorInstancesRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for MonitorInstances.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "InstanceIds": {
      "deprecated": false,
      "documentation": "<p>One or more instance IDs.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "InstanceId",
      "payload": false,
      "queryName": null,
      "shape": "InstanceIdStringList",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": ["InstanceIds"],
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},
"MonitorInstancesResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of MonitorInstances.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"member": null,
"members": {
  "InstanceMonitorings": {
    "deprecated": false,
    "documentation": "<p>The monitoring information.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "instancesSet",
    "payload": false,
    "queryName": null,
    "shape": "InstanceMonitoringList",
    "streaming": false,
    "xmlnsNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"Monitoring": {
  "deprecated": false,
  "documentation": "<p>Describes the monitoring of an instance.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "State": {
      "deprecated": false,
      "documentation": "<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "state",
      "payload": false,
      "queryName": null,
      "shape": "MonitoringState",
```
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"MonitoringState": {
"deprecated": false,
"documentation": null,
"enum": ["disabled", "disabling", "enabled", "pending"],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"MoveAddressToVpcRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for MoveAddressToVpc.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"PublicIp": {
"deprecated": false,
"documentation": "The Elastic IP address.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "publicIp",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "PublicIp" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"MoveAddressToVpcResult": {
"deprecated": false,
"documentation": "Contains the output of MoveAddressToVpc.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AllocationId": {
"deprecated": false,
"documentation": "The allocation ID for the Elastic IP address.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "allocationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation" : "<p>The status of the move of the IP address.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "Status",
"streaming" : false,
"xmlNamespace" : null }
],
"move" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false }
],
"MoveStatus" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "movingToVpc", "restoringToClassic" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false }
],
"MovingAddressStatus" : {
"deprecated" : false,
"documentation" : "<p>Describes the status of a moving Elastic IP address.</p> ",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "MoveStatus" : {
        "deprecated" : false,
        "documentation" : "<p>The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "moveStatus",
        "payload" : false,
        "queryName" : null,
        "shape" : "MoveStatus",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "PublicIp" : {
        "deprecated" : false,
        "documentation" : "<p>The Elastic IP address.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "publicIp",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"MovingAddressStatusSet" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : null,
    "error" : null,
"NatGateway": {
  "deprecated": false,
  "documentation": "<p>Describes a NAT gateway.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "CreateTime": {
      "deprecated": false,
      "documentation": "<p>The date and time the NAT gateway was created.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "createTime",
      "payload": false,
      "streaming": false,
      "type": "list",
      "value": null,
      "wrapper": false
    }
  }
}
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
],
"DeleteTime": {
  "deprecated": false,
  "documentation": "The date and time the NAT gateway was deleted, if applicable.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "deleteTime",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
],
"FailureCode": {
  "deprecated": false,
  "documentation": "If the NAT gateway could not be created, specifies the error code for the failure.
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "failureCode",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
],
"FailureMessage": {
  "deprecated": false,
  "documentation": "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.
For <code>InsufficientFreeAddressesInSubnet</code>: "Subnet has insufficient free addresses to create this NAT gatew"y"
For <code>Gateway.NotAttached</code>: "Network vpc-yyyyyyyy has no Internet gateway attached"
For <code>InvalidAllocationID.NotFound</code>: "Elastic IP address eipalloc-yyyyyyyy could not be associated with this NAT gateway"
For <code>Resource.AlreadyAssociated</code>: "Elastic IP address eipalloc-yyyyyyyy is already associated"
For <code>InternalError</code>: "Network interface eni-yyyyyyyy, created and used internally by this NAT gateway is in an invalid state. Please try again."
For <code>InvalidSubnetID.NotFound</code>: "The specified subnet subnet-yyyyyyyy does not exist or could not be found."
"flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName" : "failureMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NatGatewayAddresses" : {
"deprecated" : false,
"documentation" : "Information about the IP addresses and network interface associated with the NAT

gateway.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "natGatewayAddressSet",
"payload" : false,
"queryName" : null,
"shape" : "NatGatewayAddressList",
"streaming" : false,
"xmlNamespace" : null
},
"NatGatewayId" : {
"deprecated" : false,
"documentation" : "The ID of the NAT gateway.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "natGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ProvisionedBandwidth" : {
"deprecated" : false,
"documentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "provisionedBandwidth",
"payload" : false,
"queryName" : null,
"shape" : "ProvisionedBandwidth",
"streaming" : false,
"xmlNamespace" : null
"State" : {
    "deprecated" : false,
    "documentation" : "<p>The state of the NAT gateway. </p> <ul> 
    <li> <p> <code> pending </code> : The NAT gateway is being created and is not ready to process traffic. </p> </li> 
    <li> <p> <code> failed </code> : The NAT gateway could not be created. Check the <code> failureCode </code> and <code> failureMessage </code> fields for the reason. </p> </li> 
    <li> <p> <code> available </code> : The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </p> </li> 
    <li> <p> <code> deleting </code> : The NAT gateway is in the process of being terminated and may still be processing traffic. </p> </li> 
    <li> <p> <code> deleted </code> : The NAT gateway has been terminated and is no longer processing traffic. </p> </li> 
    </ul>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "state",
    "payload" : false,
    "queryName" : null,
    "shape" : "NatGatewayState",
    "streaming" : false,
    "xmlNamespace" : null
},

"SubnetId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the subnet in which the NAT gateway is located. </p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "subnetId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},

"VpcId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC in which the NAT gateway is located. </p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
}
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"NatGatewayAddress": {
"deprecated": false,
"documentation": "<p>Describes the IP addresses and network interface associated with a NAT gateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AllocationId": {
"deprecated": false,
"documentation": "<p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "allocationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"NetworkInterfaceId": {
"deprecated": false,
"documentation": "<p>The ID of the network interface associated with the NAT gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PrivateIp" : {
  "deprecated" : false,
  "documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIp",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PublicIp" : {
  "deprecated" : false,
  "documentation" : "<p>The Elastic IP address associated with the NAT gateway.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "publicIp",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"NatGatewayAddressList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
"shape": "NetworkAclAssociationList",
"streaming": false,
"xmlNamespace": null
",
"Entries": {
  "deprecated": false,
  "documentation": "<p>One or more entries (rules) in the network ACL.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "entrySet",
  "payload": false,
  "queryName": null,
  "shape": "NetworkAclEntryList",
  "streaming": false,
  "xmlNamespace": null
},

"IsDefault": {
  "deprecated": false,
  "documentation": "<p>Indicates whether this is the default network ACL for the VPC.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "default",
  "payload": false,
  "queryName": null,
  "shape": "Boolean",
  "streaming": false,
  "xmlNamespace": null
},

"NetworkAclId": {
  "deprecated": false,
  "documentation": "<p>The ID of the network ACL.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkAclId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},

"Tags": {
  "deprecated": false,
  "documentation": "<p>Any tags assigned to the network ACL.</p>",
  "flattened": false,
  "idempotencyToken": false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
}

"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for the network ACL.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"NetworkAclAssociation" : {
"deprecated" : false,
"documentation" : "<p>Describes an association between a network ACL and a subnet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NetworkAclAssociationId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the association between a network ACL and a subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "NetworkAclAssociation",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"members" : {   },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"NetworkAclEntry" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an entry in a network ACL.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CidrBlock" : {
      "deprecated" : false,
      "documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "cidrBlock",}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Egress" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "egress",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"IcmpTypeCode" : {
  "deprecated" : false,
  "documentation" : "<p>ICMP protocol: The ICMP type and code.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "icmpTypeCode",
  "payload" : false,
  "queryName" : null,
  "shape" : "IcmpTypeCode",
  "streaming" : false,
  "xmlNamespace" : null
},
"Ipv6CidrBlock" : {
  "deprecated" : false,
  "documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipv6CidrBlock",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PortRange" : {
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>"}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "portRange",
"payload" : false,
"queryName" : null,
"shape" : "PortRange",
"streaming" : false,
"xmlNamespace" : null
},
"Protocol" : {
 "deprecated" : false,
"documentation" : "&lt;p&gt;The protocol. A value of &lt;code&gt;-1&lt;/code&gt; means all protocols.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "protocol",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RuleAction" : {
 "deprecated" : false,
"documentation" : "&lt;p&gt;Indicates whether to allow or deny the traffic that matches the rule.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ruleAction",
"payload" : false,
"queryName" : null,
"shape" : "RuleAction",
"streaming" : false,
"xmlNamespace" : null
},
"RuleNumber" : {
 "deprecated" : false,
"documentation" : "&lt;p&gt;The rule number for the entry. ACL entries are processed in ascending order by rule number.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ruleNumber",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "NetworkAcl",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"NetworkInterface" : {
  "deprecated" : false,
  "documentation" : "Describes a network interface."\n  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Association" : {
      "deprecated" : false,
      "documentation" : "The association information for an Elastic IP address (IPv4) associated with the network interface."\n    },
    "flattened" : false,
    "idempotencyToken" : false,
"deprecated": false,
"documentation": "<p>Any security groups for the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupSet",
"payload": false,
"queryName": null,
"shape": "GroupIdentifierList",
"streaming": false,
"xmlns": null
}

"InterfaceType": {
"deprecated": false,
"documentation": "<p>The type of interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "interfaceType",
"payload": false,
"queryName": null,
"shape": "NetworkInterfaceType",
"streaming": false,
"xmlns": null
}

"Ipv6Addresses": {
"deprecated": false,
"documentation": "<p>The IPv6 addresses associated with the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6AddressesSet",
"payload": false,
"queryName": null,
"shape": "NetworkInterfaceIpv6AddressesList",
"streaming": false,
"xmlns": null
}

"MacAddress": {
"deprecated": false,
"documentation": "<p>The MAC address.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "macAddress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
}
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaceId": {
"deprecated": false,
"documentation": "<p>The ID of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"OwnerId": {
"deprecated": false,
"documentation": "<p>The AWS account ID of the owner of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ownerId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PrivateDnsName": {
"deprecated": false,
"documentation": "<p>The private DNS name.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "privateDnsName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PrivateIpAddress": {
"deprecated": false,
"documentation": "<p>The IPv4 address of the network interface within the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "privateIpAddress",
"payload": false,
"locationName": "privateIpAddress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PrivateIpAddresses": {
"deprecated": false,
"documentation": "<p>The private IPv4 addresses associated with the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "privateIpAddressesSet",
"payload": false,
"queryName": null,
"shape": "NetworkInterfacePrivateIpAddressList",
"streaming": false,
"xmlNamespace": null
},
"RequesterId": {
"deprecated": false,
"documentation": "<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "requesterId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"RequesterManaged": {
"deprecated": false,
"documentation": "<p>Indicates whether the network interface is being managed by AWS.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "requesterManaged",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"SourceDestCheck": {


"deprecated" : false,
"documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "sourceDestCheck",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The status of the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterfaceStatus",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"TagSet" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
}
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"NetworkInterfaceAssociation": {
"deprecated": false,
"documentation": "<p>Describes association information for an Elastic IP address (IPv4 only).</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AllocationId": {
"deprecated": false,
"documentation": "<p>The allocation ID.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "allocationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null}}
"streaming" : false,
"xmlNamespace" : null
},
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>The association ID.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"IpOwnerId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Elastic IP address owner.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipOwnerId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PublicDnsName" : {
"deprecated" : false,
"documentation" : "<p>The public DNS name.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "publicDnsName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PublicIp" : {
"deprecated" : false,
"documentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"
"locationName": "publicIp",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"NetworkInterfaceAttachment": {
"deprecated": false,
"documentation": "<p>Describes a network interface attachment.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {

  "AttachTime": {
    "deprecated": false,
    "documentation": "<p>The timestamp indicating when the attachment initiated.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "attachTime",
    "payload": false,
    "queryString": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlNamespace": null
  },
  "AttachmentId": {
    "deprecated": false,
    "documentation": "<p>The ID of the network interface attachment.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "attachId",
    "payload": false,
    "queryString": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
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  "deprecated": false,
  "documentation": "<p>The ID of the network interface attachment.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName" : "attachmentId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null,
},
"DeleteOnTermination" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deleteOnTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"DeviceIndex" : {
"deprecated" : false,
"documentation" : "<p>The device index of the network interface attachment on the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deviceIndex",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceOwnerId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network interface attachment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachmentId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"DeleteOnTermination" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deleteOnTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceAttribute" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "description", "groupSet", "sourceDestCheck", "attachment" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ]
}.
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"NetworkInterfaceIdList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "members": [ ],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
},
"NetworkInterfaceIpv6Address": {
  "deprecated": false,
  "documentation": "<p>Describes an IPv6 address associated with a network interface.</p>",
  "enum": null,
  "error": null,
  "exception": false,
"shape" : "NetworkInterfaceIpv6Address",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterface",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"NetworkInterfacePrivateIpAddress" : {
"deprecated" : false,
"documentation" : "<p>Describes the private IPv4 address of a network interface.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Association" : {
        "deprecated" : false,
        "documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "association",
        "payload" : false,
        "queryName" : null,
        "shape" : "NetworkInterfaceAssociation",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "Primary" : {
        "deprecated" : false,
        "documentation" : "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "primary",
        "payload" : false,
        "queryName" : null,
        "shape" : "Boolean",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "PrivateDnsName" : {
        "deprecated" : false,
        "documentation" : "<p>The private DNS name.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "privateDnsName",
        "payload" : false,
        "queryName" : null
    }
},
"PrivateDnsName" : {
    "deprecated" : false,
    "documentation" : "<p>The private DNS name.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "privateDnsName",
    "payload" : false,
    "queryName" : null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PrivateIpAddress": {
"deprecated": false,
"documentation": "<p>The private IPv4 address.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "privateIpAddress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"NetworkInterfacePrivateIpAddressList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "NetworkInterfacePrivateIpAddress",
"streaming": false,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
}
"NewDhcpConfiguration": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Key": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "key",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"Values": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Value",
"payload": false,
"queryName": null,
"shape": "ValueStringList",
"streaming": false,
"xmlNamespace": null
}
}
"min": 0,
"pattern": null,
"payload": null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"NewDhcpConfigurationList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "DhcpConfiguration",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ]
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}

"NextToken" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"value" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : {
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"OfferingClassType" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "standard", "convertible" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "string"}
"value": null,
"wrapper": false
},
"OfferingTypeValues": {
"deprecated": false,
"documentation": null,
"enum": [ "Heavy Utilization", "Medium Utilization", "Light Utilization", "No Upfront", "Partial Upfront", "All Upfront" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"OperationType": {
"deprecated": false,
"documentation": null,
"enum": [ "add", "remove" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
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"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"OwnerStringList": {
"deprecated": false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "Owner",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"PaymentOption" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "AllUpfront", "PartialUpfront", "NoUpfront" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
The documentation for the VPC peering connection options includes:

- **AllowDnsResolutionFromRemoteVpc**: Enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
  - **Deprecation**: False
  - **Documentation**: If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.

- **AllowEgressFromLocalClassicLinkToRemoteVpc**: Enables outbound communication from an EC2-Classic instance linked to a local VPC via ClassicLink to instances in a peer VPC.
  - **Deprecation**: False
  - **Documentation**: If true, enables outbound communication from an EC2-Classic instance linked to a local VPC via ClassicLink to instances in a peer VPC.

- **AllowEgressFromLocalVpcToRemoteClassicLink**: Enables outbound communication from instances in a local VPC to an EC2-Classic instance linked to a peer VPC via ClassicLink.
  - **Deprecation**: False
  - **Documentation**: If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance linked to a peer VPC via ClassicLink.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "allowEgressFromLocalVpcToRemoteClassicLink",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"PeeringConnectionOptionsRequest" : {
"deprecated" : false,
"documentation" : "<p>The VPC peering connection options.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AllowDnsResolutionFromRemoteVpc" : {
"deprecated" : false,
"documentation" : "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"AllowEgressFromLocalClassicLinkToRemoteVpc" : {
"deprecated" : false,
"documentation" : "<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>".
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"AllowEgressFromLocalVpcToRemoteClassicLink" : {
"deprecated" : false,
"documentation" : "<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"PermissionGroup" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "all" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ]
}
"GroupName" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the placement group the instance is in (for cluster compute instances).</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"HostId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "hostId",
    "payload" : false,
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    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
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"Tenancy" : {
    "deprecated" : false,
    "documentation" : "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.</p>",
    "flattened" : false,
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    "payload" : false,
    "queryName" : null,
    "shape" : "Tenancy",
    "streaming" : false,
    "xmlNamespace" : null
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"streaming" : false,
"xmlNamespace" : null
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"xmlNamespace" : null
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"documentation" : "Describes a range of ports.<p>
"enum" : null,
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"fault" : false,
"flattened" : false,
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"member" : null,
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"documentation" : "The first port in the range.<p>
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"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlnsNamespace" : null
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"type" : "structure",}
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"documentation": "Describes the price for a Reserved Instance.\n\n<p>The current price schedule, as determined by the term remaining for the Reserved Instance in the listing. A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.\n\n<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is USD.\n\n<p>The flattened" false,
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"queryName" : null,
"shape" : "Double",
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  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
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      "deprecated" : false,
      "documentation" : "<p>The currency for transacting the Reserved Instance resale. At this time, the only
supported currency is <code>USD</code>.</p>".
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    "locationName" : "currencyCode",
    "payload" : false,
    "queryName" : null,
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    "streaming" : false,
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  "queryName" : null,
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  "streaming" : false,
  "xmlNamespace" : null
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"type" : "list",
"value" : null,
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  "documentation" : "&lt;p&gt;Describes a Reserved Instance offering.&lt;/p&gt;",
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      "documentation" : "&lt;p&gt;The number of reservations available for the price.&lt;/p&gt;",
      "flattened" : false,
      "idempotencyToken" : false,
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      "payload" : false,
      "queryName" : null,
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      "streaming" : false,
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  }
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  "documentation" : "<p>The price per instance.</p>",
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  "idempotencyToken" : false,
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  "locationName" : "price",
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  "fault" : false,
  "flattened" : false,
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    "xmlNamespace" : null
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  "error" : null,
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  "fault" : false,
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    "shape" : "ScheduledInstancesPrivateIpAddressConfig",
    "streaming" : false,
    "xmlNamespace" : null
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"key" : null,
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"documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only
one IPv4 address can be designated as primary.</p>",
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"queryName" : null,
"shape" : "Boolean",
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"documentation" : "<p>The private IPv4 addresses.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
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  "error": null,
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    "documentation" : null,
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    "idempotencyToken" : false,
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  "error" : null,
  "exception" : false,
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"members": {
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    "queryName": null,
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  "PropagatingVgwList": {
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    "enum": null,
    "error": null,
    "exception": false,
    "fault": false,
    "flattened": false,
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      "streaming": false,
      "xmlNamespace": null
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  }
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"streaming": false,
"xmlNamespace": null
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"flattened": false,
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"shape": "DateTime",
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"Requested": {
"deprecated": false,
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"xmlNamespace": null
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"value": null,
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"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "PublicIp",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"Purchase": {
"deprecated": false,
"documentation": "Describes the result of the purchase."
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "CurrencyCode": {
    "deprecated": false,
    "documentation": "The currency in which the UpfrontPrice and HourlyPrice amounts are specified. At this time, the only supported currency is USD.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "currencyCode",
    "payload": false,
    "queryName": null,
    "shape": "CurrencyCodeValues",
    "streaming": false,
    "xmlNamespace": null
  },
  "Duration": {
    "deprecated": false,
    "documentation": "The duration of the reservation's term in seconds.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "duration",
    "payload": false,
    "queryName": null,
    "shape": "Integer",
    "streaming": false,
    "xmlNamespace": null
  },
  "HostIdSet": {
    "deprecated": false,
    "documentation": "The IDs of the Dedicated Hosts associated with the reservation.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "hostIdSet",
    "payload": false,
    "queryName": null,
    "shape": "ResponseHostIdSet",
    "streaming": false,
"locationName" : "paymentOption",
"payload" : false,
"queryName" : null,
"shape" : "PaymentOption",
"streaming" : false,
"xmlNamespace" : null
},
"UpfrontPrice" : {
"deprecated" : false,
"documentation" : "The upfront price of the reservation."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "upfrontPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"PurchaseHostReservationRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"CurrencyCode" : {
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"HostIdSet" : {
"deprecated" : false,
"documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "RequestHostIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"LimitPrice" : {
"deprecated" : false,
"documentation" : "<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"OfferingId": {
  "deprecated": false,
  "documentation": "<p>The ID of the offering.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "OfferingId", "HostIdSet" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"PurchaseHostReservationResult": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ClientToken": {
      "deprecated": false,
      "documentation": "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"\n    },
  }
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"CurrencyCode" : {
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Purchase" : {
"deprecated" : false,
"documentation" : "<p>Describes the details of the purchase.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "purchase",
"payload" : false,
"queryName" : null,
"shape" : "PurchaseSet",
"streaming" : false,
"xmlNamespace" : null
},
"TotalHourlyPrice" : {
"deprecated" : false,
"documentation" : "<p>The total hourly price of the reservation calculated per hour.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "totalHourlyPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"streaming" : false,
"xmlNamespace" : null
},
"TotalUpfrontPrice" : {
"deprecated" : false,
"documentation" : "<p>The total amount that will be charged to your account when you purchase the reservation.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "totalUpfrontPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"PurchaseRequest" : {
"deprecated" : false,
"documentation" : "<p>Describes a request to purchase Scheduled Instances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
 "InstanceCount" : {
 "deprecated" : false,
 "documentation" : "<p>The number of instances.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : null,
 "queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"PurchaseToken" : {
"deprecated" : false,
"documentation" : "\pThe purchase token.\p",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "PurchaseToken", "InstanceCount" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"PurchaseRequestSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "PurchaseRequest",
"payload" : false,
"queryName" : null,
"shape" : "PurchaseRequest",
"streaming" : false,
"xmlNamespace" : null,
"members" : { },
"min" : 1,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"PurchaseReservedInstancesOfferingRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for PurchaseReservedInstancesOffering.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceCount" : {
"deprecated" : false,
"documentation" : "<p>The number of Reserved Instances to purchase.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"LimitPrice" : {
"deprecated" : false,
"documentation" : "<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "limitPrice",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstanceLimitPrice"},

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"payload" : false,
"queryName" : null,
"shape" : "PurchaseRequestSet",
"streaming" : false,
"xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "PurchaseRequests" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"PurchaseScheduledInstancesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of PurchaseScheduledInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ScheduledInstanceSet" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the Scheduled Instances.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "scheduledInstanceSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "PurchasedScheduledInstanceSet",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure"
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReportInstanceReasonCodes",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"RebootInstancesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RebootInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>One or more instance IDs.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "InstanceId",
      "payload" : false,
      "queryName" : null
    }
  }
}
"shape": "InstanceIdStringList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "InstanceIds" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RecurringCharge": {
"deprecated": false,
"documentation": "Describes a recurring charge.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Amount": {
    "deprecated": false,
    "documentation": "The amount of the recurring charge.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "amount",
    "payload": false,
    "queryName": null,
    "shape": "Double",
    "streaming": false,
    "xmlNamespace": null
  },
  "Frequency": {
    "deprecated": false,
    "documentation": "The frequency of the recurring charge.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "frequency",
    "payload": false,
    "queryName": null,
"shape": "RecurringChargeFrequency",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RecurringChargeFrequency": {
"deprecated": false,
"documentation": null,
"enum": [ "Hourly" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"RecurringChargesList": {
"deprecated": false,
"documentation": null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "RecurringCharge",
"streaming" : false,
"xmlNamespace" : null
}
"members" : { }
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}
,"Region" : {
"deprecated" : false,
"documentation" : "<p>Describes a region.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Endpoint" : {
"deprecated" : false,
"documentation" : "<p>The region service endpoint.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "regionEndpoint",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,"RegionName" : {
"deprecated" : false,
"documentation" : "<p>The name of the region.</p>",
"flattened" : false,
"idempotencyToken" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "regionName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RegionList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "Region",
"streaming" : false,
"xmlNamespace" : null
}
},
"members" : [{}],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"RegionNameStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "RegionName",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"RegisterImageRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for RegisterImage.<p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
The architecture of the AMI.

Default: For Amazon EBS-backed AMIs, use "i386". For instance store-backed AMIs, use the architecture specified in the manifest file.

Enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.
"idempotencyToken" : false,
"location" : null,
"locationName" : "enaSupport",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},

"ImageLocation" : {
  "deprecated" : false,
  "documentation" : "The full path to your AMI manifest in Amazon S3 storage.",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"KernelId" : {
  "deprecated" : false,
  "documentation" : "The ID of the kernel.",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kernelId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"Name" : {
  "deprecated" : false,
  "documentation" : "A name for your AMI. Constraints: 3-128 alphanumeric characters, parentheses (), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)"}

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "name",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RamdiskId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the RAM disk.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ramdiskId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"RootDeviceName" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "rootDeviceName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SriovNetSupport" : {
  "deprecated" : false,
  "documentation" : "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sriovNetSupport",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VirtualizationType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of virtualization.</p> <p>Default: <code>paravirtual</code></p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "virtualizationType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Name" ].
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"RegisterImageResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of RegisterImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ImageId" : {
"deprecated" : false,
"documentation" : "The ID of the newly registered AMI.<p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "imageId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RejectVpcPeeringConnectionRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RejectVpcPeeringConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "VpcPeeringConnectionId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC peering connection.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcPeeringConnectionId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcPeeringConnectionId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RejectVpcPeeringConnectionResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of RejectVpcPeeringConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Return": {
    "deprecated": false,
    "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "return",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReleaseAddressRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ReleaseAddress.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AllocationId": {
      "deprecated": false,
      "documentation": "<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PublicIp" : {
  "deprecated" : false,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false

"ReleaseHostsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ReleaseHosts.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "HostIds" : {
      "deprecated" : false,
      "documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
"locationName": "hostId",
"payload": false,
"queryName": null,
"shape": "RequestHostIdList",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "HostIds" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReleaseHostsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of ReleaseHosts.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Successful": {
"deprecated": false,
"documentation": "<p>The IDs of the Dedicated Hosts that were successfully released.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "successful",
"payload": false,
"queryName": null,
"shape": "ResponseHostIdList",
"streaming": false,
"xmlNamespace": null
}
},
"Unsuccessful": {
"deprecated": false,
"documentation": "<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>",
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "unsuccessful",
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItemList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : null,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceIamInstanceProfileAssociationRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the existing IAM instance profile association.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"IamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfileSpecification",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "IamInstanceProfile", "AssociationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceIamInstanceProfileAssociationResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"IamInstanceProfileAssociation" : {
"deprecated" : false,
"documentation" : "Information about the IAM instance profile association.
",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iamInstanceProfileAssociation",
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfileAssociation",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReplaceNetworkAclAssociationRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ReplaceNetworkAclAssociation.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AssociationId": {
      "deprecated": false,
      "documentation": "<p>The ID of the current association between the original network ACL and the subnet.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "associationId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "NetworkAclId": {
      "deprecated": false,
      "documentation": "<p>The ID of the new network ACL to associate with the subnet.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "networkAclId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
"required" : [ "AssociationId", "NetworkAclId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceNetworkAclAssociationResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of ReplaceNetworkAclAssociation.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NewAssociationId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the new association.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "newAssociationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceNetworkAclEntryRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ReplaceNetworkAclEntry.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "CidrBlock" : {
    "deprecated" : false,
    "documentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "cidrBlock",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Egress" : {
    "deprecated" : false,
    "documentation" : "Indicates whether to replace the egress rule. Default: If no value is specified, we replace the ingress rule.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "egress",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "IcmpTypeCode" : {
    "deprecated" : false,
    "documentation" : "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "Icmp",
    "payload" : false,
    "queryName" : null,
    "shape" : "IcmpTypeCode",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Ipv6CidrBlock" : {

"deprecated" : false,
"documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkAclId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the ACL.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkAclId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PortRange" : {
"deprecated" : false,
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "portRange",
"payload" : false,
"queryName" : null,
"shape" : "PortRange",
"streaming" : false,
"xmlNamespace" : null
},
"Protocol" : {
"deprecated" : false,
"documentation" : "<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>"
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "protocol",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
,"RuleAction": {
  "deprecated": false,
  "documentation": "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ruleAction",
  "payload": false,
  "queryName": null,
  "shape": "RuleAction",
  "streaming": false,
  "xmlNamespace": null
}
,"RuleNumber": {
  "deprecated": false,
  "documentation": "<p>The rule number of the entry to replace.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ruleNumber",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
}
},
"ReplaceRouteRequest": {
  "deprecated": false,
"documentation": "<p>Contains the parameters for ReplaceRoute.</p> ",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "DestinationCidrBlock": {
    "documentation": "<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "destinationCidrBlock",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null,
  },
  "DestinationIpv6CidrBlock": {
    "documentation": "<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "destinationIpv6CidrBlock",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null,
  },
  "EgressOnlyInternetGatewayId": {
    "documentation": "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "egressOnlyInternetGatewayId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null,
  }
}
"streaming": false,
"xmlnsNamespace": null
},
"GatewayId": {
  "deprecated": false,
  "documentation": "<p>The ID of an Internet gateway or virtual private gateway.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "gatewayId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlnsNamespace": null
},
"InstanceId": {
  "deprecated": false,
  "documentation": "<p>The ID of a NAT instance in your VPC.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instanceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlnsNamespace": null
},
"NatGatewayId": {
  "deprecated": false,
  "documentation": "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "natGatewayId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlnsNamespace": null
},
"NetworkInterfaceId": {
  "deprecated": false,
  "documentation": "<p>The ID of a network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"RouteTableId": {
  "deprecated": false,
  "documentation": "<p>The ID of the route table.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "routeTableId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"VpcPeeringConnectionId": {
  "deprecated": false,
  "documentation": "<p>The ID of a VPC peering connection.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "vpcPeeringConnectionId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "RouteTableId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReplaceRouteTableAssociationRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ReplaceRouteTableAssociation.</p>",
  "enum": null,
  "error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AssociationId": {
    "deprecated": false,
    "documentation": "<p>The association ID.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "associationId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "RouteTableId": {
    "deprecated": false,
    "documentation": "<p>The ID of the new route table to associate with the subnet.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "routeTableId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "AssociationId", "RouteTableId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReplaceRouteTableAssociationResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of ReplaceRouteTableAssociation.</p>",
  "enum": null,
  "error": null,
  "exception": false,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "NewAssociationId": {
    "deprecated": false,
    "documentation": "<p>The ID of the new association.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "newAssociationId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReportInstanceReasonCodes": {
  "deprecated": false,
  "documentation": null,
  "enum": [ "instance-stuck-in-state", "unresponsive", "not-accepting-credentials", "password-not-available",
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": { },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"ReportInstanceStatusRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for ReportInstanceStatus.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [
"Description": {
"deprecated": false,
"documentation": "<p>Descriptive text about the health state of your instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"EndTime": {
"deprecated": false,
"documentation": "<p>The time at which the reported instance health state ended.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "endTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"Instances": {
"deprecated": false,
"documentation": "<p>One or more instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": null,
"streaming": false,
"xmlNamespace": null
}
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "InstanceIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"ReasonCodes" : {
  "deprecated" : false,
  "documentation" : "One or more reason codes that describes the health state of your instance.",
  "ReasonCodes" : {
    "deprecated" : false,
    "documentation" : "One or more reason codes that describes the health state of your instance.\n    <ul>
    <li> <p> <code>instance-stuck-in-state</code>: My instance is stuck in a state.\n    </li> <li> <p> <code>unresponsive</code>: My instance is unresponsive.\n    </li> <li> <p> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.\n    </li> <li> <p> <code>password-not-available</code>: A password is not available for my instance.\n    </li> <li> <p> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.\n    </li> <li> <p> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.\n    </li> <li> <p> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.\n    </li> <li> <p> <code>performance-other</code>: My instance is experiencing performance problems.\n    </li> <li> <p> <code>other</code>: [explain using the description parameter]\n    </li> </ul>
  },
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reasonCode",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReasonCodesList",
  "streaming" : false,
  "xmlNamespace" : null
},
"StartTime" : {
  "deprecated" : false,
  "documentation" : "The time at which the reported instance health state began.\n  \n  flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "startTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},
"Status" : {
  "deprecated" : false,
  "documentation" : "The status of all instances listed.\n  flattened" : false,
  "idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "ReportStatusType",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Instances", "Status", "ReasonCodes" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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,"ReportStatusType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "ok", "impaired" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}
,"RequestHostIdList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : false,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
},
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"RequestHostIdSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
},
"members": []}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"RequestSpotFleetRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RequestSpotFleet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SpotFleetRequestConfig" : {
"deprecated" : false,
"documentation" : "<p>The configuration for the Spot fleet request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotFleetRequestConfig",
"payload" : false,
"queryName" : null,
"shape" : "SpotFleetRequestConfigData",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestConfig" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RequestSpotFleetResponse" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of RequestSpotFleet.</p>",
"enum" : null,
The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not.
The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. Default: Instances are launched in any available Availability Zone.

The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide.
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceCount" : {
"deprecated" : false,
"documentation" : "The maximum number of Spot instances to launch. Default: 1",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceCount",
"payload" : false,
"queryString" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"LaunchGroup" : {
"deprecated" : false,
"documentation" : "The instance launch group. Launch groups are Spot instances that launch together and
terminate together. Default: Instances are launched and terminated individually",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "launchGroup",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"LaunchSpecification" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "LaunchSpecification",
"streaming" : false,
"xmlNamespace" : null
},
"SpotPrice" : {
"deprecated" : false,
"documentation" : "The maximum hourly price (bid) for any Spot instance launched to fulfill the
request.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "SpotPrice",
"streaming" : false,
"xmlNamespace" : null
}.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SpotPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"Type" : {
  "deprecated" : false,
  "documentation" : "<p>The Spot instance request type. Default: <code>one-time</code> </p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "type",
  "payload" : false,
  "queryName" : null,
  "shape" : "SpotInstanceType",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"ValidFrom" : {
  "deprecated" : false,
  "documentation" : "<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely. </p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "validFrom",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"ValidUntil" : {
  "deprecated" : false,
  "documentation" : "<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached. Default: The request is effective indefinitely. </p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "validUntil",
}
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotPrice" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"RequestSpotInstancesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of RequestSpotInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SpotInstanceRequests" : {
"deprecated" : false,
"documentation" : "<p>One or more Spot instance requests.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SpotInstanceRequestSet",
"payload" : false,
"queryName" : null,
"shape" : "SpotInstanceRequestList",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure"
"value" : null,
"wrapper" : false
],
"RequestSpotLaunchSpecification" : {
  "deprecated" : false,
  "documentation" : "Describes the launch specification for an instance."",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AddressingType" : {
      "deprecated" : false,
      "documentation" : "Deprecated."
    },
    "BlockDeviceMappings" : {
      "deprecated" : false,
      "documentation" : "One or more block device mapping entries. Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted."
    },
    "EbsOptimized" : {
      "deprecated" : false,
      "documentation" : "Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an"
EBS Optimized instance.

Default: `<code>false</code>`

- **flattened**: false,
- **idempotencyToken**: false,
- **location**: null,
- **locationName**: "ebsOptimized",
- **payload**: false,
- **queryName**: null,
- **shape**: "Boolean",
- **streaming**: false,
- **xmlNamespace**: null

```
"IamInstanceProfile": {
  "deprecated": false,
  "documentation": "<p>The IAM instance profile.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "iamInstanceProfile",
  "payload": false,
  "queryName": null,
  "shape": "IamInstanceProfileSpecification",
  "streaming": false,
  "xmlNamespace": null
},

"ImageId": {
  "deprecated": false,
  "documentation": "<p>The ID of the AMI.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "imageId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},

"InstanceType": {
  "deprecated": false,
  "documentation": "<p>The instance type.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instanceType",
  "payload": false,
  "queryName": null,
  "shape": "InstanceType",
  "streaming": false,
```

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"xmlNamespace" : null
},
"KernelId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of the kernel.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kernelId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"KeyName" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The name of the key pair.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "keyName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
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"Monitoring" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "monitoring",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"NetworkInterfaces" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
}
"locationName" : "NetworkInterface",
"payload" : false,
"queryName" : null,
"shape" : "InstanceNetworkInterfaceSpecificationList",
"streaming" : false,
"xmlNamespace" : null
},
"Placement" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The placement information for the instance.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "placement",
  "payload" : false,
  "queryName" : null,
  "shape" : "SpotPlacement",
  "streaming" : false,
  "xmlNamespace" : null
},
"RamdiskId" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ramdiskId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecurityGroupIds" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "SecurityGroupId",
  "payload" : false,
  "queryName" : null,
  "shape" : "ValueStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecurityGroups" : {
  "deprecated" : false,
"SubnetId": {
  "deprecated": false,
  "documentation": "<p>The ID of the subnet in which to launch the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "subnetId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlnsNamespace": null
},
"UserData": {
  "deprecated": false,
  "documentation": "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "userData",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlnsNamespace": null
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"Reservation" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a reservation.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
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    "GroupNames" : {
      "deprecated" : false,
      "documentation" : "<p>One or more security group names.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "groupName",
      "payload" : false,
      "queryName" : null,
      "shape" : "GroupNameStringList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Groups" : {
      "deprecated" : false,
      "documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "groupSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "GroupIdentifierList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Instances" : {
      "deprecated" : false,
      "documentation" : "<p>One or more instances.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "instancesSet",
      "payload" : false,
      "queryName" : null
    }
  }
}
"shape": "InstanceList",
"streaming": false,
"xmlNamespace": null
},
"OwnerId": {
"deprecated": false,
"documentation": "<p>The ID of the AWS account that owns the reservation.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ownerId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"RequesterId": {
"deprecated": false,
"documentation": "<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "requesterId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ReservationId": {
"deprecated": false,
"documentation": "<p>The ID of the reservation.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reservationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"ReservationList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "Reservation",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
}

"ReservationState" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "payment-pending", "payment-failed", "active", "retired" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max" : 0,
"member" : null,
"members" : { }
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"value" : null,
"wrapper" : false
}

"ReservationValue" : {
"deprecated" : false,
"documentation" : "The cost associated with the Reserved Instance.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"HourlyPrice" : {
"deprecated" : false,
"documentation" : "The hourly rate of the reservation.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hourlyPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RemainingTotalValue" : {
"deprecated" : false,
"documentation" : "The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "remainingTotalValue",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false
}
"streaming" : false,
"xmlNamespace" : null
},
"RemainingUpfrontValue" : {
  "deprecated" : false,
  "documentation" : "<p>The remaining upfront cost of the reservation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "remainingUpfrontValue",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
",
"ReservedInstanceIdSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ReservedInstanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
}
"ReservedInstanceLimitPrice" : {
  "deprecated" : false,
  "documentation" : "Describes the limit price of a Reserved Instance offering.\n"\n  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Amount" : {
      "deprecated" : false,
      "documentation" : "Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount \* price).\n"\n      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "amount",
      "payload" : false,
      "queryName" : null,
      "shape" : "Double",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "CurrencyCode" : {
      "deprecated" : false,
      "documentation" : "The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.\n"\n      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "currencyCode",
      "payload" : false,
      "queryName" : null,
      "shape" : "CurrencyCodeValues",
    }
  }
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false}
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"ReservedInstanceReservationValue": {
"deprecated": false,
"documentation": "<p>The total value of the Convertible Reserved Instance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"ReservationValue": {
"deprecated": false,
"documentation": "<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reservationValue",
"payload": false,
"queryName": null,
"shape": "ReservationValue",
"streaming": false,
"xmlNamespace": null
},
"ReservedInstanceId": {
"deprecated": false,
"documentation": "<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reservedInstanceId",
"payload": false,
"queryName": null,
"shape": "String",null
}
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
],
"ReservedInstanceReservationValueSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "ReservedInstanceReservationValue",
"streaming": false,
"xmlNamespace": null
},
"members": [
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
]
},
"ReservedInstanceState": {
"deprecated": false,
"documentation": null,
"enum": [ "payment-pending", "active", "payment-failed", "retired" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"ReservedInstances": {
"deprecated": false,
"documentation": "Describes a Reserved Instance.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AvailabilityZone": {
"deprecated": false,
"documentation": "The Availability Zone in which the Reserved Instance can be used.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"CurrencyCode": {
"deprecated": false,
"documentation": "The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is USD.",
"type": "string",
"value": null,
"wrapper": false
}
}

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"flattened" : false,
:idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Duration" : {
"deprecated" : false,
"documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
"flattened" : false,
:idempotencyToken" : false,
"location" : null,
"locationName" : "duration",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
},
"End" : {
"deprecated" : false,
"documentation" : "<p>The time when the Reserved Instance expires.</p>",
"flattened" : false,
:idempotencyToken" : false,
"location" : null,
"locationName" : "end",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"FixedPrice" : {
"deprecated" : false,
"documentation" : "<p>The purchase price of the Reserved Instance.</p>",
"flattened" : false,
:idempotencyToken" : false,
"location" : null,
"locationName" : "fixedPrice",
"payload" : false,
"queryName" : null,
"shape" : "Float",
"streaming" : false,
"xmlNamespace" : false,
"InstanceCount" : {
  "deprecated" : false,
  "documentation" : "<p>The number of reservations purchased.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceCount",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceTenancy" : {
  "deprecated" : false,
  "documentation" : "<p>The tenancy of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceTenancy",
  "payload" : false,
  "queryName" : null,
  "shape" : "Tenancy",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {
  "deprecated" : false,
  "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceType",
  "streaming" : false,
  "xmlNamespace" : null
},
"OfferingClass" : {
  "deprecated" : false,
  "documentation" : "<p>The offering class of the Reserved Instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "offeringClass",
  "payload" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Scope" : {
  "deprecated" : false,
  "documentation" : "<p>The scope of the Reserved Instance.</p>",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "scope",
  "payload" : false,
  "queryName" : null,
  "shape" : "scope",
  "streaming" : false,
  "xmlNamespace" : null
},
"Start" : {
  "deprecated" : false,
  "documentation" : "<p>The date and time the Reserved Instance started.</p>",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "start",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},
"State" : {
  "deprecated" : false,
  "documentation" : "<p>The state of the Reserved Instance purchase.</p>",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReservedInstanceState",
  "streaming" : false,
  "xmlNamespace" : null
},

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"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},
"UsagePrice" : {
  "deprecated" : false,
  "documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "usagePrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "Float",
  "streaming" : false,
  "xmlNamespace" : null
}
"\n"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReservedInstancesConfiguration" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the configuration settings for the modified Reserved Instances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
}
"AvailabilityZone" : {
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone for the modified Reserved Instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "availabilityZone",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceCount" : {
  "deprecated" : false,
  "documentation" : "<p>The number of modified Reserved Instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceCount",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {
  "deprecated" : false,
  "documentation" : "<p>The instance type for the modified Reserved Instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceType",
  "streaming" : false,
  "xmlNamespace" : null
},
"Platform" : {
  "deprecated" : false,
  "documentation" : "<p>The network platform of the modified Reserved Instances, which is either EC2-Class
or EC2-VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "platform",
  "payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Scope": {
"deprecated": false,
"documentation": "<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "scope",
"payload": false,
"queryString": null,
"shape": "scope",
"streaming": false,
"xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReservedInstancesConfigurationList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryString": null,
"queryName": null,
"shape" : "ReservedInstancesConfiguration",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
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"ReservedInstancesId" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the ID of a Reserved Instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ReservedInstancesId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the Reserved Instance.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "reservedInstancesId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false}
ReservedInstancesIdStringList: {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "ReservedInstancesId",
    "payload": false,
    "queryString": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "members": [],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
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ReservedInstancesList: {
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  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
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    "documentation": false,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "ReservedInstancesId",
    "payload": false,
    "queryString": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "members": [],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
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"location" : null,
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"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
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"members" : [ ],
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesListing" : {
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"documentation" : "<p>Describes a Reserved Instance listing.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"CreateDate" : {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"ReservedInstancesListing" : [ {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesListing" : {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"ReservedInstancesListing" : [ {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesListing" : {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"ReservedInstancesListing" : [ {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesListing" : {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"ReservedInstancesListing" : [ {"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}];
"deprecated" : false,
"documentation" : "<p>The time the listing was created.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "createDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceCounts" : {
"deprecated" : false,
"documentation" : "<p>The number of instances in this state.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceCounts",
"payload" : false,
"queryName" : null,
"shape" : "InstanceCountList",
"streaming" : false,
"xmlNamespace" : null
},
"PriceSchedules" : {
"deprecated" : false,
"documentation" : "<p>The price of the Reserved Instance listing.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "priceSchedules",
"payload" : false,
"queryName" : null,
"shape" : "PriceScheduleList",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Reserved Instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesId",
"payload" : false,
"queryName" : null,
"shape" : "String",}
"streaming": false,
"xmlNamespace": null
},
"ReservedInstancesListingId": {
  "deprecated": false,
  "documentation": "The ID of the Reserved Instance listing.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "reservedInstancesListingId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Status": {
  "deprecated": false,
  "documentation": "The status of the Reserved Instance listing.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "status",
  "payload": false,
  "queryName": null,
  "shape": "ListingStatus",
  "streaming": false,
  "xmlNamespace": null
},
"StatusMessage": {
  "deprecated": false,
  "documentation": "The reason for the current status of the Reserved Instance listing. The response can be blank.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "statusMessage",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Tags": {
  "deprecated": false,
  "documentation": "Any tags assigned to the resource.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "tags",
  "payload": false,
  "queryName": null,
  "shape": "StringList",
  "streaming": false,
  "xmlNamespace": null
}
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
}
,"UpdateDate" : {
"deprecated" : false,
"documentation" : "<p>The last modified timestamp of the listing.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "updateDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
,"ReservedInstancesListingList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item"
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesListing",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesModification" : {
  "deprecated" : false,
  "documentation" : "Describes a Reserved Instance modification."
},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ClientToken" : {
    "deprecated" : false,
    "documentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
  },
  "CreateDate" : {
    "deprecated" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "clientToken",
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"CreateDate" : {
  "deprecated" : false,
  "documentation" : "The time when the modification request was created."
},
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "createDate",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"EffectiveDate": {
  "deprecated": false,
  "documentation": "<p>The time for the modification to become effective.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "effectiveDate",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},
"ModificationResults": {
  "deprecated": false,
  "documentation": "<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "modificationResultSet",
  "payload": false,
  "queryName": null,
  "shape": "ReservedInstancesModificationResultList",
  "streaming": false,
  "xmlNamespace": null
},
"ReservedInstancesIds": {
  "deprecated": false,
  "documentation": "<p>The IDs of one or more Reserved Instances.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "reservedInstancesSet",
  "payload": false,
  "queryName": null,
  "shape": "ReservedInstancesIds",
  "streaming": false,
  "xmlNamespace": null
}
"ReservedInstancesModificationId" : {
  "deprecated" : false,
  "documentation" : "<p>A unique ID for the Reserved Instance modification.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstancesModificationId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"Status" : {
  "deprecated" : false,
  "documentation" : "<p>The status of the Reserved Instances modification request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"StatusMessage" : {
  "deprecated" : false,
  "documentation" : "<p>The reason for the status.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "statusMessage",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"UpdateDate" : {
  "deprecated" : false,
  "documentation" : "<p>The time when the modification request was last updated.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "updateDate",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"ReservedInstancesModificationList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "ReservedInstancesModification",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"ReservedInstancesModificationResult" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the modification request/s.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ReservedInstancesId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID for the Reserved Instances that were created as part of the modification request.</p>",
      "enum" : null,
      "error" : null,
This field is only available when the modification is fulfilled.</p>,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"TargetConfiguration" : {
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"documentation" : "The target Reserved Instances configurations supplied as part of the modification request.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "targetConfiguration",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesConfiguration",
"streaming" : false,
"xmlNamespace" : null
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"ReservedInstancesModificationResultList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
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"payload" : null,
"required" : null,
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"type" : "structure",
"value" : null,
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"error" : null,
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"max" : 0,
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"documentation" : null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "ReservedInstancesModificationResult",
"streaming": false,
"xmlnsNamespace": null
},
"members": {
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"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"ReservedInstancesOffering": {
"deprecated": false,
"documentation": "Describes a Reserved Instance offering.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AvailabilityZone": {
"deprecated": false,
"documentation": "The Availability Zone in which the Reserved Instance can be used.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"CurrencyCode": {
"deprecated": false,
"documentation": "The currency of the Reserved Instance offering you are purchasing. It's specified using"}
ISO 4217 standard currency codes. At this time, the only supported currency is `<code>USD</code>`.

```json

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Duration" : {
"deprecated" : false,
"documentation" : "The duration of the Reserved Instance, in seconds."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "duration",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
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"FixedPrice" : {
"deprecated" : false,
"documentation" : "The purchase price of the Reserved Instance.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "fixedPrice",
"payload" : false,
"queryName" : null,
"shape" : "Float",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceTenancy" : {
"deprecated" : false,
"documentation" : "The tenancy of the instance.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceTenancy",
"payload" : false,
"queryName" : null,
"shape" : "Tenancy",
"streaming" : false,
"xmlNamespace" : null
}
```

---

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"xmlNamespace" : null
}
,"InstanceType" : {
  "deprecated" : false,
  "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceType",
  "streaming" : false,
  "xmlNamespace" : null
},
,"Marketplace" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "marketplace",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
,"OfferingClass" : {
  "deprecated" : false,
  "documentation" : "<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "offeringClass",
  "payload" : false,
  "queryName" : null,
  "shape" : "OfferingClassType",
  "streaming" : false,
  "xmlNamespace" : null
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,"OfferingType" : {
  "deprecated" : false,
  "documentation" : "<p>The Reserved Instance offering type.</p>",
  "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "offeringType",
"payload" : false,
"queryName" : null,
"shape" : "OfferingTypeValues",
"streaming" : false,
"xmlNamespace" : null
},
"PricingDetails" : {
"deprecated" : false,
"documentation" : "<p>The pricing details of the Reserved Instance offering.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "pricingDetailsSet",
"payload" : false,
"queryName" : null,
"shape" : "PricingDetailsList",
"streaming" : false,
"xmlNamespace" : null
},
"ProductDescription" : {
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "productDescription",
"payload" : false,
"queryName" : null,
"shape" : "RIProductDescription",
"streaming" : false,
"xmlNamespace" : null
},
"RecurringCharges" : {
"deprecated" : false,
"documentation" : "<p>The recurring charge tag assigned to the resource.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "recurringCharges",
"payload" : false,
"queryName" : null,
"shape" : "RecurringChargesList",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesOfferingId": {
  "deprecated": false,
  "documentation": "The ID of the Reserved Instance offering. This is the offering ID used in
  \(\textit{GetReservedInstancesExchangeQuote}\) to confirm that an exchange can be made.\(</p>\)",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "reservedInstancesOfferingId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Scope": {
  "deprecated": false,
  "documentation": "Whether the Reserved Instance is applied to instances in a region or an Availability
  Zone.\(</p>\)",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "scope",
  "payload": false,
  "queryName": null,
  "shape": "scope",
  "streaming": false,
  "xmlNamespace": null
},
"UsagePrice": {
  "deprecated": false,
  "documentation": "The usage price of the Reserved Instance, per hour.\(</p>\)",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "usagePrice",
  "payload": false,
  "queryName": null,
  "shape": "Float",
  "streaming": false,
  "xmlNamespace": null
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"value" : null,
"wrapper" : false
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"ReservedInstancesOfferingIdStringList" : {
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"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
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"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : { },
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
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"ReservedInstancesOfferingList" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}

"ResetImageAttributeName" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "launchPermission" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}

"ResetImageAttributeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ResetImageAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attribute" : {
"deprecated" : false,
"documentation" : "<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}
"queryName" : null,
"shape" : "ResetImageAttributeName",
"streaming" : false,
"xmlNamespace" : null
},
"ImageId" : {
"deprecated" : false,
"documentation" : "The ID of the AMI.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ImageId", "Attribute" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"ResetInstanceAttributeRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for ResetInstanceAttribute.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attribute" : {
"deprecated" : false,
"documentation" : "The attribute to reset. You can only reset the following attributes: "kernel" | "ramdisk" | "sourceDestCheck". To change an instance attribute, use <a>ModifyInstanceAttribute</a>.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"include" : false,
"name" : "Attribute",
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
}
"locationName" : "attribute",
"payload" : false,
"queryName" : null,
"shape" : "InstanceAttributeName",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId", "Attribute" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ResetNetworkInterfaceAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ResetNetworkInterfaceAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NetworkInterfaceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the network interface.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "NetworkInterfaceId",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceDestCheck" : {
"deprecated" : false,
"documentation" : "The source/destination checking attribute. Resets the value to
<code>true</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "sourceDestCheck",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ResetSnapshotAttributeRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for ResetSnapshotAttribute.\n"},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attribute" : {
"deprecated" : false,
"documentation" : "The attribute to reset. Currently, only the attribute for permission to create volumes can
be reset.\n"},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "SnapshotAttributeName",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
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"payload" : null,
"required" : [ "SnapshotId", "Attribute" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"ResourceIdList" : {
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"error" : null,
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"fault" : false,
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"max" : 0,
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"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ {} ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
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  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"members": [ ],
"min": 0,
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"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"RestorableByStringList": [ 
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": [ 
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
],
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"RestoreAddressToClassicRequest": [ 
"deprecated": false,
"documentation": "<p>Contains the parameters for RestoreAddressToClassic.</p>",
"enum": null,
"error": null,
"locationName" : "publicIp",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The move status for the IP address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "Status",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RevokeSecurityGroupEgressRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RevokeSecurityGroupEgress.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CidrIp" : {
"deprecated" : false,
"documentation" : "The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead."",
"flattened" : false,
"idempotencyToken" : false,
"location": null,
"locationName": "cidrIp",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"FromPort": {
"deprecated": false,
"documentation": "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "fromPort",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"GroupId": {
"deprecated": false,
"documentation": "<p>The ID of the security group.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"IpPermissions": {
"deprecated": false,
"documentation": "<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipPermissions",
"payload": false,
"queryName": null,
"shape": "IpPermissionList",
"streaming": false,
"xmlNamespace": null
}
"IpProtocol" : {
  "deprecated" : false,
  "documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipProtocol",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SourceSecurityGroupName" : {
  "deprecated" : false,
  "documentation" : "<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sourceSecurityGroupName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SourceSecurityGroupOwnerId" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sourceSecurityGroupOwnerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ToPort" : {
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
  "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "toPort",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}
",
"min": 0,
"pattern": null,
"payload": null,
"required": [ "GroupId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
",
"RevokeSecurityGroupIngressRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for RevokeSecurityGroupIngress.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
  "CidrIp": {
      "deprecated": false,
      "documentation": "<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
  },
  "FromPort": {
      "deprecated": false,
      "documentation": "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For
  "idempotencyToken": false,
  "location": null,
  "locationName": "toPort",
  "payload": false,
the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>

    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "GroupId" : {
    "deprecated" : false,
    "documentation" : "The ID of the security group. Required for a security group in a nondefault VPC.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "GroupName" : {
    "deprecated" : false,
    "documentation" : "[EC2-Classic, default VPC] The name of the security group.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "IpPermissions" : {
    "deprecated" : false,
    "documentation" : "A set of IP permissions. You can't specify a source security group and a CIDR IP address range.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "IpPermissionList",
"streaming": false,
"xmlNamespace": null
},
"IpProtocol": {
  "deprecated": false,
  "documentation": "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>)
or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"SourceSecurityGroupName": {
  "deprecated": false,
  "documentation": "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify
this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range,
the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"SourceSecurityGroupOwnerId": {
  "deprecated": false,
  "documentation": "<p>[EC2-Classic] The AWS account ID of the source security group, if the source security
group is in a different account. You can't specify this parameter in combination with the following parameters: the
CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a
specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
"xmlNamespace" : null
},
"ToPort" : {
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For
the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"Route" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a route in a route table.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DestinationCidrBlock" : {
      "deprecated" : false,
      "documentation" : "<p>The IPv4 CIDR block used for the destination match.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "destinationCidrBlock",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
"streaming": false,
"xmlNamespace": null
},
"DestinationIpv6CidrBlock": {
  "deprecated": false,
  "documentation": "<p>The IPv6 CIDR block used for the destination match.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "destinationIpv6CidrBlock",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"DestinationPrefixListId": {
  "deprecated": false,
  "documentation": "<p>The prefix of the AWS service.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "destinationPrefixListId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"EgressOnlyInternetGatewayId": {
  "deprecated": false,
  "documentation": "<p>The ID of the egress-only Internet gateway.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "egressOnlyInternetGatewayId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"GatewayId": {
  "deprecated": false,
  "documentation": "<p>The ID of a gateway attached to your VPC.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName": "gatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of a NAT instance in your VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceOwnerId": {
"deprecated": false,
"documentation": "<p>The AWS account ID of the owner of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceOwnerId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"NatGatewayId": {
"deprecated": false,
"documentation": "<p>The ID of a NAT gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "natGatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaceId": {
"deprecated": false,
"documentation": "<p>The ID of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Origin": {
"deprecated": false,
"documentation": "<p>Describes how the route was created.</p>" <ul> <li> <p><code>CreateRouteTable</code> - The route was automatically created when the route table was created.</p> </li> <li> <p><code>CreateRoute</code> - The route was manually added to the route table.</p> </li> <li> <p><code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</p> </li> </ul>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "origin",
"payload": false,
"queryName": null,
"shape": "RouteOrigin",
"streaming": false,
"xmlNamespace": null
},
"State": {
"deprecated": false,
"documentation": "<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>"",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "state",
"payload": false,
"queryName": null,
"shape": "RouteState",
"streaming": false,
"xmlNamespace": null
},
"VpcPeeringConnectionId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC peering connection.</p>"",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName" : "vpcPeeringConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RouteList" : { 
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "Route",
"streaming" : false,
"xmlNamespace" : null
}
],
"members" : [ {} ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Associations" : {
        "deprecated" : false,
        "documentation" : "<p>The associations between the route table and one or more subnets.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "associationSet",
        "payload" : false,
        "queryName" : null,
        "shape" : "RouteTableAssociationList",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "PropagatingVgws" : {
        "deprecated" : false,
        "documentation" : "<p>Any virtual private gateway (VGW) propagating routes.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "propagatingVgwSet",
        "payload" : false,
        "queryName" : null,
        "shape" : "PropagatingVgwList",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "RouteTableId" : {
        "deprecated" : false,
        "documentation" : "<p>The ID of the route table.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "routeTableId",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"Routes" : {

"deprecated": false,
"documentation": "<p>The routes in the route table.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "routeSet",
"payload": false,
"queryName": null,
"shape": "RouteList",
"streaming": false,
"xmlNamespace": null
},
"Tags": {
"deprecated": false,
"documentation": "<p>Any tags assigned to the route table.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tagSet",
"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"RouteTableAssociation": {
  "deprecated": false,
  "documentation": "<p>Describes an association between a route table and a subnet.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Main": {
      "deprecated": false,
      "documentation": "<p>Indicates whether this is the main route table.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "main",
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    },
    "RouteTableAssociationId": {
      "deprecated": false,
      "documentation": "<p>The ID of the association between a route table and a subnet.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "routeTableAssociationId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "RouteTableId": {
      "deprecated": false,
      "documentation": "<p>The ID of the route table.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "routeTableId",
      "payload": false,
      "queryName": null,
      "shape": "String",  
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"streaming": false,
"xmlNamespace": null
},
"SubnetId": {
"deprecated": false,
"documentation": "The ID of the subnet. A subnet ID is not returned for an implicit association."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "subnetId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RouteTableAssociationList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "RouteTableAssociation",
"streaming": false,
"xmlNamespace": null
}
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false,

"RunInstancesMonitoringEnabled" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the monitoring of an instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Enabled" : {
      "deprecated" : false,
      "documentation" : "<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "enabled",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "Enabled" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RunInstancesRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for RunInstances.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AdditionalInfo": {
"deprecated": false,
"documentation": "<p>Reserved.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "additionalInfo",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"BlockDeviceMappings": {
"deprecated": false,
"documentation": "<p>The block device mapping.</p> <important><p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p></important>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "BlockDeviceMapping",
"payload": false,
"queryName": null,
"shape": "BlockDeviceMappingRequestList",
"streaming": false,
"xmlNamespace": null
},
"ClientToken": {
"deprecated": false,
Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. Constraints: Maximum 64 ASCII characters,

If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.

Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"Ipv6AddressCount": {
"deprecated": false,
"documentation": "<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p> ",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"Ipv6Addresses": {
"deprecated": false,
"documentation": "<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p> ",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Ipv6Address",
"payload": false,
"queryName": null,
"shape": "InstanceIpv6AddressList",
"streaming": false,
"xmlNamespace": null
},
"KernelId": {
"deprecated": false,
"documentation": "<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"PV-GRUB/a in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </important>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"KeyName": {
"deprecated": false,
"documentation": "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>.<p>Important: If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.<p>
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"MaxCount": {
"deprecated": false,
"documentation": "The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"MinCount": {
"deprecated": false,
"documentation": "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.
"flattened": false,
"idempotencyToken": false,
"location": null,
"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryString" : null,
  "streaming" : false,
  "xmlNamespace" : null
},
"RamdiskId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p> </important>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryString" : null,
  "streaming" : false,
  "xmlNamespace" : null
},
"SecurityGroupIds" : {
  "deprecated" : false,
  "documentation" : "<p>One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "SecurityGroupId",
  "payload" : false,
  "queryString" : null,
  "streaming" : false,
  "xmlNamespace" : null
}
}
"SecurityGroups" : {
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p>
    <p>Default: Amazon EC2 uses the default security group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "SecurityGroup",
    "payload" : false,
    "queryName" : null,
    "shape" : "SecurityGroupStringList",
    "streaming" : false,
    "xmlNamespace" : null
},
"SubnetId" : {
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"UserData" : {
    "deprecated" : false,
    "documentation" : "The user data to make available to the instance. For more information, see
    <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and
    <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-
    encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
}
"pattern" : null,
"payload" : null,
"required" : [ "ImageId", "MinCount", "MaxCount" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RunInstancesResult" : {
"deprecated" : false,
"documentation" : "A simple result wrapper around the Reservation object that was sent over the wire.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Reservation" : {
    "deprecated" : false,
    "documentation" : "Describes a reservation.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Reservation",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RunScheduledInstancesRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for RunScheduledInstances.",
"enum" : null,
"error" : null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ClientToken": {
    "deprecated": false,
    "documentation": "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
    "flattened": false,
    "idempotencyToken": true,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "InstanceCount": {
    "deprecated": false,
    "documentation": "<p>The number of instances. Default: 1</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "Integer",
    "streaming": false,
    "xmlNamespace": null
  },
  "LaunchSpecification": {
    "deprecated": false,
    "documentation": "<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "ScheduledInstancesLaunchSpecification",
    "streaming": false,
"xmlNamespace" : null
},
"ScheduledInstanceId" : {
"deprecated" : false,
"documentation" : "<p>The Scheduled Instance ID.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ScheduledInstanceId", "LaunchSpecification" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RunScheduledInstancesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of RunScheduledInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {

"InstanceIdSet" : {
"deprecated" : false,
"documentation" : "<p>The IDs of the newly launched instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceIdSet",
"payload" : "InstanceIdSet",
"queryName" : null,
"shape" : "InstanceIdSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"S3Storage" : {
"deprecated" : false,
"documentation" : "Describes the storage parameters for S3 and S3 buckets for an instance store-backed AMI."",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AWSAccessKeyId" : {
    "deprecated" : false,
    "documentation" : "The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in Best Practices for Managing AWS Access Keys."
  },
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Bucket" : {
  "deprecated" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName" : "bucket",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Prefix" : {
  "deprecated" : false,
  "documentation" : "<p>The beginning of the file name of the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "prefix",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"UploadPolicy" : {
  "deprecated" : false,
  "documentation" : "An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "uploadPolicy",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"UploadPolicySignature" : {
  "deprecated" : false,
  "documentation" : "The signature of the JSON document.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "uploadPolicySignature",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstance" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a Scheduled Instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "availabilityZone",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "CreateDate" : {
      "deprecated" : false,
      "documentation" : "<p>The date when the Scheduled Instance was purchased.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "createDate",
      "payload" : false,
      "queryName" : null,
      "shape" : "DateTime",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "HourlyPrice" : {"min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
}
"deprecated": false,
"documentation": "<p>The hourly price for a single instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "hourlyPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"InstanceCount": {
"deprecated": false,
"documentation": "<p>The number of instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceCount",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlnsNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"NetworkPlatform": {
"deprecated": false,
"documentation": "<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkPlatform",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"NextSlotStartTime": {
  "deprecated": false,
  "documentation": "<p>The time for the next schedule to start.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "nextSlotStartTime",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "platform",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PreviousSlotEndTime": {
  "deprecated": false,
  "documentation": "<p>The time that the previous schedule ended or will end.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "previousSlotEndTime",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},
"Recurrence": {
  "deprecated": false,
  "documentation": "<p>The schedule recurrence.</p>",
  "flattened": false,
  "idempotencyToken": false,
"deprecated" : false,
"documentation" : "<p>The start date for the Scheduled Instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "termStartDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null,
},
"TotalScheduledInstanceHours" : {
"deprecated" : false,
"documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "totalScheduledInstanceHours",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstanceAvailability" : {
"deprecated" : false,
"documentation" : "<p>Describes a schedule that is available for your Scheduled Instances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AvailabilityZone" : {
"deprecated": false,
"documentation": "<p>The Availability Zone.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"AvailableInstanceCount": {
"deprecated": false,
"documentation": "<p>The number of available instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availableInstanceCount",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"FirstSlotStartTime": {
"deprecated": false,
"documentation": "<p>The time period for the first schedule to start.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "firstSlotStartTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"HourlyPrice": {
"deprecated": false,
"documentation": "<p>The hourly price for a single instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "hourlyPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
  "deprecated": false,
  "documentation": "The instance type. You can specify one of the C3, C4, M4, or R3 instance types.<p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instanceType",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"MaxTermDurationInDays": {
  "deprecated": false,
  "documentation": "The maximum term. The only possible value is 365 days.<p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "maxTermDurationInDays",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
},
"MinTermDurationInDays": {
  "deprecated": false,
  "documentation": "The minimum term. The only possible value is 365 days.<p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "minTermDurationInDays",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
},
"NetworkPlatform": {
  "deprecated": false,
  "documentation": "The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).<p>",
  "flattened": false,
  "idempotencyToken": false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstanceIdRequestSet",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ScheduledInstanceIdRequestSet" : { 
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ScheduledInstanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ScheduledInstanceRecurrence" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the recurring schedule for a Scheduled Instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Frequency" : {
      "deprecated" : false,
      "documentation" : "\pThe frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>.),</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "frequency",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Interval" : {
      "deprecated" : false,
      "documentation" : "The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.\p",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "interval",
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "OccurrenceDaySet" : {
      "deprecated" : false,
      "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a
weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).<p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "occurrenceDaySet",
"payload" : false,
"queryName" : null,
"shape" : "OccurrenceDaySet",
"streaming" : false,
"xmlnsNamespace" : null
},
"OccurrenceRelativeToEnd" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "occurrenceRelativeToEnd",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
},
"OccurrenceUnit" : {
"deprecated" : false,
"documentation" : "<p>The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "occurrenceUnit",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"ScheduledInstanceRecurrenceRequest" : {
    "deprecated" : false,
    "documentation" : "Describes the recurring schedule for a Scheduled Instance.",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Frequency" : {
            "deprecated" : false,
            "documentation" : "The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>)."
        },
        "Interval" : {
            "deprecated" : false,
            "documentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
        },
        "OccurrenceDays" : {
            "deprecated" : false,
            "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.
        }
    }
},
"ScheduledInstanceRecurrenceRequest" : {
    "deprecated" : false,
    "documentation" : "Describes the recurring schedule for a Scheduled Instance.",
"location" : null,
"locationName" : "OccurrenceDay",
"payload" : false,
"queryName" : null,
"shape" : "OccurrenceDayRequestSet",
"streaming" : false,
"xmlNamespace" : null
},
"OccurrenceRelativeToEnd" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"OccurrenceUnit" : {
"deprecated" : false,
"documentation" : "<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstanceSet" : {
"deprecated": false,
"documentation": "<p>Describes a block device mapping for a Scheduled Instance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "item",
  "payload": false,
  "queryString": null,
  "shape": "ScheduledInstance",
  "streaming": false,
  "xmlNamespace": null
},
"members": [ {} ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"ScheduledInstancesBlockDeviceMapping": {
  "deprecated": false,
  "documentation": "The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n"
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Ebs": {
  "deprecated": false,
  "documentation": "Parameters used to set up EBS volumes automatically when the instance is launched.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "ScheduledInstancesEbs",
  "streaming": false,
  "xmlNamespace": null
},
"NoDevice": {
  "deprecated": false,
  "documentation": "Suppresses the specified device included in the block device mapping of the AMI."
},
"VirtualName": {
  "deprecated": false,
  "documentation": "The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI."
},
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,"ScheduledInstancesBlockDeviceMappingSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "BlockDeviceMapping",
  "payload": false,
  "queryName": null,
  "shape": "ScheduledInstancesBlockDeviceMapping",
  "streaming": false,
  "xmlNamespace": null
}
,"members": [ {} ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"ScheduledInstancesEbs": {
"deprecated": false,
"documentation": "Describes an EBS volume for a Scheduled Instance.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"DeleteOnTermination": {
"deprecated": false,
"documentation": "Indicates whether the volume is deleted on instance termination.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Encrypted": {
"deprecated": false,
"documentation": "Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Iops": {
"deprecated": false,
"documentation": "The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for
bursting. For more information about `<code>gp2</code>` baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. Constraint: Range is 100-20000 IOPS for `<code>io1</code>` volumes and 100-10000 IOPS for `<code>gp2</code>` volumes. Condition: This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
),
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesIamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>Describes an IAM instance profile for a Scheduled Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Arn" : {
 "deprecated" : false,
 "documentation" : "<p>The Amazon Resource Name (ARN).</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlnsNamespace" : null
 },
 "Name" : {
 "deprecated" : false,
 "documentation" : "<p>The name.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlnsNamespace" : null
 },
 "description" : "<p>The description.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlnsNamespace" : null
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},
"ScheduledInstancesIamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>Describes an IAM instance profile for a Scheduled Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Arn" : {
 "deprecated" : false,
 "documentation" : "<p>The Amazon Resource Name (ARN).</p>",
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 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : false,
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 "shape" : "String",
 "streaming" : false,
 "xmlnsNamespace" : null
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 "Name" : {
 "deprecated" : false,
 "documentation" : "<p>The name.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlnsNamespace" : null
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},
"ScheduledInstancesIamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>Describes an IAM instance profile for a Scheduled Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"Arn" : {
 "deprecated" : false,
 "documentation" : "<p>The Amazon Resource Name (ARN).</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : null,
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlnsNamespace" : null
 },
 "Name" : {
 "deprecated" : false,
 "documentation" : "<p>The name.</p>"},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}]
,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesIpv6Address" : {
"deprecated" : false,
"documentation" : "<p>Describes an IPv6 address.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Ipv6Address" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Ipv6Address",
"streaming" : false,
"xmlNamespace" : null
}]
,
"min" : 0,
"pattern" : null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ScheduledInstancesIpv6AddressList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Ipv6Address",
"payload": false,
"queryName": null,
"shape": "ScheduledInstancesIpv6Address",
"streaming": false,
"xmlNamespace": null
},
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"ScheduledInstancesLaunchSpecification": {
"deprecated": false,
"documentation": "Describes the launch specification for a Scheduled Instance. If you are launching
the Scheduled Instance in EC2-VPC, you must specify the ID of the subnet. You can specify the subnet using either
<code>SubnetId</code> or <code>NetworkInterface</code>.",
"enum": null,
"error": null,
"exception": false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "BlockDeviceMappings" : {
    "deprecated" : false,
    "documentation" : "<p>One or more block device mapping entries.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "BlockDeviceMapping",
    "payload" : false,
    "queryName" : null,
    "shape" : "ScheduledInstancesBlockDeviceMappingSet",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "EbsOptimized" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides
    dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
    performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
    EBS-optimized instance.</p> <p>Default: <code>false</code></p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "IamInstanceProfile" : {
    "deprecated" : false,
    "documentation" : "<p>The IAM instance profile.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "ScheduledInstancesIamInstanceProfile",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"ImageId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the Amazon Machine Image (AMI).</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},

"InstanceType" : {
    "deprecated" : false,
    "documentation" : "<p>The instance type.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},

"KernelId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the kernel.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},

"KeyName" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Monitoring" : {
"deprecated" : false,
"documentation" : "<p>Enable or disable monitoring for the instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesMonitoring",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaces" : {
"deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "NetworkInterface",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesNetworkInterfaceSet",
"streaming" : false,
"xmlNamespace" : null
},
"Placement" : {
"deprecated" : false,
"documentation" : "<p>The placement information.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesPlacement",
"streaming" : false,
"xmlNamespace" : null
},
"RamdiskId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"flattened" : false,
"idempotencyToken" : false,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ImageId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesMonitoring" : {
"deprecated" : false,
"documentation" : "<p>Describes whether monitoring is enabled for a Scheduled Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Enabled" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether monitoring is enabled.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesNetworkInterface" : {
"deprecated" : false,
"documentation" : "<p>Describes a network interface for a Scheduled Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AssociatePublicIpAddress" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is &lt;code&gt;true&lt;/code&gt;.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "DeleteOnTermination" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "deprecated" : false,
    "documentation" : "<p>The description.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
  }
}
"DeviceIndex": {
  "deprecated": false,
  "documentation": "<p>The index of the device for the network interface attachment.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": false
},
"Groups": {
  "deprecated": false,
  "documentation": "<p>The IDs of one or more security groups.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "Group",
  "payload": false,
  "queryName": null,
  "shape": "ScheduledInstancesSecurityGroupIdSet",
  "streaming": false,
  "xmlNamespace": false
},
"Ipv6AddressCount": {
  "deprecated": false,
  "documentation": "<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": false
},
"Ipv6Addresses": {
  "deprecated": false,
  "documentation": "<p>One or more specific IPv6 addresses from the subnet range.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName" : "Ipv6Address",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesIpv6AddressList",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddressConfigs" : {
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 addresses.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "PrivateIpAddressConfig",
  "payload" : false,
  "queryName" : null,
  "shape" : "PrivateIpAddressConfigSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecondaryPrivateIpAddressCount" : {
"documentation" : "<p>The number of secondary private IPv4 addresses.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"ScheduledInstancesNetworkInterfaceSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "NetworkInterface",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesNetworkInterface",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesPlacement" : {
"deprecated" : false,
"documentation" : "<p>Describes the placement for a Scheduled Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"GroupName" : {
"deprecated" : false,
"documentation" : "<p>The name of the placement group.</p>",
"flattened" : false,
“idempotencyToken” : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesPrivateIpAddressConfig" : {
"deprecated" : false,
"documentation" : "<p>Describes a private IPv4 address for a Scheduled Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Primary" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
},
"PrivateIpAddress" : {
"deprecated" : false,
"documentation" : "<p>The IPv4 address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
"flatte\n"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesSecurityGroupIdSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "SecurityGroupId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SecurityGroup" : {
"deprecated" : false,
"documentation" : "<p>Describes a security group</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Description" : {
    "deprecated" : false,
    "documentation" : "<p>A description of the security group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupDescription",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "GroupId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the security group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "GroupName" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the security group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"GroupId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"GroupName" : {
"deprecated" : false,
"documentation" : "<p>The name of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location": null,
"locationName": "groupName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"IpPermissions": {
  "deprecated": false,
  "documentation": "<p>One or more inbound rules associated with the security group.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ipPermissions",
  "payload": false,
  "queryName": null,
  "shape": "IpPermissionList",
  "streaming": false,
  "xmlNamespace": null
},
"IpPermissionsEgress": {
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ipPermissionsEgress",
  "payload": false,
  "queryName": null,
  "shape": "IpPermissionList",
  "streaming": false,
  "xmlNamespace": null
},
"OwnerId": {
  "deprecated": false,
  "documentation": "<p>The AWS account ID of the owner of the security group.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ownerId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Tags": {

"deprecated": false,
"documentation": "<p>Any tags assigned to the security group.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tagSet",
"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "<p>[EC2-VPC] The ID of the VPC for the security group.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SecurityGroupIdStringList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "SecurityGroupId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNameSpace": null
},
"members": [{}],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"SecurityGroupList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "SecurityGroup",
"streaming": false,
"xmlnsNameSpace": null
},
"members": [{}],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"SecurityGroupReference": {
  "deprecated": false,
  "documentation": "<p>Describes a VPC with a security group that references your security group.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "GroupId": {
      "deprecated": false,
      "documentation": "<p>The ID of your security group.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "groupId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "ReferencingVpcId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC with the referencing security group.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "referencingVpcId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "VpcPeeringConnectionId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC peering connection.</p>",
      "flattened": false,
      "idempotencyToken": false,
"location": null,
"locationName": "vpcPeeringConnectionId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
,
"min": 0,
"pattern": null,
"payload": null,
"required": ["GroupId", "ReferencingVpcId"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
",
"SecurityGroupReferences": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "SecurityGroupReference",
"streaming": false,
"xmlNamespace": null
}
,
"members": { }
,
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list"
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"SlotDateTimeRangeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the time period for a Scheduled Instance to start its first schedule. The time period must span less than one day.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "EarliestTime" : {
      "deprecated" : false,
      "documentation" : "<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "DateTime",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "LatestTime" : {
      "deprecated" : false,
      "documentation" : "<p>The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "DateTime",
      "streaming" : false,
      "xmlNamespace" : null
  },
"SlotStartTimeRangeRequest" : {
  "deprecated" : false,
  "documentation" : "Describes the time period for a Scheduled Instance to start its first schedule.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "EarliestTime" : {
      "deprecated" : false,
      "documentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "DateTime",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "LatestTime" : {
      "deprecated" : false,
      "documentation" : "The latest date and time, in UTC, for the Scheduled Instance to start.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "DateTime",
      "streaming" : false,
      "xmlNamespace" : null
"Encrypted" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "encrypted",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"KmsKeyId" : {
  "deprecated" : false,
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kmsKeyId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"OwnerAlias" : {
  "deprecated" : false,
  "documentation" : "<p>Value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ownerAlias",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"OwnerId" : {
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ownerId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"Progress" : {
  "deprecated" : false,
  "documentation" : "<p>The progress of the snapshot, as a percentage.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "progress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"SnapshotId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "snapshotId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"StartTime" : {
  "deprecated" : false,
  "documentation" : "<p>The time stamp when the snapshot was initiated.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "startTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The snapshot state.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "SnapshotState",
"streaming" : false,
"xmlNamespace" : null
},
"StateMessage" : {
"deprecated" : false,
"documentation" : "<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeId" : {
"deprecated" : false,
"documentation": "<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumeId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VolumeSize": {
"deprecated": false,
"documentation": "<p>The size of the volume, in GiB.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumeSize",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SnapshotAttributeName": {
"deprecated": false,
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
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"min": 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"SnapshotDetail" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;Describes the snapshot created from the imported disk.&lt;/p&gt;",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
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"member" : null,
"members" : {
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    "deprecated" : false,
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    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "description",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "DeviceName" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The block device mapping for the snapshot.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "deviceName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "DiskImageSize" : {
    "deprecated" : false,
"documentation": "<p>The size of the disk in the snapshot, in GiB.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "diskImageSize",
"payload": false,
"queryName": null,
"shape": "Double",
"streaming": false,
"xmlNamespace": null
},
"Format": {
"deprecated": false,
"documentation": "<p>The format of the disk image from which the snapshot is created.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "format",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Progress": {
"deprecated": false,
"documentation": "<p>The percentage of progress for the task.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "progress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SnapshotId": {
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"documentation": "<p>The snapshot ID of the disk being imported.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "snapshotId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace" : null,
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  "documentation" : "\nA brief status of the snapshot creation.\n",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"StatusMessage" : {
  "deprecated" : false,
  "documentation" : "\nA detailed status message for the snapshot creation.\n",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "statusMessage",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Url" : {
  "deprecated" : false,
  "documentation" : "\nThe URL used to access the disk image.\n",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "url",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"UserBucket" : {
  "deprecated" : false,
  "documentation" : "\nThe S3 bucket for the disk image.\n",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "userBucket",
}
"SnapshotDiskContainer" : {
"deprecated" : false,
"documentation" : "<p>The disk container object for the import snapshot request.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"Description" : {
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"documentation" : "<p>The description of the disk image being imported.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {
"deprecated" : false,
"documentation" : "<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Url" : {
"deprecated" : false,
"documentation" : "<p>The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the disk image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "UserBucket",
  "streaming" : false,
  "xmlNamespace" : null
}
},
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"SnapshotIdStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
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    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "SnapshotId",
    "payload" : false,
    "queryName" : null,
    "shape" : "SnapshotId",
    "streaming" : true,
"deprecated": false,
"documentation": null,
"enum": [ "pending", "completed", "error" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false,
"SnapshotTaskDetail": {
"deprecated": false,
"documentation": "Details about the import snapshot task.\n",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Description": {
"deprecated": false,
"documentation": "The description of the snapshot.\n",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"DiskImageSize": {
"deprecated": false,
"documentation": "The size of the disk in the snapshot, in GiB.\n",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "diskImageSize",
"payload" : false,
"queryName" : null,
"shape" : "Double",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {
  "deprecated" : false,
  "documentation" : "<p>The format of the disk image from which the snapshot is created.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "format",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Progress" : {
  "deprecated" : false,
  "documentation" : "<p>The percentage of completion for the import snapshot task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "progress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SnapshotId" : {
  "deprecated" : false,
  "documentation" : "<p>The snapshot ID of the disk being imported.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "snapshotId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : false}
"Status" : {
  "deprecated" : false,
  "documentation" : "<p>A brief status for the import snapshot task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"StatusMessage" : {
  "deprecated" : false,
  "documentation" : "<p>A detailed status message for the import snapshot task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "statusMessage",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Url" : {
  "deprecated" : false,
  "documentation" : "<p>The URL of the disk image from which the snapshot is created.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "url",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"UserBucket" : {
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the disk image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "userBucket",
  "payload" : false,
"queryName" : null,
"shape" : "UserBucketDetails",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"SpotDatafeedSubscription" : {
"deprecated" : false,
"documentation" : "<p>Describes the data feed for a Spot instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : false,
"max" : 0,
"member" : null,
"members" : {
"Bucket" : {
"deprecated" : false,
"documentation" : "<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bucket",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Fault" : {
"deprecated" : false,
"documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "fault",
"payload" : false,
"queryName": null,
"shape": "SpotInstanceStateFault",
"streaming": false,
"xmlNamespace": null
},
"OwnerId": {
"deprecated": false,
"documentation": "<p>The AWS account ID of the account.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "OwnerId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Prefix": {
"deprecated": false,
"documentation": "<p>The prefix that is prepended to data feed files.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "prefix",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"State": {
"deprecated": false,
"documentation": "<p>The state of the Spot instance data feed subscription.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "state",
"payload": false,
"queryName": null,
"shape": "DatafeedSubscriptionState",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SpotFleetLaunchSpecification": {
"deprecated": false,
"documentation": "<p>Describes the launch specification for one or more Spot instances.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AddressingType": {
"deprecated": false,
"documentation": "<p>Deprecated.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "addressingType",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"BlockDeviceMappings": {
"deprecated": false,
"documentation": "<p>One or more block device mapping entries.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "blockDeviceMapping",
"payload": false,
"queryName": null,
"shape": "BlockDeviceMappingList",
"streaming": false,
"xmlNamespace": null
},
"EbsOptimized": {
"deprecated": false,
"documentation": "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O"
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

```xml
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ebsOptimized",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"IamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iamInstanceProfile",
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfileSpecification",
"streaming" : false,
"xmlNamespace" : null
},
"ImageId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the AMI.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "imageId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceType" : {
"deprecated" : false,
"documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "InstanceType",
"streaming" : false,
"xmlNamespace" : null
}
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"streaming": false,
"xmlNamespace": null
},
"KeyId": {
"deprecated": false,
"documentation": "<p>The ID of the kernel.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "kernelId",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"KeyName": {
"deprecated": false,
"documentation": "<p>The name of the key pair.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "keyName",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Monitoring": {
"deprecated": false,
"documentation": "<p>Enable or disable monitoring for the instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "monitoring",
"payload": false,
"queryString": null,
"shape": "SpotFleetMonitoring",
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaces": {
"deprecated": false,
"documentation": "<p>One or more network interfaces. If you specify a network interface, you must specify
subnet IDs and security group IDs using the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "networkInterfaceSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceNetworkInterfaceSpecificationList",
"streaming" : false,
"xmlNamespace" : null
},

"Placement" : {
  "deprecated" : false,
  "documentation" : "The placement information.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "placement",
  "payload" : false,
  "queryName" : null,
  "shape" : "SpotPlacement",
  "streaming" : false,
  "xmlNamespace" : null
},

"RamdiskId" : {
  "deprecated" : false,
  "documentation" : "The ID of the RAM disk.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ramdiskId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"SecurityGroups" : {
  "deprecated" : false,
  "documentation" : "One or more security groups. When requesting instances in a VPC, you must specify
  the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of
  the security groups.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "groupSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "GroupIdentifierList",
  "streaming" : false,
  "xmlNamespace" : null
}
"SpotPrice" : {
  "deprecated" : false,
  "documentation" : "The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
},

"SubnetId" : {
  "deprecated" : false,
  "documentation" : "The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, \"subnet-a61dafcf, subnet-65ea5f08\".",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "subnetId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
},

"UserData" : {
  "deprecated" : false,
  "documentation" : "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "userData",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
},

"WeightedCapacity" : {
  "deprecated" : false,
  "documentation" : "The number of units provided by the specified instance type. These are the same units
that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "weightedCapacity",
"payload" : false,
"queryName" : null,
"shape" : "Double",
"streaming" : false,
"xmlNamespace" : null
}

,"SpotFleetMonitoring" : {
"deprecated" : false,
"documentation" : "Describes whether monitoring is enabled.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Enabled" : {
"deprecated" : false,
"documentation" : "Enables monitoring for the instance. Default: false",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "enabled",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
"SpotFleetRequestConfig": {
  "deprecated": false,
  "documentation": "<p>Describes a Spot fleet request.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ActivityStatus": {
      "deprecated": false,
      "documentation": "<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "activityStatus",
      "payload": false,
      "queryName": null,
      "shape": "ActivityStatus",
      "streaming": false,
      "xmlNamespace": null
    },
    "CreateTime": {
      "deprecated": false,
      "documentation": "<p>The creation date and time of the request.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "createTime",
      "payload": false,
      "queryName": null,
      "shape": "DateTime",
      "streaming": false
    }
  }
}
"streaming": false,
"xmlNamespace": null
},
"SpotFleetRequestConfig": {
"deprecated": false,
"documentation": "<p>Information about the configuration of the Spot fleet request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "SpotFleetRequestConfig",
"payload": false,
"queryName": null,
"shape": "SpotFleetRequestConfigData",
"streaming": false,
"xmlNamespace": null
},
"SpotFleetRequestId": {
"deprecated": false,
"documentation": "<p>The ID of the Spot fleet request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "SpotFleetRequestId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SpotFleetRequestState": {
"deprecated": false,
"documentation": "<p>The state of the Spot fleet request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "SpotFleetRequestState",
"payload": false,
"queryName": null,
"shape": "BatchState",
"streaming": false,
"xmlNamespace": null
}
]
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "SpotFleetRequestId", "SpotFleetRequestState", "SpotFleetRequestConfig", "CreateTime" ],
"streaming": false,
"SpotFleetRequestConfigData": {
  "AllocationStrategy": {
    "documentation": "Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "allocationStrategy",
    "payload": false,
    "queryName": null,
    "shape": "AllocationStrategy",
    "streaming": false,
    "xmlNamespace": null
  },
  "ClientToken": {
    "documentation": "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "clientToken",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "ExcessCapacityTerminationPolicy": {
    "deprecated": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": null,
    "streaming": false,
    "xmlNamespace": null
  }
}
"documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "excessCapacityTerminationPolicy",
"payload" : false,
"queryName" : null,
"shape" : "ExcessCapacityTerminationPolicy",
"streaming" : false,
"xmlNamespace" : null
},
"FulfilledCapacity" : {
"deprecated" : false,
"documentation" : "<p>The number of units fulfilled by this request compared to the set target capacity.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "fulfilledCapacity",
"payload" : false,
"queryName" : null,
"shape" : "Double",
"streaming" : false,
"xmlNamespace" : null
},
"IamFleetRole" : {
"deprecated" : false,
"documentation" : "<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iamFleetRole",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"LaunchSpecifications" : {
"deprecated" : false,
"documentation" : "<p>Information about the launch specifications for the Spot fleet request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "launchSpecifications",
"payload" : false,
"queryName" : null,
"shape" : "LaunchSpecsList",
"streaming" : false,
"xmlNamespace" : null
},
"ReplaceUnhealthyInstances" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether Spot fleet should replace unhealthy instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "replaceUnhealthyInstances",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"SpotPrice" : {
"deprecated" : false,
"documentation" : "<p>The bid price per unit hour.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"TargetCapacity" : {
"deprecated" : false,
"documentation" : "<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "targetCapacity",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"TerminateInstancesWithExpiration" : {
"deprecated" : false,
Indicates whether running Spot instances should be terminated when the Spot fleet request expires.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The start date and time of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). The default is to start fulfilling the request immediately.

The end date and time of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
At this point, no new Spot instance requests are placed or enabled to fulfill the request.

```xml
<TMM:DD:HH:mm:ssZ). At this point, no new Spot instance requests are placed or enabled to fulfill the request.

"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "validUntil",
"payload": false,
"queryString": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
}
}
"min": 0,
"pattern": null,
"payload": null,
"required": [ "SpotPrice", "TargetCapacity", "IamFleetRole", "LaunchSpecifications" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}

"SpotFleetRequestConfigSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryString": null,
"shape": "SpotFleetRequestConfig",
"streaming": false,
"xmlNamespace": null
}

"members": [],
"min": 0,
"pattern": null,
```
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false }
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"SpotInstanceRequest" : {
"deprecated" : false,
"documentation" : "<p>Describes a Spot instance request.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ActualBlockHourlyPrice" : {
"deprecated" : false,
"documentation" : "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "actualBlockHourlyPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null }
},
"AvailabilityZoneGroup" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availabilityZoneGroup",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null }
,
"BlockDurationMinutes" : {

"deprecated" : false,
"documentation" : "<p>The duration for the Spot instance, in minutes.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "blockDurationMinutes",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"CreateTime" : {
"deprecated" : false,
"documentation" : "<p>The date and time when the Spot instance request was created, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "createTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"Fault" : {
"deprecated" : false,
"documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "fault",
"payload" : false,
"queryName" : null,
"shape" : "SpotInstanceStateFault",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"LaunchGroup": {
  "deprecated": false,
  "documentation": "The instance launch group. Launch groups are Spot instances that launch together and terminate together.\\n\\n  \"\", "flattened": false, "idempotencyToken": false, "location": null, "locationName": "launchGroup", "payload": false, "queryName": null, "shape": "String", "streaming": false, "xmlNamespace": null
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"LaunchSpecification": {
  "deprecated": false, "documentation": "Additional information for launching instances.\\n\\n  \"\", "flattened": false, "idempotencyToken": false, "location": null, "locationName": "launchSpecification", "payload": false, "queryName": null, "shape": "LaunchSpecification", "streaming": false, "xmlNamespace": null
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"LaunchedAvailabilityZone": {
  "deprecated": false, "documentation": "The Availability Zone in which the bid is launched.\\n\\n  \"\", "flattened": false, "idempotencyToken": false, "location": null, "locationName": "launchedAvailabilityZone", "payload": false, "queryName": null, "shape": "String", "streaming": false, "xmlNamespace": null
},
"ProductDescription": {
  "deprecated": false, "documentation": "The product description associated with the Spot instance.\\n\\n  \"\"
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "productDescription",
"payload": false,
"queryString": null,
"shape": "RIProductDescription",
"streaming": false,
"xmlNamespace": null
},
"SpotInstanceRequestId": {
  "deprecated": false,
  "documentation": "<p>The ID of the Spot instance request.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "spotInstanceRequestId",
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"SpotPrice": {
  "deprecated": false,
  "documentation": "<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "spotPrice",
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"State": {
  "deprecated": false,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
"queryName": null,
"shape": "SpotInstanceState",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>The status code and status message describing the Spot instance request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "SpotInstanceStatus",
"streaming": false,
"xmlNamespace": null
}
},
"Tags": {
"deprecated": false,
"documentation": "<p>Any tags assigned to the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tagSet",
"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
}
},
"Type": {
"deprecated": false,
"documentation": "<p>The Spot instance request type.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "type",
"payload": false,
"queryName": null,
"shape": "SpotInstanceType",
"streaming": false,
"xmlNamespace": null
}
},
"ValidFrom": {
"deprecated": false,
"documentation": "<p>The start date of the request, in UTC format (for example, <i>YYYY-MM-DD</i>-<i>HH:MM:SS</i>Z). The request becomes active at this date and

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time.</p>,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "validFrom",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"ValidUntil" : {
"deprecated" : false,
"documentation" : "The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "validUntil",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"SpotInstanceRequestIdList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
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"member" : {
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
},
"SpotInstanceRequestIdIdList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
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"fault" : false,
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"key" : null,
"max" : 0,
"member" : {

"deprecated" : false,
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"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"members" : { },
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"payload" : null,
"required" : null,
"streaming" : false,
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"value" : null,
"wrapper" : false
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"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "SpotInstanceRequest",
"streaming" : false,
"xmlNamespace" : null
}
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SpotInstanceState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "open", "active", "closed", "cancelled", "failed" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"SpotInstanceStateFault" : {
"deprecated" : false,
"documentation" : "Describes a Spot instance state change.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Code" : {
"deprecated" : false,
"documentation" : "The reason code for the Spot instance state change.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "code",
"payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Message": {
  "deprecated": false,
  "documentation": "The message for the Spot instance state change.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "message",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},

"SpotInstanceStatus": {
  "deprecated": false,
  "documentation": "Describes the status of a Spot instance request.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Code": {
      "deprecated": false,
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"locationName" : "code",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"Message" : {
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"documentation" : "<p>The description for the status code.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "message",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UpdateTime" : {
"deprecated" : false,
"documentation" : "<p>The date and time of the most recent status update, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "updateTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"SpotInstanceType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "one-time", "persistent" ],
The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `<code>dedicated</code>` runs on single-tenant hardware. The `<code>host</code>` tenancy is not supported for Spot instances.

Describes the maximum hourly price (bid) for any Spot instance launched to fulfill the request.

Describes the maximum hourly price (bid) for any Spot instance launched to fulfill the request.
"documentation": "<p>The Availability Zone.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"ProductDescription": {
"deprecated": false,
"documentation": "<p>A general description of the AMI.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "productDescription",
"payload": false,
"queryName": null,
"shape": "RIProductDescription",
"streaming": false,
"xmlNamespace": null
},
"SpotPrice": {
"deprecated": false,
"documentation": "<p>The maximum price (bid) that you are willing to pay for a Spot instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Timestamp": {
  "deprecated": false,
  "documentation": "<p>The date and time the request was created, in UTC format (for example, \texttt{YYYY-MM-DDTHH:MM:SSZ}).</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "timestamp",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
}
},
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"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SpotPriceHistoryList": {
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  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
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    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "SpotPrice",
    "streaming": false,
    "xmlNamespace": null
}
"StaleIpPermission": {
  "deprecated": false,
  "documentation": "<p>Describes a stale rule in a security group.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "FromPort": {
      "deprecated": false,
      "documentation": "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;1&lt;/code&gt; indicates all ICMP types.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "fromPort",
      "payload": false,
      "queryName": null,
      "shape": "Integer",
      "streaming": false,
      "xmlNamespace": null
    },
    "IpProtocol": {
      "deprecated": false,
      "documentation": "<p>The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers)&lt;/a&gt;.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "ipProtocol",
      "payload": false,
      "queryName": null,
      "required": null,
      "streaming": false,
      "type": "list",
      "value": null,
      "wrapper": false
    }
  }
},
"members": {},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
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"value": null,
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}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"IpRanges" : {
  "deprecated" : false,
  "documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipRanges",
  "payload" : false,
  "queryName" : null,
  "shape" : "IpRanges",
  "streaming" : false,
  "xmlNamespace" : null
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"PrefixListIds" : {
  "deprecated" : false,
  "documentation" : "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "prefixListIds",
  "payload" : false,
  "queryName" : null,
  "shape" : "PrefixListIdSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"ToPort" : {
  "deprecated" : false,
  "documentation" : "<p>The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "toPort",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"UserIdGroupPairs" : {
  "deprecated" : false,
  "documentation" : "<p>One or more security group pairs. Returns the ID of the referenced security group and
VPC, and the ID and status of the VPC peering connection.

"flattened" : false,
"idempotencyToken" : false,
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"locationName" : "groups",
"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
}
}
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"StaleIpPermissionSet" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
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"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "StaleIpPermission",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"documentation": "<p>Describes a stale security group (a security group that contains stale rules).</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Description": {
    "deprecated": false,
    "documentation": "<p>The description of the security group.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "description",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "GroupId": {
    "deprecated": false,
    "documentation": "<p>The ID of the security group.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "groupId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "GroupName": {
    "deprecated": false,
    "documentation": "<p>The name of the security group.</p>",
    "flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StaleIpPermissions" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the stale inbound rules in the security group.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "staleIpPermissions",
  "payload" : false,
  "queryName" : null,
  "shape" : "StaleIpPermissionSet",
  "streaming" : false,
  "xmlNamespace" : null
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"StaleIpPermissionsEgress" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the stale outbound rules in the security group.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "staleIpPermissionsEgress",
  "payload" : false,
  "queryName" : null,
  "shape" : "StaleIpPermissionSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC for the security group.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
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"value": null,
"wrapper": false
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"documentation": null,
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
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"locationName": "item",
"payload": false,
"queryName": null,
"shape": "StaleSecurityGroup",
"streaming": false,
"xmlNamespace": null
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"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"deprecated": false,
"documentation": "<p>Contains the parameters for StartInstances.</p>",
"enum": null,
"error": null,
"value": null,
"wrapper": false
},
"StateReason": {
"deprecated": false,
"documentation": "<p>Describes a state change.</p>"
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Code": {
"deprecated": false,
"documentation": "<p>The reason code for the state change.</p>
"flattened": false,
"idempotencyToken": false,
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"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
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"deprecated": false,
"documentation": "<p>The message for the state change.</p>
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "message",
"payload": false,
"queryName": null,
"shape": null,
"streaming": false,
"xmlNamespace": null
}
},
"Server.InsufficientInstanceCapacity": "There was insufficient instance capacity to satisfy the launch request."
"Server.InternalError": "An internal error occurred during instance launch, resulting in termination."
"Server.ScheduledStop": "The instance was stopped due to a scheduled retirement."
"Server.SpotInstanceTermination": "A Spot instance was terminated due to an increase in the market price."
"Client.InternalError": "A client error caused the instance to terminate on launch."
"Client.InsufficientInstanceCapacity": "The instance was shut down using the <code>shutdown -h</code> command from the instance."
"Client.UserInitiatedShutdown": "The instance was shut down using the Amazon EC2 API."
"Client.VolumeLimitExceeded": "The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits."
"Client.InvalidSnapshot.NotFound": "The specified snapshot was not found."
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"idempotencyToken": false,
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"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
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"fault" : false,
"flattened" : false,
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"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
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"deprecated" : false,
"documentation" : null,
"enum" : [ "reachability" ],
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"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { }
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
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"deprecated" : false,
"documentation" : null,
"enum" : [ "passed", "failed", "insufficient-data", "initializing" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"StopInstancesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for StopInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { }
"Force" : {
"deprecated" : false,
"documentation" : "<p>Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p> <p>Default: <code>false</code></p>",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "force",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
}

"InstanceIds": {
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  "documentation": "<p>One or more instance IDs.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "InstanceId",
  "payload": false,
  "queryName": null,
  "shape": "InstanceIdStringList",
  "streaming": false,
  "xmlNamespace": null
}

"StopInstancesResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of StopInstances.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
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      "deprecated": false,
      "documentation": "<p>Information about one or more stopped instances.</p>",
      "flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instancesSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStateChangeList",
"streaming" : false,
"xmlNamespace" : null
}
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"min" : 0,
"pattern" : null,
"payload" : false,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"Storage" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the storage location for an instance store-backed AMI.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "S3" : {
      "deprecated" : false,
      "documentation" : "<p>An Amazon S3 storage location.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "S3Storage",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
",
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"String" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}

"Subnet" : {
"deprecated" : false,
"documentation" : "<p>Describes a subnet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssignIpv6AddressOnCreation" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether a network interface created in this subnet (including a network interface created by &lt;a&gt;RunInstances&lt;/a&gt;) receives an IPv6 address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "assignIpv6AddressOnCreation",
"payload" : false,
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  "documentation": "The Availability Zone of the subnet.",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "availabilityZone",  
  "payload": false,  
  "queryName": null,  
  "shape": "String",  
  "streaming": false,  
  "xmlNamespace": null  
},

"AvailableIpAddressCount": {  
  "deprecated": false,  
  "documentation": "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "availableIpAddressCount",  
  "payload": false,  
  "queryName": null,  
  "shape": "Integer",  
  "streaming": false,  
  "xmlNamespace": null  
},

"CidrBlock": {  
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  "documentation": "The IPv4 CIDR block assigned to the subnet.",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "cidrBlock",  
  "payload": false,  
  "queryName": null,  
  "shape": "String",  
  "streaming": false,  
  "xmlNamespace": null  
},  

"DefaultForAz": {  
  "deprecated": false,  
  "documentation": "Indicates whether this is the default subnet for the Availability Zone.",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "defaultForAz",  
  "payload": false,  
  "queryName": null,  
  "shape": "Boolean",  
  "streaming": false,  
  "xmlNamespace": null  
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "defaultForAz",
"payload" : false,
"queryString" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6CidrBlockAssociationSet" : {
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"documentation" : "<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlockAssociationSet",
"payload" : false,
"queryString" : null,
"shape" : "SubnetIpv6CidrBlockAssociationSet",
"streaming" : false,
"xmlNamespace" : null
},
"MapPublicIpOnLaunch" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "mapPublicIpOnLaunch",
"payload" : false,
"queryString" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The current state of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryString" : null,
"shape" : "SubnetState",
"streaming" : false,
"xmlNamespace" : null
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"SubnetId" : {
  "deprecated" : false,
  "documentation" : "The ID of the subnet.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "subnetId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Tags" : {
  "deprecated" : false,
  "documentation" : "Any tags assigned to the subnet.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "The ID of the VPC the subnet is in.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
} },
"value" : null,
"wrapper" : false
}

"SubnetCidrBlockState" : {
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  "documentation" : "Describes the state of a CIDR block.

<p>The state of a CIDR block.</p>",
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  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
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  "member" : null,
  "members" : {
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      "documentation" : "The state of a CIDR block.

<p>The state of a CIDR block.</p>",
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      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "state",
      "payload" : false,
      "queryName" : null,
      "shape" : "SubnetCidrBlockStateCode",
      "streaming" : false,
      "xmlnsNamespace" : null
    },
    "StatusMessage" : {
      "deprecated" : false,
      "documentation" : "A message about the status of the CIDR block, if applicable.

<p>A message about the status of the CIDR block, if applicable.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "statusMessage",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",}
"SubnetCidrBlockStateCode" : {  
  "deprecated" : false,  
  "documentation" : null,  
  "enum" : [ "associating", "associated", "disassociating", "disassociated", "failing", "failed" ],  
  "error" : null,  
  "exception" : false,  
  "fault" : false,  
  "flattened" : false,  
  "key" : null,  
  "max" : 0,  
  "member" : null,  
  "members" : { },  
  "min" : 0,  
  "pattern" : null,  
  "payload" : null,  
  "required" : null,  
  "streaming" : false,  
  "type" : "string",  
  "value" : null,  
  "wrapper" : false  
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  "documentation" : null,  
  "enum" : null,  
  "error" : null,  
  "exception" : false,  
  "fault" : false,  
  "flattened" : false,  
  "key" : null,  
  "max" : 0,  
  "member" : {  
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    "documentation" : null,  
    "flattened" : false,  
    "idempotencyToken" : false,  
    "location" : null,  
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    "payload" : false,  
    "queryName" : null,  
    "shape" : "String",  
    "streaming" : false,  
    "xmlnsNamespace" : null  
  },  
  "members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SubnetIpv6CidrBlockAssociation" : {
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"documentation" : "<p>Describes an IPv6 CIDR block associated with a subnet.</p>",
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AssociationId" : {
"deprecated" : false,
"documentation" : "<p>The association ID for the CIDR block.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
  },
  "Ipv6CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
  },
  "Ipv6CidrBlockState" : {
"min" : 0,
"deprecated" : false,
"documentation" : "Information about the state of the CIDR block.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlockState",
"payload" : false,
"queryName" : null,
"shape" : "SubnetCidrBlockState",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"SubnetIpv6CidrBlockAssociationSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
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"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "SubnetIpv6CidrBlockAssociation",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"SubnetList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryString": null,
"shape": "Subnet",
"streaming": false,
"xmlNamespace": null
},
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"SubnetState": {
"deprecated": false,
"documentation": null,
"enum": [ "pending", "available" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"SummaryStatus": {
  "deprecated": false,
  "documentation": null,
  "enum": ["ok", "impaired", "insufficient-data", "not-applicable", "initializing"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
},
"Tag": {
  "deprecated": false,
  "documentation": "<p>Describes a tag.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [],
  "Key": {
    "deprecated": false,
"documentation": "<p>The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code></p>", "flattened": false, "idempotencyToken": false, "location": null, "locationName": "key", "payload": false, "queryName": null, "shape": "String", "streaming": false, "xmlNamespace": null }, "Value": { "deprecated": false, "documentation": "<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>", "flattened": false, "idempotencyToken": false, "location": null, "locationName": "value", "payload": false, "queryName": null, "shape": "String", "streaming": false, "xmlNamespace": null }, "min": 0, "pattern": null, "payload": null, "required": null, "streaming": false, "type": "structure", "value": null, "wrapper": false }, "TagDescription": { "deprecated": false, "documentation": "<p>Describes a tag.</p>", "enum": null, "error": null, "exception": false, "fault": false, "flattened": false, "key": null, "max": 0, "member": null, "members": {}}
"Key" : {
  "deprecated" : false,
  "documentation" : "<p>The tag key.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "key",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ResourceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "resourceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ResourceType" : {
  "deprecated" : false,
  "documentation" : "<p>The resource type.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "resourceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "ResourceType",
  "streaming" : false,
  "xmlNamespace" : null
},
"Value" : {
  "deprecated" : false,
  "documentation" : "<p>The tag value.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "value",
  "payload" : false,
  "queryName" : null,
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"TagDescriptionList" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
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"max" : 0,
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"documentation" : null,
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"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "TagDescription",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
],
"TagList" : {
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception": false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "Tag",
  "streaming" : false,
  "xmlNamespace" : null 
},
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false 
},
  "TargetConfiguration" : { 
  "deprecated" : false,
  "documentation" : "<p>Information about the Convertible Reserved Instance offering.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceCount" : { 
      "deprecated" : false,
      "documentation" : "<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a requests</p>" 
    } 
  },
  "TargetConfiguration" : { 
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { 
    "InstanceCount" : {
      "deprecated" : false,
      "documentation" : "<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a requests</p>" 
    } 
  } 
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceCount",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"OfferingId" : {
  "deprecated" : false,
  "documentation" : "The ID of the Convertible Reserved Instance offering.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "offeringId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"TargetConfigurationRequest" : {
  "deprecated" : false,
  "documentation" : "Details about the target configuration.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceCount" : {
      "deprecated" : false,
      "documentation" : "The number of instances the Convertible Reserved Instance offering can be applied to.
    }
  }
}
This parameter is reserved and cannot be specified in a request.

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"OfferingId" : {
"deprecated" : false,
"documentation" : "The Convertible Reserved Instance offering ID.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
```

```
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "OfferingId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"TargetConfigurationRequestSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"documentation" : null,
"flattened" : false,
"type" : null
}
```
"idempotencyToken" : false,
"location" : null,
"locationName" : "TargetConfigurationRequest",
"payload" : false,
"queryName" : null,
"shape" : "TargetConfigurationRequest",
"streaming" : false,
"xmlNamespaces" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"TargetReservationValue" : {
"deprecated" : false,
"documentation" : "<p>The total value of the new Convertible Reserved Instances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservationValue" : {
"deprecated" : false,
"documentation" : "<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservationValue",
"payload" : false,
"queryName" : null,
"shape" : "ReservationValue",
"streaming" : false,
"xmlNamespace" : null
},
"TargetConfiguration" : {
"deprecated" : false,
"documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}.
"TelemetryStatus" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "UP", "DOWN" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"Tenancy" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "default", "dedicated", "host" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
}.
"TerminateInstancesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for TerminateInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceIds" : {
      "deprecated" : false,
      "documentation" : "<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "InstanceId",
      "payload" : false,
      "queryName" : null,
      "shape" : "InstanceIdStringList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "InstanceIds" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"TerminateInstancesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of TerminateInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {

"TerminatingInstances" : {
  "deprecated" : false,
  "documentation" : "<p>Information about one or more terminated instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instancesSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceStateChangeList",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"TrafficType" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "ACCEPT", "REJECT", "ALL" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"UnassignIpv6AddressesRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
}
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Ipv6Addresses" : {
    "deprecated" : false,
    "documentation" : "<p>The IPv6 addresses to unassign from the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ipv6Addresses",
    "payload" : false,
    "queryName" : null,
    "shape" : "Ipv6AddressList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "NetworkInterfaceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "networkInterfaceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId", "Ipv6Addresses" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UnassignIpv6AddressesResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "NetworkInterfaceId": {
    "deprecated": false,
    "documentation": "<p>The ID of the network interface.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "networkInterfaceId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "UnassignedIpv6Addresses": {
    "deprecated": false,
    "documentation": "<p>The IPv6 addresses that have been unassigned from the network interface.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "unassignedIpv6Addresses",
    "payload": false,
    "queryName": null,
    "shape": "Ipv6AddressList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"UnassignPrivateIpAddressesRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for UnassignPrivateIpAddresses.</p>",
  "enum": null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "NetworkInterfaceId" : {
        "deprecated" : false,
        "documentation" : "The ID of the network interface.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "networkInterfaceId",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "PrivateIpAddresses" : {
        "deprecated" : false,
        "documentation" : "The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "privateIpAddress",
        "payload" : false,
        "queryName" : null,
        "shape" : "PrivateIpAddressStringList",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId", "PrivateIpAddresses" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UnmonitorInstancesRequest" : {
    "deprecated" : false,
    "documentation" : "Contains the parameters for UnmonitorInstances.",

"idempotencyToken": false,
"location": null,
"locationName": "instancesSet",
"payload": false,
"queryName": null,
"shape": "InstanceMonitoringList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"UnsuccessfulItem": {
"deprecated": false,
"documentation": "<p>Information about items that were not successfully processed in a batch call.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Error": {
"deprecated": false,
"documentation": "<p>Information about the error.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "error",
"payload": false,
"queryName": null,
"shape": "UnsuccessfulItemError",
"streaming": false,
"xmlNamespace": null
},
"ResourceId": {
"deprecated": false,
"documentation": "<p>The ID of the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instancesSet",
"payload": false,
"queryName": null,
"shape": "instancesSet",
"streaming": false,
"xmlNamespace": null
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "resourceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Error" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UnsuccessfulItemError" : {
"deprecated" : false,
"documentation" : "Information about the error that occurred. For more information about errors, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/errors-overview.html">Error Codes</a>.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Code" : {
"deprecated" : false,
"documentation" : "The error code."},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "code",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"Message" : {
"deprecated" : false,
"documentation" : "The error message accompanying the error code."}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "message",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
]
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Code", "Message" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"UnsuccessfulItemList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItem",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"UnsuccessfulItemSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItem",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"UserBucket" : {
"deprecated" : false,
"documentation" : "<p>Describes the S3 bucket for the disk image.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member": null,
"members": {
  "S3Bucket": {
    "deprecated": false,
    "documentation": "The name of the S3 bucket where the disk image is located.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "S3Key": {
    "deprecated": false,
    "documentation": "The file name of the disk image.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"UserBucketDetails": {
  "deprecated": false,
  "documentation": "Describes the S3 bucket for the disk image.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"member" : null,
"members" : {
    "S3Bucket" : {
        "deprecated" : false,
        "documentation" : "<p>The S3 bucket from which the disk image was created.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "s3Bucket",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "S3Key" : {
        "deprecated" : false,
        "documentation" : "<p>The file name of the disk image.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "s3Key",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UserData" : {
    "deprecated" : false,
    "documentation" : "<p>Describes the user data for an instance.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
"member" : null,
"members" : {
  "Data" : {
    "deprecated" : false,
    "documentation" : "The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "data",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UserGroupStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "UserGroup",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}

"UserIdGroupPair": {
  "deprecated": false,
  "documentation": "Describes a security group and AWS account ID pair.\n  "\n  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "GroupId": {
      "deprecated": false,
      "documentation": "The ID of the security group.\n      "
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "groupId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "GroupName": {
      "deprecated": false,
      "documentation": "The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.\n      "
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "groupId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"UserUsed": {
  "members": [ ],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
}
"xmlNamespace" : null
},
"PeeringStatus" : {
  "deprecated" : false,
  "documentation" : "<p>The status of a VPC peering connection, if applicable.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "peeringStatus",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"UserId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p> <p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "userId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC for the referenced security group, if applicable.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcPeeringConnectionId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC peering connection, if applicable.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
"location": null,
"locationName": "vpcPeeringConnectionId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"UserIdGroupPairList": {
"deprecated": false,
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"error": null,
"exception": false,
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"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "UserIdGroupPair",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
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"payload": null,
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"type": "list",
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"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}
"VgwTelemetry" : {
"deprecated" : false,
"documentation" : "Describes telemetry for a VPN tunnel.
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AcceptedRouteCount" : {
"deprecated" : false,
"documentation" : "The number of accepted routes.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "acceptedRouteCount",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
},
"LastStatusChange" : {
"deprecated" : false,
"documentation" : "The date and time of the last change in status.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "lastStatusChange",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlnsNamespace" : null
},
"OutsideIpAddress" : {
"deprecated" : false,
"documentation" : "The Internet-routable IP address of the virtual private gateway's
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
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"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "outsideIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "The status of the VPN tunnel.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "TelemetryStatus",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "If an error occurs, a description of the error.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"VgwTelemetryList" : {
"deprecated" : false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "item",
  "payload": false,
  "queryName": null,
  "shape": "VgwTelemetry",
  "streaming": false,
  "xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VirtualizationType": {
  "deprecated": false,
  "documentation": null,
  "enum": ["hvm", "paravirtual"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [ ],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"Volume": {
"deprecated": false,
"documentation": "<p>Describes a volume.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Attachments": {
"deprecated": false,
"documentation": "<p>Information about the volume attachments.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attachmentSet",
"payload": false,
"queryName": null,
"shape": "VolumeAttachmentList",
"streaming": false,
"xmlNamespace": null
},
"AvailabilityZone": {
"deprecated": false,
"documentation": "<p>The Availability Zone for the volume.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"CreateTime": {
"deprecated": false,
"documentation": "<p>The time stamp when volume creation was initiated.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "createTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlnsNamespace": null
],
"Encrypted": {
"deprecated": false,
"documentation": "<p>Indicates whether the volume will be encrypted.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "encrypted",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlnsNamespace": null
],
"Iops": {
"deprecated": false,
"documentation": "<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "iops",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlnsNamespace": null
],
"KmsKeyId": {
"deprecated": false,
"documentation": "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>"",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "kmsKeyId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Size": {
"deprecated": false,
"documentation": "<p>The size of the volume, in GiBs.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "size",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"SnapshotId": {
"deprecated": false,
"documentation": "<p>The snapshot from which the volume was created, if applicable.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "snapshotId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"State": {
"deprecated": false,
"documentation": "<p>The volume state.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "VolumeState",
"streaming": false,
"xmlNamespace": null
},
"Tags": {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeType" : {
"deprecated" : false,
"documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeType",
"payload" : false,
"queryName" : null,
"shape" : "VolumeType",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper": false,
"VolumeAttachment": {
  "deprecated": false,
  "documentation": "<p>Describes volume attachment details.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AttachTime": {
      "deprecated": false,
      "documentation": "<p>The time stamp when the attachment initiated.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "attachTime",
      "payload": false,
      "queryName": null,
      "shape": "DateTime",
      "streaming": false,
      "xmlNamespace": null
    },
    "DeleteOnTermination": {
      "deprecated": false,
      "documentation": "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "deleteOnTermination",
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    },
    "Device": {
      "deprecated": false,
      "documentation": "<p>The device name.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "device",
      "payload": false,
      "queryName": null,
      "shape": "DeviceAttachment",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"State" : {
  "deprecated" : false,
  "documentation" : "<p>The attachment state of the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeAttachmentState",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"VolumeAttachmentList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "VolumeAttachment",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"VolumeAttachmentState": {
"deprecated": false,
"documentation": null,
"enum": [ "attaching", "attached", "detaching", "detached" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
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"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VolumeAttributeName" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "autoEnableIO", "productCodes" ],
"error" : null,
"exception" : false,
"fault" : false,
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VolumeDetail" : {
"deprecated" : false,
"documentation" : "<p>Describes an EBS volume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Size" : {
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p>",
"max" : 0,
"member" : null,
"members" : {},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "size",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Size" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VolumeIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VolumeId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VolumeList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "Volume",
"streaming": false,
"xmlNamespace": null
},
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VolumeModification": {
"deprecated": false,
"documentation": "Describes the modification status of an EBS volume. If the volume has never been modified, some element values will be null.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max" : 0,
"member" : null,
"members" : {
"EndTime" : {
  "deprecated" : false,
  "documentation" : "<p>Modification completion or failure time.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "endTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},
"ModificationState" : {
  "deprecated" : false,
  "documentation" : "<p>Current state of modification. Possible values are modify, modifying, optimizing, complete, failed. Modification state is null for unmodified volumes.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "modificationState",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeModificationState",
  "streaming" : false,
  "xmlNamespace" : null
},
"OriginalIops" : {
  "deprecated" : false,
  "documentation" : "<p>Original IOPS rate of the volume being modified.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "originalIops",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
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"OriginalSize" : {
  "deprecated" : false,
  "documentation" : "<p>Original size of the volume being modified.</p>",
  "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "originalSize",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"OriginalVolumeType" : {
"deprecated" : false,
"documentation" : "<p>Original EBS volume type of the volume being modified.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "originalVolumeType",
"payload" : false,
"queryName" : null,
"shape" : "VolumeType",
"streaming" : false,
"xmlNamespace" : null
},
"Progress" : {
"deprecated" : false,
"documentation" : "<p>Modification progress from 0 to 100%.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "progress",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
},
"StartTime" : {
"deprecated" : false,
"documentation" : "<p>Modification start time</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "startTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}.
"StatusMessage" : {
  "deprecated" : false,
  "documentation" : "<p>Generic status message on modification progress or failure.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "statusMessage",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"TargetIops" : {
  "deprecated" : false,
  "documentation" : "<p>Target IOPS rate of the volume being modified.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "targetIops",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"TargetSize" : {
  "deprecated" : false,
  "documentation" : "<p>Target size of the volume being modified.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "targetSize",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
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"TargetVolumeType" : {
  "deprecated" : false,
  "documentation" : "<p>Target EBS volume type of the volume being modified.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "targetVolumeType",
  "payload" : false,
  "queryName" : null,
"shape" : "VolumeType",
"streaming" : false,
"xmlnsNamespace" : null
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"VolumeId" : {
  "deprecated" : false,
  "documentation" : "<p>ID of the volume being modified.</p>",
  "streaming" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VolumeModificationList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "streamed" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "streamed" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "VolumeModification",
    "streaming" : false,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
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,"VolumeStatusAction" : {
"deprecated" : false,
"documentation" : "<p>Describes a volume status operation code.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Code" : {
"deprecated" : false,
"documentation" : "<p>The code identifying the operation, for example, <code>enable-volume-io</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "code",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description of the operation.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"EventId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the event associated with this operation.</p>"
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"locationName" : "eventId",
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"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"EventType" : {
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"documentation" : "<p>The event type associated with this operation.</p>",
"flattened" : false,
"idempotencyToken" : false,
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"locationName" : "eventType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VolumeStatusActionsList" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
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"key" : null,
"max" : 0,
"member" : {
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"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "VolumeStatusAction",
"streaming": false,
"xmlNamespace": null
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"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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,"VolumeStatusDetails": {
"deprecated": false,
"documentation": "<p>Describes a volume status.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ }
"Name": {
"deprecated": false,
"documentation": "<p>The name of the volume status.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "name",
"payload": false,
"queryName": null,
"shape": "VolumeStatusName",
"streaming": false,
"xmlNamespace": null
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,"Status": {
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"documentation": "<p>The intended status of the volume status.</p>",
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : null,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"VolumeStatusDetailsList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
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"documentation" : null,
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"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "VolumeStatusDetails",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list"
"value": null,
"wrapper": false
},

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  "deprecated": false,
  "documentation": "<p>Describes a volume status event.</p> ",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Description": {
      "deprecated": false,
      "documentation": "<p>A description of the event.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "description",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "EventId": {
      "deprecated": false,
      "documentation": "<p>The ID of this event.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "eventId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "EventType": {
      "deprecated": false,
      "documentation": "<p>The type of this event.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "eventType"}
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"NotAfter": {
  "deprecated": false,
  "documentation": "<p>The latest end time of the event.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "notAfter",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},
"NotBefore": {
  "deprecated": false,
  "documentation": "<p>The earliest start time of the event.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "notBefore",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"VolumeStatusEventsList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeStatusEvent",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VolumeStatusInfo" : {
  "deprecated" : false,
  "documentation" : "\n<p>Describes the status of a volume.</p>\n",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Details" : {
      "deprecated" : false,
      "documentation" : "\n<p>The details of the volume status.</p>\n",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "details",
      "payload" : false,
      "queryName" : null,
      "shape" : "VolumeStatusEvent",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"shape" : "VolumeStatusDetailsList",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The status of the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "VolumeStatusInfoStatus",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VolumeStatusInfoStatus" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "ok", "impaired", "insufficient-data" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VolumeStatusItem" : {
    "deprecated" : false,
    "documentation" : "<p>Describes the volume status.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Actions" : {
            "deprecated" : false,
            "documentation" : "<p>The details of the operation.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "actionsSet",
            "payload" : false,
            "queryName" : null,
            "shape" : "VolumeStatusActionsList",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "AvailabilityZone" : {
            "deprecated" : false,
            "documentation" : "<p>The Availability Zone of the volume.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "availabilityZone",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "Events" : {
            "deprecated" : false,
            "documentation" : "<p>A list of events associated with the volume.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "eventsSet",
            "payload" : false,
            "queryName" : null,
            "shape" : "VolumeStatusEventsList",
        }
    }
}
"streaming": false,
"xmlNamespace": null
},

"VolumeId": {
  "deprecated": false,
  "documentation": "<p>The volume ID.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "volumeId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},

"VolumeStatus": {
  "deprecated": false,
  "documentation": "<p>The volume status.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "volumeStatus",
  "payload": false,
  "queryName": null,
  "shape": "VolumeStatusInfo",
  "streaming": false,
  "xmlNamespace": null
}
},

"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"VolumeStatusList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeStatusItem",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VolumeStatusName" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "io-enabled", "io-performance" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"VolumeType" : {
  "deprecated" : false,
  "documentation" : null,
"enum": ["standard", "io1", "gp2", "sc1", "st1"],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {},
"min": 0,
"pattern": null,
"payload": null,
"required": false,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"Vpc": {
"deprecated": false,
"documentation": "<p>Describes a VPC.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"CidrBlock": {
"deprecated": false,
"documentation": "<p>The IPv4 CIDR block for the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "cidrBlock",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"DhcpOptionsId": {
"deprecated": false,
"documentation": "<p>The ID of the set of DHCP options you’ve associated with the VPC (or <code>default</code> if the default options are associated with the VPC).</p>",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "dhcpOptionsId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceTenancy" : {
  "deprecated" : false,
  "documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceTenancy",
  "payload" : false,
  "queryName" : null,
  "shape" : "Tenancy",
  "streaming" : false,
  "xmlNamespace" : null
},
"Ipv6CidrBlockAssociationSet" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipv6CidrBlockAssociationSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcIpv6CidrBlockAssociationSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"IsDefault" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "isDefault",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},

"State" : {
  "deprecated" : false,
  "documentation" : "<p>The current state of the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcState",
  "streaming" : false,
  "xmlNamespace" : null
},

"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},

"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"VpcAttachment" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an attachment between a virtual private gateway and a VPC.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "State" : {
      "deprecated" : false,
      "documentation" : "<p>The current state of the attachment.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "state",
      "payload" : false,
      "queryName" : null,
      "shape" : "AttachmentStatus",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "vpcId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
}
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VpcCidrBlockState" : {
 "deprecated" : false,
 "documentation" : "&lt;p&gt;Describes the state of a CIDR block.&lt;/p&gt;",
 "enum" : null,
 "error" : null,
 "exception" : false,
 "fault" : false,
 "flattened" : false,
 "key" : null,
 "max" : 0,
 "member" : null,
 "members" : {
 "State" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The state of the CIDR block.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcCidrBlockStateCode",
  "streaming" : false,
  "xmlNamespace" : null
 },
 "StatusMessage" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;A message about the status of the CIDR block, if applicable.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "statusMessage",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
 }
},
"min" : 0,
"pattern" : null,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Tags": {
"deprecated": false,
"documentation": "<p>Any tags assigned to the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tagSet",
"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"VpcClassicLinkIdList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "VpcId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VpcClassicLinkList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "VpcClassicLink",
    "streaming": false,
    "xmlNamespace": null
}
"VpcEndpoint" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a VPC endpoint.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CreationTimestamp" : {
      "deprecated" : false,
      "documentation" : "<p>The date and time the VPC endpoint was created.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "creationTimestamp",
      "payload" : false,
      "queryName" : null,
      "shape" : "DateTime",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "PolicyDocument" : {
      "deprecated" : false,
      "documentation" : "<p>The policy document associated with the endpoint.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "policyDocument",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"RouteTableIds": {
  "deprecated": false,
  "documentation": "One or more route tables associated with the endpoint.\</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "routeTableIdSet",
  "payload": false,
  "queryName": null,
  "shape": "ValueStringList",
  "streaming": false,
  "xmlNamespace": null
},
"ServiceName": {
  "deprecated": false,
  "documentation": "The name of the AWS service to which the endpoint is associated.\</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "serviceName",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"State": {
  "deprecated": false,
  "documentation": "The state of the VPC endpoint.\</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
  "queryName": null,
  "shape": "State",
  "streaming": false,
  "xmlNamespace": null
},
"VpcEndpointId": {
  "deprecated": false,
  "documentation": "The ID of the VPC endpoint.\</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "vpcEndpointId",
  "payload": false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC to which the endpoint is associated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcEndpointSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "VpcEndpoint",
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"documentation" : "<p>Describes an IPv6 CIDR block associated with a VPC.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AssociationId" : {
    "deprecated" : false,
    "documentation" : "<p>The association ID for the IPv6 CIDR block.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "associationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Ipv6CidrBlock" : {
    "deprecated" : false,
    "documentation" : "<p>The IPv6 CIDR block.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ipv6CidrBlock",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Ipv6CidrBlockState" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the state of the CIDR block.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ipv6CidrBlockState",
    "payload" : false,
    "queryName" : null,
    "shape" : "VpcCidrBlockState",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"Ipv6CidrBlockState" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the state of the CIDR block.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipv6CidrBlockState",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcCidrBlockState",
  "streaming" : false,
  "xmlNamespace" : null
}
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VpcPeeringConnectionId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcPeeringConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnectionList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "VpcPeeringConnection",
"streaming": false,
"xmlNamespace": null
},
"members": [
  
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VpcPeeringConnectionOptionsDescription": {
  
},
"VpcPeeringConnectionOptionsDescription": {
  "deprecated": false,
  "documentation": "Describes the VPC peering connection options."
},
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [  
  "AllowDnsResolutionFromRemoteVpc": {
    "deprecated": false,
    "documentation": "Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC."
  },
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "allowDnsResolutionFromRemoteVpc",
  "payload": false,
  "queryName": null,
  "shape": "Boolean",
  "streaming": false,
  "xmlNamespace": null
  },
  "AllowEgressFromLocalClassicLinkToRemoteVpc": {
    "deprecated": false,
"documentation" : "<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"AllowEgressFromLocalVpcToRemoteClassicLink" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "allowEgressFromLocalVpcToRemoteClassicLink",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnectionStateReason" : {
"deprecated" : false,
"documentation" : "<p>Describes the status of a VPC peering connection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [
"allowEgressFromLocalClassicLink",
"allowEgressFromLocalVpcToRemoteClassicLink"
]
"Code": {  
  "deprecated": false,  
  "documentation": "<p>The status of the VPC peering connection.</p>",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "code",  
  "payload": false,  
  "queryName": null,  
  "shape": "VpcPeeringConnectionStateReasonCode",  
  "streaming": false,  
  "xmlNamespace": null  
},  
"Message": {  
  "deprecated": false,  
  "documentation": "<p>A message that provides more information about the status, if applicable.</p>",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "message",  
  "payload": false,  
  "queryName": null,  
  "shape": "String",  
  "streaming": false,  
  "xmlNamespace": null  
}  
},  
"min": 0,  
"pattern": null,  
"payload": null,  
"required": null,  
"streaming": false,  
"type": "structure",  
"value": null,  
"wrapper": false  
},  
"VpcPeeringConnectionStateReasonCode": {  
  "deprecated": false,  
  "documentation": null,  
  "enum": [  
    "initiating-request",  
    "pending-acceptance",  
    "active",  
    "deleted",  
    "rejected",  
    "failed",  
    "expired",  
    "provisioning",  
    "deleting"  
  ],  
  "error": null,  
  "exception": false,  
  "fault": false,  
  "flattened": false,  
  "key": null,  
  "max": 0,  
  "member": null,  
  "pattern": null,  
  "payload": null,  
  "required": null,  
  "streaming": false,  
  "type": "list",  
  "value": null,  
  "wrapper": false  
}
"members" : [ 
    
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnectionVpcInfo" : {
  "deprecated" : false,
  "documentation" : "Describes a VPC in a VPC peering connection.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ 
    "CidrBlock" : {
      "deprecated" : false,
      "documentation" : "The IPv4 CIDR block for the VPC.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "cidrBlock",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Ipv6CidrBlockSet" : {
      "deprecated" : false,
      "documentation" : "The IPv6 CIDR block for the VPC.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ipv6CidrBlockSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "Ipv6CidrBlockSet",
      "streaming" : false,
      "xmlNamespace" : null
    }
  ]
}
"OwnerId" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the VPC owner.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ownerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PeeringOptions" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "peeringOptions",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcPeeringConnectionOptionsDescription",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false,
},
"VpcState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "pending", "available" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VpnConnection" : {
"deprecated" : false,
"documentation" : "Describes a VPN connection. \( </p> \)",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CustomerGatewayConfiguration" : {
"deprecated" : false,
"documentation" : "The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the \(<a>CreateVpnConnection</a>\) response; however, it's present in the \(<a>DescribeVpnConnections</a>\) response only if the VPN connection is in the \(<code>pending</code>\) or \(<code>available</code>\) state. \( </p> \),
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "customerGatewayConfiguration",
"payload" : false,
"queryName" : null,
"shape" : "String",}
"streaming": false,
"xmlNamespace": null
},
"CustomerGatewayId": {
"deprecated": false,
"documentation": "<p>The ID of the customer gateway at your end of the VPN connection.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "customerGatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Options": {
"deprecated": false,
"documentation": "<p>The VPN connection options.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "options",
"payload": false,
"queryName": null,
"shape": "VpnConnectionOptions",
"streaming": false,
"xmlNamespace": null
},
"Routes": {
"deprecated": false,
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"shape": "VpnStaticRouteList",
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"location": null,
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"queryName" : null,
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  "idempotencyToken" : false,
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  "locationName" : "tagSet",
  "payload" : false,
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  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
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"Type" : {
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  "flattened" : false,
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"location" : null,
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Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.

Describes a virtual private gateway.

This field may be empty or not returned.
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"Type" : {
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"min" : 0,
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"ZoneNameStringList" : {
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"error" : null,
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No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/models/ec2-2016-11-15-model.json

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/StatusType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ExportTaskStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CopySnapshotRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeImportSnapshotTasksResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/AutoPlacement.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/Storage.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeVpcClassicLinkDnsSupportResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CancelBundleTaskResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CancelBundleTaskResultStaxUnmarshaller.java
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jar/com/amazonaws/services/ec2/model/transform/SpotDatafeedSubscriptionStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeVpcEndpointServicesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ImportSnapshotResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CreateVpcResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/GroupIdentifierStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/Volume.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeSpotDatafeedSubscriptionRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/GetConsoleOutputResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/StaleIpPermissionStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/AvoidCapacityStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateInternetGatewayRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/VpcPeeringConnectionVpcInfoStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeleteSnapshotRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DisassociateAddressResult.java
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* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeVolumeStatusResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/InstanceHealthStatus.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeleteVpeEndpointsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/LaunchPermissionStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ReservedInstancesModificationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ImportSnapshotTask.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateKeyPairResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeImportImageTasksResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CreateVolumeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/AttachVolumeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeletePlacementGroupResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/SpotPrice.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeTagsResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/PlacementStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/BundleInstanceResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/VolumeStatusInfoStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/RouteTable.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteVpnGatewayRequestMarshaller.java
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* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeAvailabilityZonesRequest.java
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* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CreateDhcpOptionsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CancelSpotInstanceRequestState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ModifyVolumeAttributeResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CancelSpotInstanceRequestsRequest.java
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* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/Filter.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/IamInstanceProfileStaxUnmarshallers.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/HostStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeNetworkInterfacesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeAccountAttributesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeSpotFleetRequestHistoryRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeExportTasksRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/EventInformationStaxUnmarshallers.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeAccountAttributesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeSpotFleetRequestHistoryRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeReservedInstancesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeleteVpcRouteTable.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/SlotDateTimeRangeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/waiters/DescribeInstanceStatusFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/HostProperties.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VpnConnection.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/Host.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/PrefixListId.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/AcceptReservedInstancesExchangeQuoteResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/PrefixListStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ModifyVpcPeeringConnectionOptionsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeAccountAttributesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/UnmonitorInstancesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteNetworkAclEntryResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/RegisterImageRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeVpcEndpointServicesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteSnapshotRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ModifySnapshotAttributeRequestStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/TargetConfiguration.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VpnStaticRoute.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/AuthorizeSecurityGroupIngressResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteNetworkAclEntryResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/RegisterImageRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeVpcEndpointServicesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteSnapshotRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ModifyReservedInstancesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeConversionTasksResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CancelSpotFleetRequestsSuccessItemStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/SnapshotDiskContainerStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VpcPeeringConnectionVpcInfo.java

Open Source Used in 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 12007
jar/com/amazonaws/services/ec2/model/ReleaseAddressResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/transform/AttachNetworkInterfaceRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/transform/DescribePlacementGroupsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/DiskImage.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/BundleInstanceResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/GetHostReservationPurchasePreviewResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/transform/ReleaseHostsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/AssociateDhcpOptionsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/transform/DescribeSecurityGroupsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/DescribeRouteTablesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/DeleteRouteResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/DescribeHostsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/CreateRouteTableRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/SpotFleetLaunchSpecification.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/DescribeReservedInstancesListingsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/CreateDhcpOptionsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/DescribeAccountAttributesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/MonitoringState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/ReplaceRouteTableAssociationResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/transform/CreateReservedInstancesListingResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/transform/CancelSpotInstanceRequestsResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources
jar/com/amazonaws/services/ec2/model/transform/ModifyNetworkInterfaceAttributeResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/VolumeAttachmentStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/waiters/SpotInstanceRequestFulfilled.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteVpnConnectionRouteResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/InstanceMonitoring.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeImportImageTasksResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeAvailabilityZonesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/IcmpTypeCodeStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DisassociateRouteTableResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/AttachClassicLinkVpcResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeIdFormatRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeviceType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/NetworkInterfaceAttachmentStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CreateRouteTableResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/GatewayType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/waiters/DescribeVolumesFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ResetInstanceAttributeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ScheduledInstancesNetworkInterface.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeIdFormatResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VolumeModification.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeNetworkInterfacesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeSpotPriceHistoryRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ImportKeyPairRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ScheduledInstanceAvailabilityStaxUnmarshaller.java
jar/com/amazonaws/services/ec2/model/ModifyImageAttributeResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/VpnConnectionOptionsStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ImportInstanceLaunchSpecificationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ModifyHostsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeRouteTablesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CreateVpcEndpointResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/InstanceNetworkInterfaceAssociation.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeInternetGatewaysRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/VolumeType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/RouteStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeTagsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/EnableVgwRoutePropagationResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeStaleSecurityGroupsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribePeeringConnectionOptionsDescription.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeHostsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteCustomerGatewayRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/InstanceStateChange.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/waiters/DescribeSubnetsFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/Ipv6CidrBlock.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteSpotDatafeedSubscriptionRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/InstanceMonitoringStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ProductCodeValues.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/VpcAttachment.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CancelSpotFleetRequestsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeSpotFleetRequestsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeVolumesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ModifyInstanceAttributeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ImportVolumeTaskDetails.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ClassicLinkDnsSupportStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CreateRouteResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ModifyNetworkInterfaceAttributeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DeleteNatGatewayRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/PriceSchedule.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/EnableVpcClassicLinkRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ConversionTask.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/InstanceStatus.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ModifyVpcPeeringConnectionOptionsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/RebootInstancesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeVpcPeeringConnectionsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/waiters/PasswordDataAvailable.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ModifyVolumeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/TargetConfigurationRequestStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeInstanceAttributeResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/RejectVpcPeeringConnectionRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeVpcPeeringConnectionsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeInstancesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ModifySnapshotAttributeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ModifyVpcPeeringConnectionOptionsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ModifyVolumeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/TargetConfigurationRequestStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeInstanceAttributeResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/RejectVpcPeeringConnectionRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  2017

jar/com/amazonaws/services/ec2/model/transform/GetConsoleOutputRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/MonitorInstancesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/StopInstancesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/AssignIpv6AddressesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ImageDiskContainerStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/AssignPrivateIpAddressesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/waiters/NetworkInterfaceAvailable.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/PeeringConnectionOptionsStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/CreateSpotDatafeedSubscriptionResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/InstanceStatusEventStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ExportToS3TaskSpecification.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ModifySpotFleetRequestResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteFlowLogsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/SpotInstanceStatusStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/BlockDeviceMappingStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/waiters/ExportTaskCompleted.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/PricingDetail.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DeleteRouteRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteVpcPeeringConnectionRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/CancelReservedInstancesListingRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/CreateCustomerGatewayRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/EnableVpcClassicLinkDnsSupportRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/UnmonitorInstancesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/MoveAddressToVpcRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/PriceScheduleStaxUnmarshall.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DatafeedSubscriptionState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ExportToS3TaskStaxUnmarshall.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ListingState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeAddressesResultStaxUnmarshall.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/AllocateHostsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteSecurityGroupRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/waiters/VpnConnectionAvailable.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeIamInstanceProfileAssociationsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DisassociateSubnetCidrBlockResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/VpcEndpointStaxUnmarshall.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/MoveStatus.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ImportSnapshotRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DisassociateIamInstanceProfileResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteEgressOnlyInternetGatewayRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CancelSpotInstanceRequestsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ResetImageAttributeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/PurchaseReservedInstancesOfferingRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/TerminateInstancesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/Subnet.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  12019
jar/com/amazonaws/services/ec2/model/transform/ReportInstanceStatusRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/AvailabilityZoneState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/UserBucketStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ModifySpotFleetRequestRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DiskImageDetailStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteSubnetResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CreateVpnGatewayResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/PeerConnectionOptionsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/UserIdGroupPairStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ReleaseAddressRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DisableVpcClassicLinkResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/BundleTaskErrorStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/TrafficType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ScheduledInstancesIamInstanceProfileStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/ImageAttribute.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeSpotPriceHistoryRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/TagDescription.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeNetworkAclsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeSpotDatafeedSubscriptionResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/RevokeSecurityGroupEgressResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DeleteNetworkAclRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/CreateSecurityGroupRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ImportInstanceVolumeDetailItemStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CreateInstanceExportTaskResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteNetworkAclEntryRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/FleetType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/IpPermission.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/MovingAddressStatus.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/PeeringConnectionOptions.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/UnsuccessfulItemErrorStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/AssignPrivateIpAddressessRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/PropagatingVgw.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ProvisionedBandwidthStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeVolumesModificationsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/HistoryRecord.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteSnapshotResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ExportEnvironment.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/EnableVolumeIOResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeSubnetsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteNatGatewayRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeAccountAttributesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeHostReservationOfferingsResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/waiters/DescribeConversionTasksFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/SpotInstanceRequest.java
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 12028

* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/ExportToS3TaskSpecificationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DescribeSpotFleetInstancesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DetachClassicLinkVpcRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/ResetNetworkInterfaceAttributeResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/VirtualizationType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/PurchaseRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DescribeVpnGatewaysRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/ScheduledInstancesPlacementStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/CreateNatGatewayRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/CreateKeyPairRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/PurchaseHostReservationResultUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/CreateNetworkAclEntryRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/CreateSecurityGroupResult.java
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 12029

* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/InstanceStatusDetailsStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/ModifyImageAttributeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/waiters/DescribeVpcsFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DeleteSnapshotResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/waiters/VpcPeeringConnectionDeleted.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/VolumeModificationState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/VolumeDeleted.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/VpnStaticRouteStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/waiters/AmazonEC2Waiters.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DeleteVpcPeeringConnectionResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/CreateSecurityGroupResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DisassociateVpcCidrBlockResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/PurchaseHostReservationRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DisassociateIamInstanceProfileResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/ModifyReservedInstancesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/CreateTagsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/RequestSpotFleetResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DeleteSpotDatafeedSubscriptionResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/AttachVolumeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/AttachInternetGatewayRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/SpotInstanceStatus.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DescribeReservedInstancesOfferingsRequestMarshaller.java
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  12033

* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/CreatePlacementGroupResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DescribeConversionTasksRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DescribeScheduledInstancesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/StateReason.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DescribeVpcEndpointServicesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/PriceScheduleSpecificationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/RouteState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/UserBucket.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DetachNetworkInterfaceRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/CopyImageRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/NetworkInterfaceAttachmentChanges.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/CreateNetworkAclResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/EnableVgwRoutePropagationRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/AuthorizeSecurityGroupEgressResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DescribeAvailabilityZonesResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/CreateVpnConnectionRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/RevokeSecurityGroupIngressResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/VpcIpv6CidrBlockAssociationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/UnassignIpv6AddressesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/StateReason.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DescribeIamInstanceProfileAssociationsResultStaxUnmarshaller.java

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 12033
jar/com/amazonaws/services/ec2/model/transform/VpcPeeringConnectionStateReasonStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/VpnConnectionOptionsSpecificationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeVpcPeeringConnectionsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeScheduledInstanceAvailabilityResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeVpcCidrBlockRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeExportTasksResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/PlacementGroup.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DetachInternetGatewayResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/PermissionGroup.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/VolumeStatusActionStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/AllocateHostsResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DomainType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/SpotInstanceStateFault.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeSpotFleetInstancesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DisableVgwRoutePropagationResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateInternetGatewayResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/PurchaseReservedInstancesOfferingResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateNetworkAclEntryResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeKeyPairsResultStaxUnmarshaller.java

Open Source Used in 12.6(1) VOS assets for CBU Projects (CentOS) 12.6(1) 12036
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateRouteResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/AssignPrivateIpAddressesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/SubnetCidrBlockState.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/AvailabilityZoneMessageStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/AttachVpnGatewayResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/RestoreAddressToClassicRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/AcceptVpcPeeringConnectionRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CreateVpnConnectionRouteResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeInstancesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteRouteTableResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ModifyInstanceAttributeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeRouteTablesResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/NetworkInterfaceAssociationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VpcPeeringConnection.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeReservedInstancesListingsResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateVolumePermissionModifications.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ResetImageAttributeName.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/InstanceType.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ModifyImageAttributeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateVolumePermissionModifications.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/InstanceType.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ModifyImageAttributeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateVolumePermissionModifications.java
* /opt/ws_local/PERMITS_SQL/1041748356_159082149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ResetImageAttributeName.java
jar/com/amazonaws/services/ec2/model/SnapshotTaskDetail.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CreateVolumeResultStaxUnmarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/HostTenancy.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/StartInstancesRequestMarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeVolumesResult.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CancelImportTaskResultStaxUnmarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DeleteVolumeRequestMarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/PurchaseRequestStaxUnmarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/AmazonEC2Exception.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/InstanceAttribute.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeVpcEndpointsResultStaxUnmarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeVpcEndpointsResult.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DescribeAddressesResult.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeStaleSecurityGroupsRequestMarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/PlacementGroupState.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/CreateRouteTableResultStaxUnmarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/RequestSpotFleetRequest.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/DescribeStaleSecurityGroupsRequestMarshaller.java
*/opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
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jar/com/amazonaws/services/ec2/package-info.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VpcClassicLink.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CreateVpnGatewayResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ModifyInstanceAttributeResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DisassociateIamInstanceProfileRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ImportImageTaskStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/IpRangeStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/BatchState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeClassicLinkInstancesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeVpcEndpointServicesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DescribeHostReservationOfferingsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VolumeStatusInfo.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/InstanceAttributeStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/DeleteTagsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/AssociateVpcCidrBlockResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/waiters/DescribeSnapshotsFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/RunInstancesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VolumeStatusName.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/Region.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/VolumeAttachmentState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/BundleTaskState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateVpcRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ModifyVolumeAttributeResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/GroupIdentifier.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/Monitoring.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/ModifyVpcAttributeResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/ImageDiskContainer.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/DisableVpcClassicLinkRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/LaunchPermission.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/ReplaceNetworkAclAssociationRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/DisableVpcClassicLinkDnsSupportResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/CreateVpnGatewayRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/DescribeNetworkInterfaceAttributeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/DescribeMovingAddressesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/ImportVolumeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/InstanceStatusDetails.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/DeleteNetworkAclRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/ScheduledInstanceRecurrenceRequestStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/ImportVolumeTaskDetailsStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/ResourceType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/CreateSnapshotResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/EbsBlockDeviceStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/transform/DescribeSnapshotAttributeRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/InstanceState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
    jar/com/amazonaws/services/ec2/model/DisableVgwRoutePropagationRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/CopyImageRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeleteNetworkAclResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/PrefixList.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeHostsRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeInstancesRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/AllocationState.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeVolumeStatusResultStaxUnmarshall.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeNetworkInterfacesFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeleteNetworkInterfaceResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/ShutdownBehavior.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/CreateVpcPeeringConnectionResultStaxUnmarshall.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeleteVpcPeeringConnectionResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeNetworkInterfacesFunction.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DeleteNetworkInterfaceRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DescribeSpotFleetInstancesResult.java

* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/BundleTaskError.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/AbstractAmazonEC2Async.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/FilterStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/ReservedInstancesConfigurationStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/DeleteVpcRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/VpnConnectionStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/S3StorageStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/MoveAddressToVpcResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/ResetSnapshotAttributeResultStaxUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/DhcpOptions.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/transform/UnassignPrivateIpAddressesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/ModifyVolumeAttributeRequest.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources.jar/com/amazonaws/services/ec2/model/RunInstancesResult.java

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it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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

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

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

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

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

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copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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

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

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

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GIMP Palette
Name: badpalettefile
Columns: 4
#
0 0 0   Index 3
012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
103 62 49   Index 6
79 73 72   Index 7
114 101 97   Index 8
208 127 100   Index 9
151 144 142   Index 10
221 207 199   Index 11
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GIMP Palette
Name: Test
Columns: 0
#
GIMP Palette
Name: badpaletteentry
Columns: 4
#
0 0 0 Index 3
65 38
103 62 49 Index 6
79 73 72 Index 7
114 101 97 Index 8
208 127 100 Index 9
151 144 142 Index 10
221 207 199 Index 11
from http://www.color.org/srgbprofiles.xalter

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GIMP Palette
Name: custompalette
Columns: 4
#
0 0 0 Index 3
65 38 30 Index 4
103 62 49 Index 6
79 73 72 Index 7
114 101 97 Index 8
208 127 100 Index 9
151 144 142 Index 10
221 207 199 Index 11

1.340 make 3.82
1.340.1 Available under license :

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The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
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However, linking a "work that uses the Library" with the Library
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Section 6 states terms for distribution of such executables.

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

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

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include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
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src/pcf/module.mk
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src/pcf/README
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src/gzip/adler32.c
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src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
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+++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]
Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated “know” assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn’t been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's
opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't
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1.354 d-bus 1.10.24-12.el7

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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/internal/VersionUsageUtils.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/dsl/internal/apps/v1/ReplicaSetOperationsImpl.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/ExtensionsAPIGroupExtensionAdapter.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/Config.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/dsl/internal/NamespaceVisitFromServerGetWatchDeleteRecreateWaitApplicableList
  Impl.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/extended/leaderelection/resourcelock/LockException.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/OperationInfo.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/dsl/SchedulingAPIGroupDSL.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/dsl/EditReplacePatchable.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/dsl/Applicable.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
  jar/io/fabric8/kubernetes/client/dsl/RAWWatchConnectionManager.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
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jar/io/fabric8/kubernetes/client/dsl/WatchListDeletable.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/Recreateable.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/base/ConfigAndApiGroupsInfo.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/V2beta1AutoscalingAPIGroupClient.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/utils/InputStreamPumper.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/Client.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/SettingsAPIGroupExtensionAdapter.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/NamespaceVisitFromServerGetWatchDeleteRecreateWaitApplicable.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/Filterable.java
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/ClientAware.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/MetricAPIGroupExtensionAdapter.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/BatchAPIGroupDSL.java
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/PolicyAPIGroupExtensionAdapter.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/informers/cache/Indexer.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/PodUploadWebSocketListener.java
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
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jar/io/fabric8/kubernetes/client/StorageAPIGroupClient.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
jar/io/fabric8/kubernetes/client/dsl/Resources.java
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jar/io/fabric8/kubernetes/client/dsl/MixedOperation.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
jar/io/fabric8/kubernetes/client/AutoscalingAPIGroupClient.java
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jar/io/fabric8/kubernetes/client/dsl/ParameterMixedOperation.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
jar/io/fabric8/kubernetes/client/dsl/ParameterMixedOperation.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/apps/v1/ReplicaSetRollingUpdater.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/NetworkAPIGroupClient.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/utils/BackwardsCompatibilityInterceptor.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/NetworkAPIGroupClient.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/NetworkAPIGroupClient.java
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/AppsAPIGroupDSL.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/Watchable.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/NodeMetricOperationsImpl.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/Readable.java
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/apps/v1/StatefulSetRollingUpdater.java

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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/resource-operation.vm
* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/resource-handler-services.vm

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io.fabric8.kubernetes.client.URLFromEnvVarsImpl
io.fabric8.kubernetes.client.URLFromIngressImpl
io.fabric8.kubernetes.client.URLFromNodePortImpl
io.fabric8.kubernetes.client.URLFromClusterIPImpl

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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/META-INF/services/io.fabric8.kubernetes.client.ServiceToURLProvider

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free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
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to use the modified definitions.)

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

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

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

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

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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1.365 iproute 3.10.0 54.el7

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* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-
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  jar/org/springframework/web/method/annotation/ModelAttributeMethodProcessor.java
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* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1.jar/org/springframework/http/converter/AbstractHttpMessageConverter.java
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* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi.macos.versions.properties
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi.architecture.properties
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi.vmmacaddr.properties
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi.windows.versions.properties

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*/
/**
* AIX (Advanced Interactive eXecutive) is a series of proprietary Unix
* operating systems developed and sold by IBM for several of its computer
* platforms.
* /

Found in path(s):
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/software/os/unix/aix/AixOperatingSystem.java
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/**
* macOS, previously Mac OS X and later OS X) is a series of proprietary
* graphical operating systems developed and marketed by Apple Inc. since 2001.
* It is the primary operating system for Apple’s Mac computers.
*/

Found in path(s):
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* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5.2.5-sources-jar/oshi/hardware/SoundCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5.2.5-sources-jar/oshi/software/os/InternetProtocolStats.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5.2.5-sources-
jar/oshi/hardware/platform/mac/MacCentralProcessor.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/common/AbstractPowerSource.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/driver/unix/freebsd/disk/Mount.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/jna/platform/unix/Perfstat.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/driver/unix/freebsd/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/common/AbstractHWDiskStore.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/driver/windows/perfmon/MemoryInformation.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/platform/unix/aix/AixUsbDevice.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/platform/unix/aix/AixSoundCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/software/os/unix/solaris/SolarisOSProcess.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/software/os/unix/solaris/SolarisFileSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/driver/windows/wmi/Win32DiskDrive.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/driver/unix/freebsd/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/platform/windows/WindowsNetworkIF.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/platform/unix/freebsd/FreeBsdSensors.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/platform/mac/MacNetworkIF.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/jna/platform/linux/LinuxLibc.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/platform/windows/WindowsNetworkIF.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/hardware/platform/unix/aix/AixInternetProtocolStats.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/driver/windows/wmi/MSAcpiThermalZoneTemperature.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/driver/linux/proc/ProcessStat.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/software/os/mac/MacOSProcess.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-
jar/oshi/software/os/unix/solaris/package-info.java
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jar/oshi/driver/windows/registry/ThreadPerformanceData.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdComputerSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/mac/MacUsbDevice.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/WindowsDisplay.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/util/Constants.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/util/platform/windows/WmiQueryHandler.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/OSService.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/ost/NetworkParams.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/SolarisComputerSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/Who.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/Who.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/WindowsHardwareAbstractionLayer.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/ux/aix/AixGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/ux/aix/AixGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/ux/aix/AixGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/ux/aix/AixGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/ux/aix/AixGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/ux/aix/AixGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/ux/aix/AixGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/mac/net/NetStat.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/mac/MacComputerSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/mac/MacOSThread.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/common/AbstractBaseboard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/linux/proc/CpuStat.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/unix/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/annotation/concurrent/GuardedBy.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/linux/LinuxHWDiskStore.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/mac/MacGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/annotation/concurrent/Immutable.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/util/tuples/Quartet.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/util/platform/windows/WmiUtil.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/SolarisBaseboard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/disk/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/WindowsVirtualMemory.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/util/platform/mac/SysctlUtil.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/freebsd/FreeBsdFilesystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/linux/LinuxInternetProtocolStats.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/windows/WmiUtil.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/SolarisCentralProcessor.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/SolarisGlobalMemory.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdDisplay.java
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* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/unix/solaris/SolarisOperatingSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/WindowsPowerSource.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/driver/linux/Dmidecode.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/common/AbstractGraphicsCard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdVirtualMemory.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/annotation/concurrent/NotThreadSafe.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/perfmon/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdNetworkIF.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/unix/solaris/SolarisOSThread.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/WindowsComputerSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/windows/WindowsNetworkParams.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/SolarisHDiskStore.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/common/AbstractOSProcess.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/aix/AixSensors.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/aix/AixOSProcess.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/mac/disk/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/linux/LinuxOSThread.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/WindowsBaseboard.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/unix/aix/perfstat/PerfstatProcess.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/wmi/OhmHardware.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/unix/solaris/disk/Prtvtoc.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdCentralProcessor.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/wmi/Win32ComputerSystemProduct.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/linux/LinuxFileSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/windows/WindowsOSThread.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/SolarisSensors.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/unix/solaris/kstat/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/mac/ThreadInfo.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/kstat/SystemPages.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/wmi/Win32PhysicalMemory.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/perfmon/ThreadInformation.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/linux/LinuxDisplay.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/unix/aix/AixFileSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/OSProcess.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/windows/WindowsUsbDevice.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/common/AbstractGlobalMemory.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/util/tuples/Pair.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/posix/PosixFileSet.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/software/os/OSProcess.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/mac/MacDisplay.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdPowerSource.java
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* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/ComputerSystem.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/unix/aix/perfstat/PerfstatProtocol.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/freebsd/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/platform/unix/mac/SmcUtil.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/permission/posix/package-info.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/unix/aix/Ls.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/permission/posix/PosixInterface.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/aix/AixPowerSource.java
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* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/registry/ProcessWtsData.java
* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/windows/registry/HkeyPerformanceDataUtil.java
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* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/driver/unix/freebsd/disk/package-info.java

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* /opt/cola/permits/1102347465_1603692767.71/0/oshi-core-5-2-5-sources-jar/oshi/hardware/platform/unix/solaris/SolarisDisplay.java
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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is
the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work
      based on the Library, uncombined with any other library
      facilities. This must be distributed under the terms of the
      Sections above,

   b) Give prominent notice with the combined library of the fact
      that part of it is a work based on the Library, and explaining
      where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
<one line to give the library's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!

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[This is the first released version of the Lesser GPL.  It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

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

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the
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permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
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this as regards changes in header files, but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this
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(Deinst@world.std.com). David and I are now
working on parallel development tracks to help
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a significant help in improving MySpell.

Special thanks also go to La'szlo' Ne'meth
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1.375 jersey-client 2.13

1.376 jersey-server 2.13

1.377 openssl 1.0.1s

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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   * /opt/ws_local/PERMITS_SQL/1047308079_1590269775.34/0/dropwizard-validation-1-3-23-sources-jar/io/dropwizard/validation/InterpolationHelper.java

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the
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# Jackson JSON processor

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

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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/ConnectionUtils.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/EC2CredentialsUtils.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/auth/ContainerCredentialsRetryPolicy.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/auth/ContainerCredentialsProvider.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryPolicy.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/CredentialsEndpointProvider.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/auth/EC2CredentialsFetcher.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryParameters.java

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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/partitions/model/Region.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/regions/RegionImpl.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/regions/RegionMetadataFactory.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/regions/InMemoryRegionsProvider.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/regions/RegionMetadataProvider.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/regions/InMemoryRegionImpl.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/protocol/json/SdkIonGenerator.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/partitions/model/Partition.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/annotation/GuardedBy.java
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 * /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/transform/SimpleTypeIonUnmarshallers.java
 * /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/protocol/json/IonParser.java

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  jar/com/amazonaws/util/NullResponseMetadataCache.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/Codec.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/RegionAwareSigner.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/SdkRuntime.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/IOUtils.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/internal/SdkFilterOutputStream.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/ServiceAwareSigner.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/Base32Codec.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/internal/MetricsInputStream.java
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/Throwables.java
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/AbortedException.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/EC2MetadataUtils.java
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/internal/SdkBufferedReaderInputStream.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/ServiceAwareSigner.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/Base32Codec.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/internal/MetricsInputStream.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/ServiceAwareSigner.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/ServiceAwareSigner.java
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/util/Throwables.java
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1.411 dropwizard-logging 1.3.23

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*/

People who have contributed to tcsh for win32 with bugfixes, functionality,
and other useful pieces of code. If I've left you out, please let me know!

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/

*/
* config.h -- configure various defines for tcsh
* 
* All source files should #include this FIRST.
* 
* Edit this to match your system type.
/*

 ifndef _h_config
 define _h_config
 /*************** System dependant compilation flags ***************/
 /
 * POSIXThis system supports IEEE Std 1003.1-1988 (POSIX).
 */
 #undef POSIX

 /*
 * POSIXJOBSThis system supports the optional IEEE Std 1003.1-1988 (POSIX)
 * job control facilities.
 */
 #undef POSIXJOBS

 /*
 * VFORKThis machine has a vfork().
 * It used to be that for job control to work, this define
 * was mandatory. This is not the case any more.
 * If you think you still need it, but you don't have vfork,
 * define this anyway and then do #define vfork fork.
 * I do this anyway on a Sun because of yellow_pages brain damage,
 * [should not be needed under 4.1]
 * and on the iris4d causeSGI's fork is sufficiently "virtual"
 * that vfork isn't necessary. (Besides, SGI's vfork is weird).
 * Note that some machines eg. rs6000 have a vfork, but not
 * with the berkeley semantics, so we cannot use it there either.
 */
 #define VFORK

 /*
 * BSDJOBSYou have BSD-style job control (both process groups and
 * a tty that deals correctly
 */
 #define BSDJOBS

 /*
 * BSDTIMESYou have BSD-style process time stuff (like rusage)
 * This may or may not be true. For example, Apple Unix
 * (OREO) has BSDJOBS but not BSDTIMES.
 */
 #define BSDTIMES

 /*
 * BSDLIMITYou have BSD-style resource limit stuff (getrlimit/setrlimit)
 */
 #define BSDLIMIT
/* 
* TERMIO You have struct termio instead of struct sgttyb.
* This is usually the case for SYSV systems, where
* BSD uses sgttyb. POSIX systems should define this
* anyway, even though they use struct termios.
* /
#undef TERMIO

/*
* SYSVREL Your machine is SYSV based (HPUX, A/UX)
* NOTE: don't do this if you are on a Pyramid -- tcsh is
* built in a BSD universe.
* Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
* you are running. Or set it to 0 if you are not SYSV based
* /
#define SYSVREL0

/*
* YPBUGS Work around Sun YP bugs that cause expansion of ~username
* to send command output to /dev/null
* /
#undef YPBUGS

/******************** local defines *******************/

#endif /* _h_config */

1.413 tiles-template 3.0.8
1.413.1 Available under license:

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1.415 jetty-setuid-java 1.0.3

1.416 gdbm 1.10-8.el7

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1.421 cyrus-sasl 2.1.26-19.2.el7

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* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/core/convert/support/CollectionToArrayConverter.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/core/annotation/AnnotatedElementUtils.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/util/TypeUtils.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/util/concurrent/ListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/util/InvalidMimeTypeException.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/core/io/ClassPathResource.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/core/io/UrlResource.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1.jar/org/springframework/core/PrioritizedParameterNameDiscoverer.java
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* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1
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* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1
jar/org/springframework/core/convert/support/DefaultConversionService.java  
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1

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 */

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* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/core/task/AsyncTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/core/task/AsyncListenableTaskExecutor.java
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* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/util/SystemPropertyUtils.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/core/env/StandardEnvironment.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/core/env/StandardEnvironment.java

1.423 libcroco 0.6.12 4.el7
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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```
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<td>GL/glxext.h</td>
<td>Khronos</td>
</tr>
</tbody>
</table>
include/GL/gl.h  :  

Mesa 3-D graphics library  

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include/GL/glxext.h  
include/GL/wglext.h  :  

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## xwd v1.0.7

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### jopt-simple v5.0.4

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From 0df1a50e41fb12fbeb6709575e5f12d64ed73b66 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH 085/260] * grub-core/loader/i386/bsd.c (grub_netbsd_boot):
Pass pointer to EFI system table.

---
ChangeLog                           | 5 +++++
grub-core/loader/i386/bsd.c         | 8 ++++++++ include/grub/i386/netbsd_bootinfo.h | 7 ++++++
3 files changed, 20 insertions(+)

diff --git a/ChangeLog b/ChangeLog
index abf8f4b27..0cdd095a4 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,5 +1,10 @@
2014-06-21  Stephane Rochoy <sheda>
+	* grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
+EFI system table.
+
+2014-06-21  Stephane Rochoy <sheda>
+
+* grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show
EFI system table physical address.

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef9109c..8f691e0e2 100644
--- a/grub-core/loader/i386/bsd.c
+++ b/grub-core/loader/i386/bsd.c
@@ -1145,6 +1145,14 @@ grub_netbsd_boot (void)
if (err)
  return err;
+##ifdef GRUB_MACHINE_EFI
+  err = grub_bsd_add_meta (NETBSD_BTINFO_EFI,
+                          &grub_efi_system_table,
+                          sizeof (grub_efi_system_table));
+  if (err)
+    return err;
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+struct grub_netbsd_btinfo_efi
+
+  void *pa_systbl; /* Physical address of the EFI System Table */
+
+}
+
+endif
--

2.13.0

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Version 3, 29 June 2007

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1.426 javax-inject 1

1.427 luajit 2.0.3
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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

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1.437 metrics-health-checks 4.0.5

1.438 jackson-databind 2.10.3
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a textual and legal sense, the linked executable is a combined work, a
derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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

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* /opt/ws_local/PERMITS_SQL/1041745001_1591004669.0/0/jmespath-java-1.11.91-sources.jar/com/amazonaws/jmespath/InvalidTypeException.java
1.443 which 2.20

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1.451 zlib 1.2.7 15.el7

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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1.453 at 3.1.13

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 * Holder for web specializations of methods of [Shorts]. Intended to be empty for regular
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 */

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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/escape/Escaper.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/net/PercentEscaper.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/base/Converter.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/primitives/Floats.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/reflect/Element.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/escape/package-info.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/math/PairStatsAccumulator.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/CharSink.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/html/package-info.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/cache/LongAddable.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/FilteredKeyMultimap.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/math/IntMath.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/math/LongMath.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/Present.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/Enums.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/cache/RemovalNotification.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/cache/RemovalCause.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/net/MediaType.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AsyncFunction.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AsyncArrayDeque.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AsyncQueue.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AsyncStack.java
jar/com/google/common/net/HttpHeaders.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/base/Ticker.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/base/Absent.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/reflect/Types.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/cache/package-info.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/math/package-info.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/Optional.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/AbstractStreamingHasher.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/graph/package-info.java

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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/eventbus/SubscriberRegistry.java

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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/RegularImmutableSortedMultiset.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/escape/CharEscaper.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/annotations/VisibleForTesting.java
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jar/com/google/common/collect/MultimapBuilder.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/util/concurrent/AtomicLongMap.java
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/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * @param c the collection for which to return an array of elements
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/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/TreeMultimap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ConcurrentHashMultiset.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/CompoundOrdering.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/Ordering.java
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jar/com/google/common/collect/ReverseOrdering.java
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  jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/collection/ForwardingMultimap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/collection/Multiset.java

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jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/Network.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/io/InsecureRecursiveDeleteException.java
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jar/com/google/common/graph/Graphs.java

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jar/com/google/common/reflect/Reflection.java

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jar/com/google/common/graph/StandardMutableValueGraph.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/graph/UndirectedNetworkConnections.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/graph/AbstractNetwork.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/JdkBackedImmutableMultiset.java

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

Found in path(s):
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/util/concurrent/Partially.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/BaseImmutableMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/JdkBackedImmutableMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/IndexedImmutableSet.java

1.456 rootfiles 8.1

1.457 axis2-adb 1.4
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1.458 backport-util-concurrent 3.1

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1.459 activation 1.2.1
1.460 libcap-ng 0.7.5 4.el7

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1.466 metrics-jersey2 4.0.5
1.467 xerces-j 2.3.0

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fullName Helvetica Bold
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Version 002.000

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xHeight 532
ascender 718
descender -207
stdHW 118
stdVW 140
startCharMetrics 315
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C 33 ; WX 333 ; N exclam ; B 90 0 244 718 ;
C 34 ; WX 474 ; N quotedbl ; B 98 447 376 718 ;
C 35 ; WX 556 ; N numbersign ; B 18 0 538 698 ;
C 36 ; WX 556 ; N dollar ; B 30 -115 538 775 ;
C 37 ; WX 889 ; N percent ; B 28 -19 861 710 ;
C 38 ; WX 722 ; N ampersand ; B 54 -19 701 718 ;
C 39 ; WX 278 ; N quoteright ; B 69 445 209 718 ;
C 40 ; WX 333 ; N parenleft ; B 35 -208 314 734 ;
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C 44 ; WX 278 ; N comma ; B 64 -168 214 146 ;
C 45 ; WX 333 ; N hyphen ; B 27 215 306 345 ;
C 46 ; WX 278 ; N period ; B 64 0 214 146 ;
C 47 ; WX 278 ; N slash ; B -33 -19 311 737 ;
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Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13451
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13452
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EndKernData
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For SVG 1.0:

Namespace:
   http://www.w3.org/2000/svg

Public identifier:
   PUBLIC "

Found in path(s):
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SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

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   Revision: $Id: svg11

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* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-basic.dtd
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FamilyName Times
Weight Roman
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IsFixedPitch false
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UnderlineThickness 50
Version 002.000
is a trademark of Linotype-Hell AG and/or its subsidiaries.
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Ascender 683
Descender -217
StdHW 28
StdVW 84
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C 58 ; WX 278 ; N colon ; B 81 -11 192 459 ;
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* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Times-Roman.afm
No license file was found, but licenses were detected in source scan.

StartFontMetrics 4.1
Comment Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu May 1 15:12:25 1997
Comment UniqueID 43064
Comment VMusage 30820 39997
FontName Symbol
FullName Symbol
FamilyName Symbol
Weight Medium
ItalicAngle 0
IsFixedPitch false
CharacterSet Special
FontBBox -180 -293 1090 1010
UnderlinePosition -100
UnderlineThickness 50
Version 001.008
Notice Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
EncodingScheme FontSpecific
StdHW 92
StdVW 85
StartCharMetrics 190
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 128 -17 240 672 ;
C 34 ; WX 713 ; N universal ; B 310 681 705 ;
C 35 ; WX 500 ; N numbersign ; B 20 -16 481 673 ;
C 36 ; WX 549 ; N existential ; B 25 0 478 707 ;
C 37 ; WX 833 ; N percent ; B 63 -36 771 655 ;
C 38 ; WX 778 ; N ampersand ; B 41 -18 750 661 ;
C 39 ; WX 439 ; N suchthat ; B 48 -17 414 500 ;
C 40 ; WX 333 ; N parenleft ; B 53 -191 300 673 ;
C 41 ; WX 333 ; N parenright ; B 30 -191 277 673 ;
C 42 ; WX 500 ; N asteriskmath ; B 65 134 227 551 ;
C 43 ; WX 549 ; N plus ; B 10 0 539 533 ;
C 44 ; WX 250 ; N comma ; B 56 -152 194 104 ;
C 45 ; WX 549 ; N minus ; B 11 233 535 288 ;
C 46 ; WX 250 ; N period ; B 69 -17 181 95 ;
C 47 ; WX 278 ; N slash ; B 0 -18 254 646 ;
C 48 ; WX 500 ; N zero ; B 24 -14 476 685 ;
C 49 ; WX 500 ; N one ; B 117 0 390 673 ;
C 50 ; WX 500 ; N two ; B 25 0 475 685 ;
C 51 ; WX 500 ; N three ; B 43 -14 435 685 ;
C 52 ; WX 500 ; N four ; B 15 0 469 685 ;
Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Symbol.afm

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# version 1.1, a copy of which has been included with this distribution in #
# the LICENSE file.                                                  #
#############################################################################

# This file registers the example DOM extension as a service for the #
# SVGOMDocument.
org.apache.batik.extension.svg.BatikDomExtension

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/META-INF/services/org.apache.batik.dom.svg.DomExtension
No license file was found, but licenses were detected in source scan.

StartFontMetrics 4.1
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Comment VMusage 45775 55535
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FullName ITC Zapf Dingbats
FamilyName ZapfDingbats
Weight Medium
ItalicAngle 0
IsFixedPitch false
CharacterSet Special
FontBBox -1 -143 981 820
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
EncodingScheme FontSpecific
StdHW 28
StdVW 90
StartCharMetrics 202
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C 34 ; WX 961 ; N a2 ; B 35 81 927 611 ;
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C 36 ; WX 980 ; N a3 ; B 35 0 945 692 ;
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C 39 ; WX 790 ; N a19 ; B 35 -14 755 705 ;
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C 42 ; WX 960 ; N a1 ; B 35 123 925 568 ;
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C 44 ; WX 549 ; N a13 ; B 29 -11 516 705 ;
C 45 ; WX 855 ; N a14 ; B 34 59 820 632 ;
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C 55 ; WX 571 ; N a23 ; B -1 -68 571 661 ;
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13517
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13518
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13519
SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

The Scalable Vector Graphics (SVG)
(Massachusetts Institute of Technology, Institut National de
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It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: $Id: svg11

Found in path(s):
*/opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-basic-flat.dtd
No license file was found, but licenses were detected in source scan.

StartFontMetrics 4.1
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CommentVMusage 41636 52661
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FullName Times Bold
FamilyName Times
Weight Bold
ItalicAngle 0
IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -168 -218 1000 935
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
Times is a trademark of Linotype-Hell AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 676
XHeight 461
Ascender 683
Descender -217
StdHW 44
StdVW 139
StartCharMetrics 315
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No license file was found, but licenses were detected in source scan.

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UnderlineThickness 50
Version 003.000
EncodingScheme AdobeStandardEncoding
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XHeight 439
Ascender 629
Descender -157
StdHW 84
StdVW 106
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No license file was found, but licenses were detected in source scan.

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KPX oslash edieresis -55
KPX oslash edotaccent -55
KPX oslash egrave -55
KPX oslash emacron -55
KPX oslash eogonek -55
KPX oslash f -55
KPX oslash g -55
KPX oslash gbreve -55
KPX oslash gcommaaccent -55
KPX oslash h -55
KPX oslash i -55
KPX oslash iacute -55
KPX oslash icircumflex -55
KPX oslash idieresis -55
KPX oslash igrave -55
KPX oslash imacron -55
KPX oslash iogonek -55
KPX oslash j -55

---

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13705
KPX z ohungarumlaut -15
KPX z omacron -15
KPX z oslash -15
KPX z otilde -15
KPX zacute e -15
KPX zacute eacute -15
KPX zacute ecaron -15
KPX zacute ecircumflex -15
KPX zacute edieresis -15
KPX zacute edotaccent -15
KPX zacute egrave -15
KPX zacute emacron -15
KPX zacute eogonek -15
KPX zacute o -15
KPX zacute oacute -15
KPX zacute ocaron e -15
KPX zacute ocaron eacute -15
KPX zacute ocaron ecaron -15
KPX zacute ocaron ecircumflex -15
KPX zacute ocaron edieresis -15
KPX zacute ocaron edotaccent -15
KPX zacute ograve -15
KPX zacute ohungarumlaut -15
KPX zacute omacron -15
KPX zacute oslash -15
KPX zacute otilde -15
KPX zcaron e -15
KPX zcaron eacute -15
KPX zcaron ecaron -15
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KPX zcaron edotaccent -15
KPX zcaron egrave -15
KPX zcaron emacron -15
KPX zcaron eogonek -15
KPX zcaron o -15
KPX zcaron oacute -15
KPX zcaron ocaron e -15
KPX zcaron ocaron ecircumflex -15
KPX zcaron odieresis -15
KPX zcaron ograve -15
KPX zcaron ohungarumlaut -15
KPX zcaron omacron -15
KPX zcaron oslash -15
KPX zcaron otilde -15
KPX zdotaccent e -15
KPX zdotaccent eacute -15
KPX zdotaccent ecaron -15
KPX zdotaccent ecircumflex -15
KPX zdotaccent edieresis -15
KPX zdotaccent edotaccent -15
KPX zdotaccent egrave -15
KPX zdotaccent emacron -15
KPX zdotaccent eogonek -15
KPX zdotaccent o -15
KPX zdotaccent oacute -15
KPX zdotaccent ocircumflex -15
KPX zdotaccent odieresis -15
KPX zdotaccent ograve -15
KPX zdotaccent ohungarumlaut -15
KPX zdotaccent omacron -15
KPX zdotaccent oslash -15
KPX zdotaccent otilde -15
EndKernPairs
EndKernData
EndFontMetrics

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Helvetica.afm
No license file was found, but licenses were detected in source scan.

cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate "Unique Particle Attribution".

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/xerces/impl/msg/XMLSchemaMessages.properties
No license file was found, but licenses were detected in source scan.

StartFontMetrics 4.1
Comment Creation Date: Thu May 1 13:04:06 1997
Comment UniqueID 43066
Comment VMusage 45874 56899
FontName Times-BoldItalic
FullName Times Bold Italic
FamilyName Times
Weight Bold
ItalicAngle -15
IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -200 -218 996 921
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
is a trademark of Linotype-Hell AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 669
XHeight 462
Ascender 683
Descender -217
StdHW 42
StdVW 121
StartCharMetrics 315
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 389 ; N exclaim ; B 67 -13 370 684 ;
C 34 ; WX 555 ; Nquotedb ; B 136 398 536 685 ;
C 35 ; WX 500 ; N numbersign ; B -33 0 533 700 ;
C 36 ; WX 500 ; N dollar ; B -20 -100 497 733 ;
C 37 ; WX 833 ; N percent ; B 39 -10 793 692 ;
C 38 ; WX 778 ; N ampersand ; B 5 -19 699 682 ;
C 39 ; WX 333 ; N quoteright ; B 98 369 302 685 ;
C 40 ; WX 333 ; N parenleft ; B 28 -179 344 685 ;
C 41 ; WX 333 ; N parenright ; B -44 -179 271 685 ;
C 42 ; WX 500 ; N asterisk ; B 65 249 456 685 ;
C 43 ; WX 570 ; N plus ; B 33 0 537 506 ;
C 44 ; WX 250 ; N comma ; B -60 -182 144 134 ;
C 45 ; WX 333 ; N hyphen ; B 2 166 271 282 ;
C 46 ; WX 250 ; N period ; B -9 -13 144 134 ;
C 47 ; WX 278 ; N slash ; B -64 -18 342 685 ;
C 48 ; WX 500 ; N zero ; B 17 -14 477 683 ;
C 49 ; WX 500 ; N one ; B 5 0 419 683 ;
C 50 ; WX 500 ; N two ; B -27 0 446 683 ;
C 51 ; WX 500 ; N three ; B -15 -13 450 683 ;
C 52 ; WX 500 ; N four ; B -15 0 503 683 ;
C 53 ; WX 500 ; N five ; B -11 -13 487 669 ;
C 54 ; WX 500 ; N six ; B 23 -15 509 679 ;
C 55 ; WX 500 ; N seven ; B 52 0 525 669 ;
C 56 ; WX 500 ; N eight ; B 3 -13 476 683 ;
C 57 ; WX 500 ; N nine ; B -12 -10 475 683 ;
C 58 ; WX 333 ; N colon ; B 23 -13 264 459 ;
C 59 ; WX 333 ; N semicolon ; B -25 -183 264 459 ;
C 60 ; WX 570 ; N less ; B 31 -8 539 514 ;
C 61 ; WX 570 ; N equal ; B 33 107 537 399 ;
C 62 ; WX 570 ; N greater ; B 31 -8 539 514 ;
C 63 ; WX 500 ; N question ; B 79 -13 470 684 ;
C 64 ; WX 832 ; N at ; B 63 -18 770 685 ;
C 65 ; WX 667 ; N A ; B -67 0 593 683 ;
C 66 ; WX 667 ; N B ; B -24 0 624 669 ;
C 67 ; WX 667 ; N C ; B 32 -18 677 685 ;
C 68 ; WX 722 ; N D ; B -46 0 685 669 ;
C 69 ; WX 667 ; N E ; B -27 0 653 669 ;
C 70 ; WX 667 ; N F ; B -13 0 660 669 ;
C 71 ; WX 722 ; N G ; B 21 -18 706 685 ;
C 72 ; WX 778 ; N H ; B -24 0 799 669 ;
C 73 ; WX 389 ; N I ; B -32 0 406 669 ;
C 74 ; WX 500 ; N J ; B -46 -99 524 669 ;
C 75 ; WX 667 ; N K ; B -21 0 702 669 ;
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13721
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  13723
KPX A Oslash -50
KPX A Otilde -50
KPX A Q -55
KPX A T -55
KPX A Tcaron -55
KPX A Teommaaccent -55
KPX A U -50
KPX A Uacute -50
KPX A Ucircumflex -50
KPX A Udieresis -50
KPX A Ugrave -50
KPX A Uhungarumlaut -50
KPX A Umacron -50
KPX A Uogonek -50
KPX A Uring -50
KPX A V -95
KPX A W -100
KPX A Y -70
KPX A Yacute -70
KPX A Ydieresis -70
KPX A quoteright -74
KPX A u -30
KPX A uacute -30
KPX A ucircumflex -30
KPX A udieresis -30
KPX A ugrave -30
KPX A uhungarumlaut -30
KPX A umacron -30
KPX A uogonek -30
KPX A uring -30
KPX A v -74
KPX A w -74
KPX A y -74
KPX A yacute -74
KPX A ydieresis -74
KPX Aacute C -65
KPX Aacute Cacute -65
KPX Aacute Ccaron -65
KPX Aacute Ccedilla -65
KPX Aacute Cgrave -60
KPX Aacute Cogonek -60
KPX Aacute Cograve -60
KPX Aacute Chungarumlaut -60
KPX Aacute Cmacron -60
KPX Aacute Cogonek -60
KPX Aacute Ocircumflex -50
KPX Aacute Odieresis -50
KPX Aacute Ograve -50
KPX Aacute Ohungarumlaut -50

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13725
KPX Abreve Ohungarumlaut -50
KPX Abreve Omacron -50
KPX Abreve Oslash -50
KPX Abreve Otilde -50
KPX Abreve Q -55
KPX Abreve T -55
KPX Abreve Tcaron -55
KPX Abreve Tcommaaccent -55
KPX Abreve U -50
KPX Abreve Uacute -50
KPX Abreve Ucircumflex -50
KPX Abreve Udieresis -50
KPX Abreve Ugrave -50
KPX Abreve Uhungarumlaut -50
KPX Abreve Umacron -50
KPX Abreve Uogonek -50
KPX Abreve Uring -50
KPX Abreve V -95
KPX Abreve W -100
KPX Abreve Y -70
KPX Abreve Yacute -70
KPX Abreve Ydieresis -70
KPX Abreve quotedbl -74
KPX Abreve u -30
KPX Abreve uacute -30
KPX Abreve ucircumflex -30
KPX Abreve udieresis -30
KPX Abreve ugrave -30
KPX Abreve uhungarumlaut -30
KPX Abreve umacron -30
KPX Abreve uogonek -30
KPX Abreve uing -30
KPX Abreve v -74
KPX Abreve w -74
KPX Abreve y -74
KPX Abreve yacute -74
KPX Abreve ydieresis -74
KPX Acircumflex C -65
KPX Acircumflex Cacute -65
KPX Acircumflex Ccaron -65
KPX Acircumflex Ccedilla -65
KPX Acircumflex G -60
KPX Acircumflex Gbreve -60
KPX Acircumflex Gcommaaccent -60
KPX Acircumflex O -50
KPX Acircumflex Oacute -50
KPX Acircumflex Ocute -50
KPX Acircumflex Odieresis -50
Open Source Used in 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13728
KPX Adieresis Odieresis -50
KPX Adieresis Ograve -50
KPX Adieresis Ohungarumlaut -50
KPX Adieresis Omacron -50
KPX Adieresis Oslash -50
KPX Adieresis Otilde -50
KPX Adieresis Q -55
KPX Adieresis T -55
KPX Adieresis Tcaron -55
KPX Adieresis Tcommaaccent -55
KPX Adieresis U -50
KPX Adieresis Uacute -50
KPX Adieresis Ucircumflex -50
KPX Adieresis U Macron -50
KPX Adieresis Uogonek -50
KPX Adieresis Uring -50
KPX Adieresis V -95
KPX Adieresis W -100
KPX Adieresis Y -70
KPX Adieresis Yacute -70
KPX Adieresis Ydieresis -70
KPX Adieresis quoternot -74
KPX Adieresis u -30
KPX Adieresis uacute -30
KPX Adieresis ucircumflex -30
KPX Adieresis u Macron -30
KPX Adieresis uogonek -30
KPX Adieresis uring -30
KPX Adieresis v -74
KPX Adieresis w -74
KPX Adieresis y -74
KPX Adieresis yacute -74
KPX Adieresis ydieresis -74
KPX Agrave C -65
KPX Agrave Cacute -65
KPX Agrave Ccaron -65
KPX Agrave Ccedilla -65
KPX Agrave G -60
KPX Agrave Gbreve -60
KPX Agrave Gcommaaccent -60
KPX Agrave O -50
KPX Agrave Oacute -50

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13729
KPX Amacron Oacute -50
KPX Amacron Ocircumflex -50
KPX Amacron Odieresis -50
KPX Amacron Ograve -50
KPX Amacron Ohungarumlaut -50
KPX Amacron Omacron -50
KPX Amacron Oslash -50
KPX Amacron Otildedbl -50
KPX Amacron Q -55
KPX Amacron T -55
KPX Amacron Tearon -55
KPX Amacron Tcommaaccent -55
KPX Amacron U -50
KPX Amacron Uacute -50
KPX Amacron Ucircumflex -50
KPX Amacron Udieresis -50
KPX Amacron Ugrave -50
KPX Amacron Uhungarumlaut -50
KPX Amacron Umacron -50
KPX Amacron Uogonek -50
KPX Amacron Uring -50
KPX Amacron V -95
KPX Amacron W -100
KPX Amacron Y -70
KPX Amacron Yacute -70
KPX Amacron Ydieresis -70
KPX Amacron quoteright -74
KPX Amacron u -30
KPX Amacron uacute -30
KPX Amacron ucircumflex -30
KPX Amacron udieresis -30
KPX Amacron ugrave -30
KPX Amacron uhungarumlaut -30
KPX Amacron umacron -30
KPX Amacron uogonek -30
KPX Amacron uring -30
KPX Amacron v -74
KPX Amacron w -74
KPX Amacron y -74
KPX Amacron yacute -74
KPX Amacron ydieresis -74
KPX Aogonek C -65
KPX Aogonek Cacute -65
KPX Aogonek Ccaron -65
KPX Aogonek Ccedilla -65
KPX Aogonek G -60
KPX Aogonek Gbreve -60
KPX Aogonek Gcommaaccent -60
KPX Deroat Acircumflex -25
KPX Deroat Adieresis -25
KPX Deroat Agrave -25
KPX Deroat Amacron -25
KPX Deroat Aogonek -25
KPX Deroat Aring -25
KPX Deroat Atilde -25
KPX Deroat V -50
KPX Deroat W -40
KPX Deroat Y -50
KPX Deroat Yacute -50
KPX Deroat Ydieresis -50
KPX F A -100
KPX F Aacute -100
KPX F Abreve -100
KPX F Acircumflex -100
KPX F Adieresis -100
KPX F Agrave -100
KPX F Amacron -100
KPX F Aogonek -100
KPX F Aring -100
KPX F Atilde -100
KPX F a -95
KPX F aacute -95
KPX F abreve -95
KPX F acircumflex -95
KPX F adieresis -95
KPX F agrave -95
KPX F amacron -95
KPX F aogonek -95
KPX F aring -95
KPX F atilde -95
KPX F comma -129
KPX F e -100
KPX F eacute -100
KPX F ecaron -100
KPX F ecircumflex -100
KPX F edieresis -100
KPX F edotaccent -100
KPX F egrave -100
KPX F emacron -100
KPX F eogonek -100
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KPX F icircumflex -40
KPX F idieresis -40
KPX F igrae -40
KPX F imacron -40
KPX F iogonek -40
KPX F o -70
KPX F oacute -70
KPX F ocircumflex -70
KPX F odieresis -70
KPX F ograve -70
KPX F ohungarumlaut -70
KPX F omacron -70
KPX F oslash -70
KPX F otilde -70
KPX F period -129
KPX F r -50
KPX F racute -50
KPX F rcaron -50
KPX F recommaaccent -50
KPX J A -25
KPX J Aacute -25
KPX J Abreve -25
KPX J Acircumflex -25
KPX J Adieresis -25
KPX J Agrave -25
KPX J Amacron -25
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KPX J Aring -25
KPX J Atilde -25
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KPX J acircumflex -40
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KPX J agrave -40
KPX J amacron -40
KPX J aogonek -40
KPX J aring -40
KPX J atilde -40
KPX J comma -10
KPX J e -40
KPX J eacute -40
KPX J ecaron -40
KPX J ecircumflex -40
KPX J edieresis -40
KPX J edotaccent -40
KPX J egrave -40
KPX J emacron -40
KPX J eogonek -40
KPX J o -40
KPX J oacute -40
KPX J ocircumflex -40
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13740
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KPX Ocircumflex Tcaron -40
KPX Ocircumflex Tcommaaccent -40
KPX Ocircumflex V -50
KPX Ocircumflex W -50
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KPX Ocircumflex Y -50
KPX Ocircumflex Yacute -50
KPX Ocircumflex Ydieresis -50
KPX Odieresis A -40
KPX Odieresis Aacute -40
KPX Odieresis Abreve -40
KPX Odieresis Acircumflex -40
KPX Odieresis Adieresis -40
KPX Odieresis Agrave -40
KPX Odieresis Amaclon -40
KPX Odieresis Aogonek -40
KPX Odieresis Aring -40
KPX Odieresis Atilde -40
KPX Odieresis T -40
KPX Odieresis Tcaron -40
KPX Odieresis Tcommaaccent -40
KPX Odieresis V -50
KPX Odieresis W -50
KPX Odieresis X -40
KPX Odieresis Y -50
KPX Odieresis Yacute -50
KPX Odieresis Ydieresis -50
KPX Ograve A -40
KPX Ograve Aacute -40
KPX Ograve Abreve -40
KPX Ograve Acircumflex -40
KPX Ograve Adieresis -40
KPX Ograve Agrave -40
KPX Ograve Amaclon -40
KPX Ograve Aogonek -40
KPX Ograve Aring -40
KPX Ograve Atilde -40
KPX Ograve T -40
KPX Ograve Tcaron -40
KPX Ograve Tcommaaccent -40
KPX Ograve V -50
KPX Ograve W -50
KPX Ograve X -40
KPX Ograve Y -50
KPX Ograve Yacute -50
KPX Ograve Ydieresis -50
KPX Ohungarumlaut A -40
KPX Oslash Tcaron -40
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KPX Oslash V -50
KPX Oslash W -50
KPX Oslash X -40
KPX Oslash Y -50
KPX Oslash Yacute -50
KPX Oslash Ydieresis -50
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KPX Otilde Aacute -40
KPX Otilde Abreve -40
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KPX Otilde Agrave -40
KPX Otilde Amacron -40
KPX Otilde Aogonek -40
KPX Otilde Aring -40
KPX Otilde Atilde -40
KPX Otilde T -40
KPX Otilde Tcaron -40
KPX Otilde Tcommaaccent -40
KPX Otilde V -50
KPX Otilde W -50
KPX Otilde X -40
KPX Otilde Y -50
KPX Otilde Yacute -50
KPX Otilde Ydieresis -50
KPX P A -85
KPX P Aacute -85
KPX P Abreve -85
KPX P Acircumflex -85
KPX P Adieresis -85
KPX P Agrave -85
KPX P Amacron -85
KPX P Aogonek -85
KPX P Aring -85
KPX P Atilde -85
KPX P a -40
KPX P aacute -40
KPX P abreve -40
KPX P acircumflex -40
KPX P adieresis -40
KPX P agrave -40
KPX P amacron -40
KPX P aogonek -40
KPX P aring -40
KPX P atilde -40
KPX P comma -129
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13754
KPX Ydieresisaacute -92
KPX Ydieresisasbreve -92
KPX Ydieresisaacircumflex -92
KPX Ydieresisadieresisa -92
KPX Ydieresisaggrave -92
KPX Ydieresisamanacron -92
KPX Ydieresisaoacute -92
KPX Ydieresisaring -92
KPX Ydieresisetilde -92
KPX Ydieresisapont -92
KPX Ydieresisacoma -92
KPX Ydieresisa -111
KPX Ydieresiseacute -111
KPX Ydieresisae -71
KPX Ydieresiseedieresis -71
KPX Ydieresisedotaccent -111
KPX Ydieresiseggrave -71
KPX Ydieresisemacron -71
KPX Ydieresisaoacute -111
KPX Ydieresisacircumflex -111
KPX Ydieresisodieresis -111
KPX Ydieresisegrave -111
KPX Ydieresisou -92
KPX Ydieresisocaron -92
KPX Ydieresisohungarumlaut -92
KPX Ydieresisomacron -92
KPX Ydieresisooslash -92
KPX Ydieresisoomacron -92
KPX Ydieresisooring -92
KPX b b -10
KPX b period -40
KPX b u -20
KPX b uacute -20
KPX b ucircumflex -20
KPX b udiereesis -20
KPX b ugrave -20
KPX b uhungarumlaut -20
KPX b umacron -20
KPX b uogonek -20
KPX b uring -20
KPX c h -10
KPX c k -10
KPX c kcommaaccent -10
KPX cacute h -10
KPX cacute k -10
KPX cacute kcommaaccent -10
KPX ccaron h -10
KPX ccaron k -10
KPX ccaron kcommaaccent -10
KPX ccedilla h -10
KPX ccedilla k -10
KPX ccedilla kcommaaccent -10
KPX comma quotedblright -95
KPX comma quoteright -95
KPX e b -10
KPX eacute b -10
KPX ecaron b -10
KPX ecircumflex b -10
KPX edieresis b -10
KPX edotaccent b -10
KPX egrave b -10
KPX emacron b -10
KPX eogonek b -10
KPX f comma -10
KPX f dotlessi -30
KPX f e -10
KPX f eacute -10
KPX f edotaccent -10
KPX f eogonek -10
KPX f f -18
KPX f o -10
KPX f oacute -10
KPX f ocircumflex -10
KPX f ograve -10
KPX f ohungarumlaut -10
KPX f oslash -10
KPX f otilde -10
KPX f period -10
KPX f quoteright 55
KPX k e -30
KPX k eacute -30
KPX x emacron -10
KPX x eogonek -10
KPX y comma -37
KPX y period -37
KPX yacute comma -37
KPX yacute period -37
KPX ydieresis comma -37
KPX ydieresis period -37
EndKernPairs
EndKernData
EndFontMetrics

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Times-BoldItalic.afm
No license file was found, but licenses were detected in source scan.

#############################################################################
# Copyright (C) The Apache Software Foundation. All rights reserved.        #
# -------------------------------------------------------------------------#
# This software is published under the terms of the Apache Software License #
# version 1.1, a copy of which has been included with this distribution in #
# the LICENSE file.                                                         #
#############################################################################

# This file registers the example Bridge extension as a service for the 
# Bridge context.
org.apache.batik.extension.svg.BatikBridgeExtension

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/META-INF/services/org.apache.batik.bridge.BridgeExtension
No license file was found, but licenses were detected in source scan.

StartFontMetrics 4.1
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Comment UniqueID 43051
Comment VMusage 16248 75829
FontName Courier-Oblique
FullName Courier Oblique
FamilyName Courier
Weight Medium
ItalicAngle -12
IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -27 -250 849 805
UnderlinePosition -100
UnderlineThickness 50
Version 003.000
EncodingScheme AdobeStandardEncoding
CapHeight 562
XHeight 426
Ascender 629
Descender -157
StdHW 51
StdVW 51
StartCharMetrics 315
C 32 ; WX 600 ; N space ; B 0 0 0 0 ;
C 33 ; WX 600 ; N exclam ; B 243 -15 464 572 ;
C 34 ; WX 600 ; N quotedbl ; B 273 328 532 562 ;
C 35 ; WX 600 ; N numbersign ; B 133 -32 596 639 ;
C 36 ; WX 600 ; N dollar ; B 108 -126 596 662 ;
C 37 ; WX 600 ; N percent ; B 134 -15 599 622 ;
C 38 ; WX 600 ; N ampersand ; B 87 -15 580 543 ;
C 39 ; WX 600 ; N quoteright ; B 283 328 495 562 ;
C 40 ; WX 600 ; N parenleft ; B 313 -108 572 622 ;
C 41 ; WX 600 ; N parenright ; B 137 -108 396 622 ;
C 42 ; WX 600 ; N asterisk ; B 212 257 580 607 ;
C 43 ; WX 600 ; N plus ; B 129 44 580 470 ;
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C 45 ; WX 600 ; N hyphen ; B 152 231 558 285 ;
C 46 ; WX 600 ; N period ; B 238 -15 382 109 ;
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C 48 ; WX 600 ; N zero ; B 154 -15 575 622 ;
C 49 ; WX 600 ; N one ; B 98 0 515 622 ;
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C 56 ; WX 600 ; N eight ; B 132 -15 588 622 ;
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C 66 ; WX 600 ; N B ; B 43 0 616 562 ;
C 67 ; WX 600 ; N C ; B 93 -18 655 580 ;
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EndKernData
EndFontMetrics

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SVG 1.1 Tiny DTD

This is SVG Tiny, a proper subset of SVG.

The Scalable Vector Graphics (SVG)
(Massachusetts Institute of Technology, Institut National de
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StdVW 140
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KPX T ugrave -90
KPX T umacron -90
KPX T uogonek -90
KPX T w -60
KPX T y -60
KPX T yacute -60
KPX T ydieresis -60
KPX Tcaron A -90
KPX Tcaron Acute -90
KPX Tcaron Abreve -90
KPX Tcaron Acircumflex -90
KPX Tcaron Adieresis -90
KPX Tcaron Agrave -90
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KPX Tcaron Aogonek -90
KPX Tcaron Aring -90
KPX Tcaron Atilde -90
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KPX Y eacute -80
KPX Y ecaron -80
KPX Y ecircumflex -80
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KPX amacron gbreve -10
KPX amacron gcommaaccent -10
KPX amacron v -15
KPX amacron w -15
KPX amacron y -20

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KPX edotaccent w -15
KPX edotaccent x -15
KPX edotaccent y -15
KPX edotaccent yacute -15
KPX edotaccent ydieresis -15
KPX egrave comma 10
KPX egrave period 20
KPX egrave v -15
KPX egrave w -15
KPX egrave x -15
KPX egrave y -15
KPX egrave yacute -15
KPX egrave ydieresis -15
KPX emacron comma 10
KPX emacron period 20
KPX emacron v -15
KPX emacron w -15
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KPX emacron y -15
KPX emacron yacute -15
KPX emacron ydieresis -15
KPX eogonek comma 10
KPX eogonek period 20
KPX eogonek v -15
KPX eogonek w -15
KPX eogonek x -15
KPX eogonek y -15
KPX eogonek yacute -15
KPX eogonek ydieresis -15
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KPX f e -10
KPX f eacute -10
KPX f ecaron -10
KPX f ecircumflex -10
KPX f edieresis -10
KPX f edotaccent -10
KPX f egrave -10
KPX f emacron -10
KPX f eogonek -10
KPX f o -20
KPX f oacute -20
KPX f ocircumflex -20
KPX f odieresis -20
KPX f ograve -20
KPX f ohungarumlaut -20
KPX f omacron -20
KPX f otilde -20
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KPX v acircumflex -20
KPX v adieresis -20
KPX v agrave -20
KPX v amacron -20
KPX v aogonek -20
KPX v aring -20
KPX v atilde -20
KPX v comma -80
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KPX v oacute -30
KPX v ocircumflex -30
KPX v odieresis -30
KPX v ograve -30
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KPX v omacron -30
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KPX y amacron -30
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KPX y atilde -30
Open Source Used in 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13888
KPX zacute emacron 10
KPX zacute eogonek 10
KPX zcaron e 10
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KPX zcaron edieresis 10
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KPX zcaron egrave 10
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KPX zcaron eogonek 10
KPX zdotaccent e 10
KPX zdotaccent eacute 10
KPX zdotaccent ecaron 10
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KPX zdotaccent edieresis 10
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EndKernPairs
EndKernData
EndFontMetrics

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Comment UniqueID 43050
Comment VMusage 39754 50779
FontName Courier
FullName Courier
FamilyName Courier
Weight Medium
ItalicAngle 0
IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -23 -250 715 805
UnderlinePosition -100
UnderlineThickness 50
Version 003.000
EncodingScheme AdobeStandardEncoding
CapHeight 562
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Open Source Used in 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 13894
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  13895
C -1 ; WX 600 ; N lcommaaccent ; B 95 -250 505 629 ;
C -1 ; WX 600 ; N tcaron ; B 87 -15 530 717 ;
C -1 ; WX 600 ; N eogonek ; B 66 -172 548 444 ;
C -1 ; WX 600 ; N Uogonek ; B 17 -172 583 562 ;
C -1 ; WX 600 ; N Aacute ; B 3 0 597 805 ;
C -1 ; WX 600 ; N Adieresis ; B 3 0 597 753 ;
C -1 ; WX 600 ; N egrave ; B 66 -15 548 672 ;
C -1 ; WX 600 ; N zacute ; B 99 0 502 672 ;
C -1 ; WX 600 ; N iogonek ; B 95 -172 505 657 ;
C -1 ; WX 600 ; N Oacute ; B 43 -18 557 805 ;
C -1 ; WX 600 ; N oacute ; B 62 -15 538 672 ;
C -1 ; WX 600 ; N amacron ; B 53 -15 559 565 ;
C -1 ; WX 600 ; N sacute ; B 80 -15 513 672 ;
C -1 ; WX 600 ; N idieresis ; B 95 0 505 620 ;
C -1 ; WX 600 ; N Ocircumflex ; B 43 -18 557 787 ;
C -1 ; WX 600 ; N Ugrave ; B 17 -18 583 805 ;
C -1 ; WX 600 ; N Delta ; B 6 0 598 688 ;
C -1 ; WX 600 ; N thorn ; B -6 -157 555 629 ;
C -1 ; WX 600 ; N twosuperior ; B 177 249 424 622 ;
C -1 ; WX 600 ; N Odieresis ; B 43 -18 557 753 ;
C -1 ; WX 600 ; N mu ; B 21 -157 562 426 ;
C -1 ; WX 600 ; N igrave ; B 95 0 505 672 ;
C -1 ; WX 600 ; N ohungarumlaut ; B 62 -15 580 672 ;
C -1 ; WX 600 ; N Eogonek ; B 53 -172 561 562 ;
C -1 ; WX 600 ; N dcroat ; B 45 -15 591 629 ;
C -1 ; WX 600 ; N threequarters ; B 8 -56 593 666 ;
C -1 ; WX 600 ; N Scedilla ; B 72 -151 529 580 ;
C -1 ; WX 600 ; N elcaron ; B 95 0 533 629 ;
C -1 ; WX 600 ; N Kcommaaccent ; B 38 -250 582 562 ;
C -1 ; WX 600 ; N Lacute ; B 47 0 554 805 ;
C -1 ; WX 600 ; N trademark ; B -23 263 623 562 ;
C -1 ; WX 600 ; N edotaccent ; B 95 0 505 672 ;
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SVG 1.1 Tiny DTD

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Revision: $Id: svg11$

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#############################################################################
# This file registers the example Bridge extension as a service for the
# Bridge context.
# org.apache.batik.apps.svgbrowser.XMLInputHandler

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1.468 lua 5.1.4 15.el7

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1.469 chkconfig 1.7.4

1.470 ant-launcher 1.10.8

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1.475 commons-lang3 3.7

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1.476 newt 0.52.15 4.el7

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Files: include/sysqueue.h, linux/include/libreswan/radij.h, linux/net/ipsec/radij.c

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1.480 redis 3.2.5
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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
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* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
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* Mark M. Hoffman
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* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

1.495 libgpg-error 1.12-3.el7

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* org.eclipse.jetty.orbit.org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

This package was debianized by Nathan Scott nathans@debian.org on Sun, 19 Nov 2000 07:37:09 -0500.

It can be downloaded from ftp://oss.sgi.com/projects/xfs/download/

Copyright:

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On Debian systems, the complete text of the GNU General Public License can be found in /usr/share/common-licenses/GPL file.

The library named "libhandle" and the headers in "xfslibs-dev" are licensed under Version 2.1 of the GNU Lesser General Public License. On Debian systems, refer to /usr/share/common-licenses/LGPL-2.1 for the complete text of the GNU Lesser General Public License.

1.504 vim 7.4.160-5.el7
1.504.1 Available under license :
   *uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

   *uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
   *iccf* *ICCF*
   Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

   http://iccf-holland.org/
   http://www.vim.org/iccf/
   http://www.iccf.nl/

   You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.
The Open Publication License applies to the Vim documentation, see manual-copyright.

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
      - The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and
permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.

- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.

- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the "version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not
Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up makes a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.
needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*
Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) 
is no longer possible, unfortunately. We are looking for 
another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US 
checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They 
take care of the Canadian sponsors for the children in 
Kibaale. KCF forwards 100% of the money to the project in 
Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated 
because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy 
10238-168 Street 
Surrey, B.C. V4N 1Z4 
Canada 
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you 
will receive a tax receipt which can be submitted with your 
tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. 
This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774 
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any 
country, mostly from the post office. Use this name (which is 
in my passport): "Abraham Moolenaar". Use Euro for the 
currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form 
that you can use for this. See "Others" below for the swift 
code and IBAN number.
Any other method should work. Ask for information about 
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is 
the most widely used Internet based payment system. It's 
really simple to use. Use this link to find more info:
The e-mail address for sending the money to is: Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

- Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
  If that doesn't work:
    Rabobank Lisse, account 3765.05.117
  Swift code: RABO NL 2U
  under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

---

vim:tw=78:ts=8:noet:ft=help:norl:

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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**1.510 axiom-api 1.2.7**

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1.511 jackson-databind 2.9.9.3

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* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-jar/org/springframework/core/convert/support/MultiValueMapNumberMapConverterRegistry.java
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* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-
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1.522 mdadm 3.3.2-7.el7

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* javax.transaction:javax.transaction-api
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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.526 spring-context 3.1.4.RELEASE

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/instrument/classloading/oc4j/OC4JClassPreprocessorAdapter.java

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/export/naming/SelfNaming.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/export/assembler/MBeanInfoAssembler.java
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 * @link FactoryBean] that obtains a WebSphere [ @link javax.management.MBeanServer]
 * reference through WebSphere's proprietary <code>AdminServiceFactory</code> API,
 * available on WebSphere 5.1 and higher.
 * 
 * <p>Exposes the <code>MBeanServer</code> for bean references.
 * This FactoryBean is a direct alternative to [ @link MBeanServerFactoryBean],
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 * 
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
 * @see com.ibm.websphere.management.MBeanFactory#deleteMBeanServer()
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
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Kyle Miller, Gregg Dieckhaus, John Lutz, Randy Morin, Fred Domke
Jar w3c_doms contains the test cases from DOMTS 2001, level2.core. Some test cases have been modified, as has been the test harness. For more information on the Dom Conformance Suite, visit http://www.w3.org/DOM/Test/

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1.532 zlib 1.2.3

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1.533 reflections 0.9.10

1.534 javax-ws-rs-api 2.0

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* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/Ternary.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/InternalParseException.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/Identifier.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/TypeLocator.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/common/CompositeStringExpression.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-
jar/org/springframework/expression/spel/ast/VariableReference.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/SpelMessage.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/MethodReference.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/LiteralExpression.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/support/BooleanTypedValue.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
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Found in path(s):
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/OpNE.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/OpLT.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/OpModulus.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/OpGE.java
1.545 apache-log4j 1.2.16

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1.546 libxslt 1.1.28 5.el7

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/niui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c6bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.553 libjpeg 6b

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DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpbgcom.
Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability:
for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
ltconfig, ltmain.sh). Another support script, install-sh, is copyright
by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the un patented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has
been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead;
it's much cheaper and includes a great deal of useful explanatory material.)
In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found...
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only
ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or
on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12
"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers archive sites, including the official news.answers
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a
few of them use this library to do so.) The JPEG FAQ described above lists
some of the more popular free and shareware viewers, and tells where to
obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free
PBMPLUS software, which provides many useful operations on PPM-format image
files. In particular, it can convert PPM images to and from a wide range of
other formats, thus making cjpeg/djpeg considerably more useful. The latest
version is distributed by the NetPBM group, and is available from numerous
sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.
Unfortunately PBMPPLUS/NETPBM is not nearly as portable as the IJG software is;
you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford,
is available from ftp://havefun.stanford.edu/pub/jpeg/. This program
is designed for research and experimentation rather than production use;
it is slower, harder to use, and less portable than the IJG code, but it
is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.
In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions — principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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1.556 taglibs-standard-spec 1.2.5

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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

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1.561 slf4j 1.6.1

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1.562 httpcomponents-core 4.3.1

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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.
Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

1.564 lua 5.1.4 14.el7

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1.567 axiom-impl 1.2.7

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1.568 libxmu 1.1.2-2.el7

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1.580 cactus-12 1.5

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<li class="menuItem">
<a href="/integration/index.html" title="Information on the various methods of running tests with Cactus.">Running Tests</a>
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<li class="menuItem">
<a href="/participating/index.html" title="Information on participating in the development of Cactus.">Participating</a>
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</ul>

<li class="menu">
Miscellaneous<ul>
<li class="menuItem">
<a href="/cactusname.html" title="Some background information about how Cactus got its name.">Why the Name?</a>
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<li class="menuItem">
<a href="/mock_vs_cactus.html" title="Discussion of in-container testing as compared to using a mock objects approach.">Mock vs Container</a>
</li>

<li class="menuItem">
<a href="/testedon.html" title="A list of containers that Cactus was tested on for each release.">Tested On...</a>
</li>

<li class="menuItem">
<a href="/resources/index.html" title="Links to Cactus related resources.">Resources</a>
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<li class="menuItem">
<a href="/sitemap.html" title="List of all site resources.">Sitemap</a>
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</li>
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<div class="section">
<h1>Special thanks</h1>

</div>
Thanks to all that have reported bugs or suggested ideas for Cactus.

Thanks to all that are participating to the Cactus Logo competition.

And, of course ...

Thanks to the Apache Jakarta project for accepting the donation of J2EEUnit (renamed Cactus), thus giving it a home and more importantly a family.

More about us

I started designing internet applications in 1998, when I joined OCTO Technology, an Information System Architecture Consulting company, providing expert IT Solutions and Application Architects in the field of new technologies (Application Servers, EAI, Internet Relationship Management). Very soon, when working on customer projects, I introduced the concept of unit testing (using JUnit) as a good way of writing reliable code. Although it worked very well for unit testing “standard” java classes, it was much more difficult for
classes that used container objects. Thus, I began developing a small
generic framework to help unit test servlets. I improved the
framework as I moved on, from customer to customer.
</p>
<p>
Until it
was time to open source it! There were several drivers for that
decision. As I spread the word about this framework within Octo,
several octomen (and octowoman!) began using it and making
modifications, and we
ended up with several versions of it, making it difficult to
synchronize them (although it was good for the evolutionary and
darwinian side of it :)). Another good reason was that I wanted to
have feedback from the open source community and wanted to get help
to improve it. Also, it was good to be able to provide to our
customers a framework that would continue to evolve and be maintained
even after we left the project. The last reason, maybe the strongest,
is that I have always been fond of
the open source concept and as Octo is providing consulting services,
it did not clash with our business model!
</p>
<p>
Thus, I moved the project to SourceForge and called it J2EEUnit. It
did well and more and more persons were downloading, participating
and using it.
</p>
<p>
Now, most Applications Servers, EAI solutions or IRM ones are
providing an infrastructure on which to build applications. But once
you've bought the server, you're far from being finished ... There is
the business logic code to write but there is also a lot of "glue" to
implement. These are technical frameworks like a Controller of the
MVC model, a logging framework, an XML-Java mapping one,
application configuration, localization, templating, ... And usually
these frameworks are not provided in the software package you buy.
And even if they are (logging for example), they are not best of
breed ones. For these frameworks, I have always been using open
source solutions so far (Struts, Log4j, Ant, ...). Thus, I was
lurking on Jakarta mailing-lists when I heard about a new project
starting, called "Commons" which was to be a place where common
components useful for several Jakarta projects would be found. I
thought the idea of having a server-side java unit testing framework
for Jakarta project (which are server side projects) was a good idea.
I proposed to donate J2EEUnit to the Apache Software Foundation ...
and I was lucky enough it was accepted! :-)

However, the J2EEUnit name was infringing on the Sun trademark on J2EE so we had to change the name. It was changed to Cactus (see the "Why the name?" page for why this name). I found that in the move from SourceForge to Jakarta, I had found a new home for Cactus but, more importantly, I had found a family! The sense of Community is very strong on Jakarta. You can feel right away the atmosphere and see it is different from other places.

Then, thanks to Cactus growing community, our efforts were rewarded and Cactus was accepted as a Jakarta top level project, alongside the renowned Tomcat, Ant, Struts, ... waowww!

We are now busy improving Cactus and looking for help. The first step was to get Cactus up and running and demonstrate it worked and is useful. This step has been achieved (I hope :)). The second step is now to build a community around Cactus and find persons who are willing to actively participate in the future of it. Unit testing has still not reached the mainstream of development practices but is in the process of doing so with increasing interest in lightweight (also called "Agile") methodologies like Extreme Programming (XP). On the other hand, java server side programming is becoming stronger every day. This is to say that there is a bright future ahead for Cactus and there is still everything to invent.

Although the project started as a one-man project, my goal has always been to relinquish as much as possible my hold on Cactus and make it a community-wide project. This is a work in progress and I am proud to say that I am no longer the only committer on the project and several persons have jumped aboard and are already helping shape Cactus future. Come and help us! :)

More info on my current open source involvements can be found here.
Nicholas Lesiecki -- Committer

I became involved in Cactus while co-authoring [Java Tools for Extreme Programming](http://www.amazon.com/exec/obidos/ASIN/047120708X/). (See our [resources](../resources/index.html#xp_book) section for details.) While researching the framework I found myself making some suggestions on the project's mailing list. One thing led to another, and now I am graced with committer status.

I currently work as a Technical Team Lead at [eBlox, Inc.](http://www.eblox.com), a consulting and ecommerce application development shop. Right now I lead development of the company's flagship online catalog system, [storeBlox](http://eblox.com/storeblox.php). As such, I'm always working on new ways to test J2EE components, and so my involvement with Cactus is natural.

I'm excited about Cactus 2.0, which we hope will usher in the next phase in in-container testing by providing a more abstract framework for interacting with a wider variety of containers (EJB, JMS, etc.).
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<one line to give the program's name and a brief idea of what it does.>
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    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

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1.583 python 2.7.5
1.583.1 Available under license :

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.. highlightlang:: none

.. _history-and-license:

*******************
History and License
*******************

History of the software
=================================

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl/) in the Netherlands as a
successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see http://www.cnri.reston.va.us/) in Reston,
Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
http://www.python.org/psf/) was formed, a non-profit organization created
specifically to own Python-related Intellectual Property. Zope Corporation is a
sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org/ for the Open
Source Definition). Historically, most, but not all, Python releases have also
been GPL-compatible; the table below summarizes the various releases.

+----------------+--------------+-----------+------------+-----------------+
| Release        | Derived from | Year      | Owner      | GPL compatible? |
|----------------+--------------+-----------+------------+-----------------+
| 0.9.0 thru 1.2 | n/a          | 1991-1995 | CWI        | yes             |
+----------------+--------------+-----------+------------+-----------------+
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes             |
+----------------+--------------+-----------+------------+-----------------+
| 1.6            | 1.5.2        | 2000      | CNRI       | no              |
+----------------+--------------+-----------+------------+-----------------+
| 2.0            | 1.6          | 2000      | BeOpen.com | no              |
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----------------

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   A C-program for MT19937, with initialization improved 2002/1/26.
   Coded by Takuji Nishimura and Makoto Matsumoto.

   Before using, initialize the state by using init_genrand(seed)
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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with Python standard

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--------------------------------------------

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strtod and dtoa

---------------

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g Utils.c
lib/gssapi/mechglue/g verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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cmd/krb5/iprop/iprop.x

cmd/krb5/iprop/iprop_hdr.h

cmd/krb5/kadmin/server/ipropd_svc.c

cmd/krb5/kproplog/kproplog.c

cmd/krb5/slave/kpropd_rpc.c

lib/gss_mechs/mech_krb5/et/kdb5_err.c

lib/gss_mechs/mech_spnego/mehc/gssapiP_spnego.h

lib/gss_mechs/mech_spnego/mehc/spnego_mech.c

lib/krb5/kadm5/kadm_host_srv_names.c

lib/krb5/kdb/kdb_convert.c

lib/krb5/kdb/kdb_hdr.h

lib/krb5/kdb/kdb_log.c

lib/krb5/kdb/kdb_log.h

lib/libgss/g_accept_sec_context.c

lib/libgss/g_acquire_cred.c

lib/libgss/g_canon_name.c

lib/libgss/g_compare_name.c

lib/libgss/g_context_time.c

lib/libgss/g_delete_sec_context.c

lib/libgss/g_dsp_name.c

lib/libgss/g_dsp_status.c

lib/libgss/g_dup_name.c

lib/libgss/g_exp_sec_context.c

lib/libgss/g_export_name.c

lib/libgss/g_glue.c

lib/libgss/g_imp_name.c

lib/libgss/g_imp_sec_context.c

lib/libgss/g_init_sec_context.c

lib/libgss/g_initialize.c

lib/libgss/g_inquire_context.c

lib/libgss/g_inquire_cred.c

lib/libgss/g_inquire_names.c

lib/libgss/g_process_context.c

lib/libgss/g_rel_buffer.c

lib/libgss/g_rel_cred.c

lib/libgss/g_rel_name.c

lib/libgss/g_rel_oid_set.c

lib/libgss/g_seal.c

lib/libgss/g_sign.c

lib/libgss/g_store_cred.c

lib/libgss/g_unseal.c

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lib/libgss/g_utils.c

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1.592 jackson-mapper-asl 1.8.0

1.593 commons-lang3 2.6

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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

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

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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subsequent copies and derivative works made from that copy.

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

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

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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

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

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

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

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

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1.614 grep 2.20 3.el7
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1.615 libverto 0.2.5

1.616 libedit 3.0-12.20121213cvs.el7

1.616.1 Available under license:

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1.617 gstreamer 1.10.4-2.el7

1.617.1 Available under license:

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Can someone distribute the combination of

GStreamer, the LGPL library
MyPlayer, a GPL playback application
The binary-only Sorenson decoder

together in one distribution/operating system? If not, what needs to be changed to make this possible?

This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.
If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can’t get around the GPL just by including a LGPL bit in the middle.

Note: MyPlayer is a completely fictitious application at the time of writing.

Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above. Can Apple distribute this binary-only plugin?

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

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

You may not distribute the plug-in with the GPL application. Distributing the plug-in alone, with the knowledge that it will be used primarily by GPL software is a bit of an edge case. We will not advise you that it would be safe to do so, but we also will not advise you that it would be absolutely forbidden.
Can someone in a country that does not have software patents distribute code covered by US patents under the GPL to people in, for example, Norway? If he/she visits the US, can he/she be arrested?

Yes, he can.

No, there are no criminal penalties for patent infringement in the US.

Can someone from the US distribute software covered by US patents under the GPL to people in Norway? To people in the US?

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

There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project?
The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.

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

*If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all.*

So let's say there is a court judgement. Does this mean that the GPL license is invalid for the project everywhere, or only in the countries where it conflicts with the applicable patents?

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

Patented decoding can be implemented in GStreamer either by having a binary-only plugin do the decoding, or by writing a plugin (with any applicable license) that links to a binary-only library. Does this affect the licensing issues involved in regards to GPL/LGPL?
Is it correct that you cannot distribute the GPL mad library to decode mp3's, *even* in the case where you have obtained a valid license for decoding mp3?

The only GPL-compatible patent licenses are those which are open to all parties possessing copies of GPL software which practices the teachings of the patent.

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

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

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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1.618 jq 1.6.1
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1.619 dom4j 1.1

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1.627 e2fsprogs 1.42.9 10.el7

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===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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-
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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# This is a Makefile stub which handles the creation of BSD shared libraries.

# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$((INSTALL_PROGRAM) $(BSD_LIB))
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-shlibs-strip: install

install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Theodore Ts'o
23-June-2007

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1.632 commons-logging 1.1.1

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1.633 grizzly-framework 2.1.11

1.634 acl 2.2.51 14.el7

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 15484
I've modified a (modified) version of Bill Rosenblatt's ksh debugger

to work with bash-2.0. Does ORA have any problem with me distributing

it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and

stick it in our ftp archive, and put a reference to it in the book.

(Too late to actually discuss the thing, at least for this edition).

-------

Sure. The canonical versions are available on ftp.armory.com; you might

want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

]} Subject: ksh scripts
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

``The lyf so short, the craft so long to lerne.`` - Chaucer

Chet Ramey, Case Western Reserve University

From friedman@cli.com Thu May 25 12:19:06 1995

Flags: 10

Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins) id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3) id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1) id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

1.670 jackson-datatype-guava 2.10.2

1.670.1 Available under license:

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Version 2.0, January 2004
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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
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6. As an exception to the Sections above, you may also combine or
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at least
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/aop/support/DynamicMethodMatcherPointcut.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/aop/support/StaticMethodMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/aop/MethodBeforeAdvice.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/framework/framework/autoproxy/TargetSourceCreator.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/framework/framework/support/DynamicMethodMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/framework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java

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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
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jar/org/springframework/aop/framework/autoproxy/AbstractAdvisorAutoProxyCreator.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
jar/org/springframework/aop/support/AbstractRegexpMethodPointcut.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
jar/org/springframework/aop/support/JdkSimplePointcut.java
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jar/org/springframework/aop/framework/ProxyFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/autoproxy/AutoProxyUtils.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/autoproxy/AutoProxyUtils.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/config/AopNamespaceUtils.java
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/opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
/opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/support/adapter/AdvisorAdapterRegistrationManager.java
/opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/aspectj/MetadataAwareAspectInstanceFactory.java
/opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/SpringProxy.java
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/opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/aspectj/AbstractPoolingTargetSource.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources.jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/support/AbstractExpressionPointcut.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/config/AdvisorEntry.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/aspectj/AspectJMethodBeforeAdvice.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/autoproxy/target/LazyInitTargetSourceCreator.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/autoproxy/target/QuickTargetSourceCreator.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/aspectj/TypePatternClassFilter.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/support/NameMatchMethodPointcutAdvisor.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/support/BeanExpressionContext.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/NamedBean.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionDecorator.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionDocumentReader.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/BeanMetadataElement.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/BeanInstantiationException.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/InvalidPropertyException.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionStoreException.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/NullValueInNestedPathException.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/...
jar/org/springframework/beans/MethodInvocationException.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
ar/jar/org/springframework/beans/factory/parsing/propertyeditors/URIEditor.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/config/SmartInstantiationAwareBeanPostProcessor.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/support/GenericBeanDefinition.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/NotWritablePropertyException.java
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jar/org/springframework/beans/PropertyAccessorUtils.java
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jar/org/springframework/beans/BeanUtils.java
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jar/org/springframework/beans/propertyeditors/URIEditor.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/config/PlaceholderConfigurerSupport.java
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jar/org/springframework/beans/factory/support/InstantiationStrategy.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/BeanMetadataAttributeAccessor.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/factory/support/LookupOverride.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/propertyeditors/PatternEditor.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/support/AbstractAutoWireCapableBeanFactory.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/support/DefaultListableBeanFactory.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/support/DefaultListableBeanFactory.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/support/AbstractAutoWireCapableBeanFactory.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/support/BeanDefinitionValueResolver.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
Found in path(s):
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/propertyeditors/LocaleEditor.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/factory/InitializingBean.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/factory/config/SortDefinition.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/factory/config/DisposableBean.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/factory/access/BootstrapException.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/factory/config/BeanFactoryPostProcessor.java
1.675 ceph 0.94.5

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1.680 compatgss32 3.2.3
1.680.1 Available under license :

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

HISTORY -

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

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

Some other contributors:

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

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

# Exactly the same as t-mips, except we must define SYSTEM_HEADER_DIR
# to point to the bsd43 include files.
SYSTEM_HEADER_DIR = /bsd43/usr/include

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Version 2.1, February 1999

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# BSD on the PA already has ANSI include files which are c++ compatible.

STMP_FIXPROTO=

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Version 2, June 1991

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1.691 jackson-databind 2.11.2

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1.692 tcp-wrappers 7.6-77.el7

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1.700 elfutils 0.163 3.el7

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1.703 jersey-common 2.13

1.704 struts2-junit-plugin 2.5.20

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Other developers who have contributed code are:

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This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Theodore Ts'o
23-June-2007

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+++ tdbsa/tdb.c

--- tdbsa.orig/tdb.c
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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1.725 sysv-init 2.88

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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
*Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.728 httpcomponents-mime 4.5.12
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1.729 jackson-dataformat-cbor 2.11.2

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Manifest-Version: 1.0
Bnd-LastModified: 1596396769894
Build-Jdk-Spec: 1.8
Bundle-Description: Support for reading and writing Concise Binary Object Representation (CBOR) encoded data using Jackson abstractions (streaming API, data binding, tree model)
Bundle-DocURL: http://github.com/FasterXML/jackson-dataformats-binary
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Jackson dataformat: CBOR
Bundle-SymbolicName: com.fasterxml.jackson.dataformat.jackson-dataformat-cbor
Bundle-Vendor: FasterXML
Bundle-Version: 2.11.2
Created-By: Apache Maven Bundle Plugin
Implementation-Build-Date: 2020-08-02 19:32:26+0000
Implementation-Title: Jackson dataformat: CBOR
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.jackson.dataformat
Implementation-Version: 2.11.2
Import-Package: com.fasterxml.jackson.core;version="[2.11,3)",com.fasterxml.jackson.core.base;version="[2.11,3)",com.fasterxml.jackson.core.format;version="[2.11,3)",com.fasterxml.jackson.core.io;version="[2.11,3)",com.fasterxml.jackson.core.json;version="[2.11,3)",com.fasterxml.jackson.core.sym;version="[2.11,3)",com.fasterxml.jackson.core.util;version="[2.11,3)",com.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson.databind.cfg;version="[2.11,3)",com.fasterxml.jackson.dataformat.cbor;version="[2.11,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Specification-Title: Jackson dataformat: CBOR
Specification-Vendor: FasterXML
Specification-Version: 2.11.2
Tool: Bnd-5.1.1.202006162103
X-Compile-Source-JDK: 1.7
X-Compile-Target-JDK: 1.7

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1085183059_1598913493.63/0/jackson-dataformat-cbor-2-11-2-jar/META-INF/MANIFEST.MF

1.730 libdevmapper 1.02.140-8.el7

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1.733 e2fsprogs 1.42.9-13.el7

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Index: tdbsa/tdb.c
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--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

 - trivial database library - private includes
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o
23-June-2007

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003
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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:	$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$($(BSDLIB_PIC_FLAG)
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "$INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB)
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs
uninstall-shlibs
uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

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1.734 wsdl4j 1.5.1

1.735 commons-validator 1.6

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John

On May 9, 1:36pm, Chet Ramey wrote:

<table>
<thead>
<tr>
<th>Subject: ksh scripts</th>
</tr>
</thead>
<tbody>
<tr>
<td>From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995</td>
</tr>
<tr>
<td>Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;</td>
</tr>
<tr>
<td>9 May 95 10:39 PDT</td>
</tr>
<tr>
<td>Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)</td>
</tr>
<tr>
<td>id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)</td>
</tr>
<tr>
<td>Date: Tue, 9 May 1995 13:36:54 -0400</td>
</tr>
<tr>
<td>From: Chet Ramey <a href="mailto:chet@odin.ins.cwru.edu">chet@odin.ins.cwru.edu</a></td>
</tr>
<tr>
<td>To: <a href="mailto:john@armory.com">john@armory.com</a></td>
</tr>
<tr>
<td>Subject: ksh scripts</td>
</tr>
</tbody>
</table>
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
"The lyf so short, the craft so long to lerne." - Chaucer

Chet Ramey, Case Western Reserve University
Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

1.744 util-linux 2.23.2-43.el7

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Initialize empty image

t1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot      Start         End      Blocks   Id  System
-------------------

Create 1st primary partition
ada64ace122978d00d1d10e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot      Start         End      Blocks   Id  System
__ts_dev__1  2048        4095        1024   83  Linux

-------------------

Create 2st primary partition
1bebf87248e056e6e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
__ts_dev__2 4096 20479 8192 a5 FreeBSD
--------
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsiz bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
### BSD disklabel command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the `write` command.

### BSD disklabel command (m for help):

<table>
<thead>
<tr>
<th>#</th>
<th>start</th>
<th>end</th>
<th>size</th>
<th>fstype</th>
<th>[fsize bsize cpg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>a:</td>
<td>4096</td>
<td>6144</td>
<td>2049</td>
<td>4.2BSD</td>
<td>0 0 0</td>
</tr>
<tr>
<td>c:</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>unused</td>
<td>0 0</td>
</tr>
<tr>
<td>d:</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>unused</td>
<td>0 0</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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1.748 atk 2.28.1-1.el7

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
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References

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1.759 libxtst 1.2.3-1.el7

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1.760 libssh2 1.8.0

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1.761 zlib 1.1.3

1.762 openscap 1.2.17-2.el7

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api
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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.772 pinentry 0.8.1-17.el7
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1.775 openssl 1.0.2k-16.el7

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collect/Comparators.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/graph/ValueGraph.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/MapRetrievalCache.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/MapIteratorCache.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/GraphConstants.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/NetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/EndpointPairIterator.java
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jar/com/google/common/graph/BaseGraph.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/Traverser.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/AbstractBaseGraph.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/io/MultiReader.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/CharMatcher.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/primitives/Floats.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/primitives/Booleans.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/primitives/Ints.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/primitives/Shorts.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/primitives/Longs.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/primitives/Chars.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collect/FluentIterable.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/Stopwatch.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/InetAddresses.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/Stopwatch.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/internal/Finalizer.java
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  jar/com/google/common/collection/SortedMultisets.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/SortedMultiset.java
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  jar/com/google/common/collection/Sets.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/AbstractListMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/ForwardingMap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/ForwardingListIterator.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/LinkedListMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/ReverseNaturalOrdering.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/AbstractSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/Multimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/ImmutableSet.java
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/*
 * This following method is a modified version of one found in
 * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/hash/Striped64.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/cache/LongAdder.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/PatternCompiler.java
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*/
/**
* Returns an array containing all of the elements in the specified collection. This method
* returns the elements in the order they are returned by the collection's iterator. The returned
* array is "safe" in that no references to it are maintained by the collection. The caller is
* thus free to modify the returned array.
* 
* <p>This method assumes that the collection size doesn't change while the method is running.
* 
* <p>TODo(kevinb): support concurrently modified collections?
* 
* @param c the collection for which to return an array of elements
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/Platform.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/TreeBasedTable.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/HashBasedTable.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/Collections2.java

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jar/com/google/common/collect/Range.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/ImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/ImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/ImmutableMultiset.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/Table.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/StandardRowSortedTable.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/PeekingIterator.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/ImmutableEntry.java

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 */
/**
 * Outer class that exists solely to let us write { @code Partially.GwtIncompatible} instead of plain
 * { @code GwtIncompatible}. This is more accurate for { @link Futures#catching}, which is available

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* under GWT but with a slightly different signature.
*<p>We can't use `@code PartiallyGwtIncompatible` because then the GWT compiler wouldn't recognize
* it as a `@code GwtIncompatible` annotation. And for `@code Futures.catching`, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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  jar/com/google/common/collection/ImmutableMapEntry.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/io/MoreFiles.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/base/Ascii.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/util/concurrent/Atomics.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/net/package-info.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/base/Strings.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/annotations/Beta.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/Splitter.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collect/Cut.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/escape/Escapers.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/xml/XmlEscapers.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/escape/ArrayBasedEscaperMap.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/util/cache/LocalCache.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collect/RegularImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/io/ByteArrayDataInput.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/coll/ImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/coll/ForwardingTable.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/coll/ImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/coll/ImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/coll/SingletonImmutableTable.java
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  jar/com/google/common/coll/ImmutableClassToInstanceMap.java
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  jar/com/google/common/coll/ImmutableEnumSet.java
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 */
/**
 * Holder for extra methods of {code Objects} only in web. Intended to be empty for regular
 * version.
 */

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableList.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/TreeTraverser.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collection/FilteredEntryMultimap.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collection/FilteredEntrySetMultimap.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableMultiset.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/math/Quantiles.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/eventbus/SubscriberRegistry.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/util/concurrent/FuturesGetChecked.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableBiMap.java
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*/
/**
* Not supported. <b>You are attempting to create a map that may contain a non-[@code Comparable] key.</b> Proper calls will resolve to the version in [@code ImmutableSortedMap], not this dummy version.
* 
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type [@code Comparable] to use [@link ImmutableSortedMap#of(Comparable, Object)].</b>
*/

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 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/AbstractSequentialIterator.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/MinMaxPriorityQueue.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/RowSortedTable.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/ForwardingSetMultimap.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/ForwardingSortedSetMultimap.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/ForwardingListMultimap.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/SortedMapDifference.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
 * jar/com/google/common/collection/ForwardingImmutableCollection.java
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* /opt/ws_local/PERMITS_SQL/1041686918_1591126131.55/0/nuprocess-1-0-4-sources-jar/com/zaxxer/nuprocess/codec/NuCharsetEncoderHandler.java

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 * Base constructor.
 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 * <p>
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
 * 
 */

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* /opt/ws_local/PERMITS_SQL/1089947271_1601369618.24/0/bcpkix-fips-1-0-3-sources.jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

1.788 javax-annotation-api 1.2

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1.792 jackson-datatype-joda 2.7.9

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http://xml.apache.org/dist/xerces-j/

Download both the Xerces-J-src.X.Y.Z.zip and Xerces-J-tools.X.Y.Z.zip files for the appropriate Xerces release (where "X.Y.Z" is the version number) and extract them in the same directory. If you are using Unix, download the equivalent .tar.gz files instead of the .zip files.

You also need to have a Java Development Kit (JDK) version 1.2 (or higher) installed on your system. Before initiating any part of the build, set the JAVA_HOME environment variable to the installation directory of your JDK.

The Ant program is used to build everything in Xerces, including the documentation. This tool, and the others needed (besides the pre-requisite JDK) are contained within the tools package. To make building the packages easier, a Windows batch file and a Unix shell script are included.

If you only want to compile the source code and make the JAR files, run the following command on Windows:

    build.bat jars

or from Unix (make sure that build.sh is executable):

    build.sh jars

This will compile all of the source code and generate the JAR files that are available as part of the binary package. After building, these files will be located in the build/ directory.

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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* /
/**
* Indicates that a component is only eligible for registration when all
* {[@linkplain #value specified conditions]} match.
*
* &lt;p&gt;A &lt;em&gt;condition&lt;/em&gt; is any state that can be determined programatically
* before the bean definition is due to be registered (see {[@link Condition] for details).
*
* &lt;p&gt;The {[@code @Conditional]} annotation may be used in any of the following ways:
* &lt;ul&gt;
* &lt;li&gt;as a type-level annotation on any class directly or indirectly annotated with
* {[@code @Component], including {[@link Configuration @Configuration] classes</li&gt;
* &lt;li&gt;as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li&gt;
* &lt;li&gt;as a method-level annotation on any {[@link Bean @Bean] method</li&gt;
* &lt;/ul&gt;
*
* &lt;p&gt;If a {[@code @Configuration]} class is marked with {[@code @Conditional]},
* all of the {[@code @Bean] methods, {[@link Import @Import] annotations, and
* {[@link ComponentScan @ComponentScan] annotations associated with that
* class will be subject to the conditions.
*  
* <p><strong>NOTE</strong>: Inheritance of [code @Conditional] annotations is not supported; any conditions from superclasses or from overridden methods will not be considered. In order to enforce these semantics, [code @Conditional] itself is not declared as [link java.lang.annotation.Inherited @Inherited]; furthermore, any custom composed annotation that is meta-annotated with [code @Conditional] must not be declared as [code @Inherited].
*  
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/context/annotation/Conditional.java
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*/
/**
* Abstract the invocation of a cache operation.
*  
* <p>Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
*  
* @author Stephane Nicoll
* @since 4.1
*/
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/**
 * @link FactoryBean that obtains a WebSphere @link javax.management.MBeanServer
 * reference through WebSphere's proprietary @code AdminServiceFactory API,
 * available on WebSphere 5.1 and higher.
 *
 * Exposes the @code MBeanServer for bean references.
 * This FactoryBean is a direct alternative to @link MBeanServerFactoryBean,
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * See the javadocs for WebSphere's
 * @code AdminServiceFactory</a>
 * and @code MBeanFactory</a>.
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

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jar/org/springframework/jmx/export/assembler/MetadataMBeanInfoAssembler.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/scheduling/annotation/AsyncAnnotationAdvisor.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/context/event/SimpleApplicationEventMulticaster.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/context/annotation/Profile.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/cache/interceptor/CacheOperationExpressionEvaluator.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/context/support/DefaultMessageSourceResolvable.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/context/event/AbstractApplicationEventMulticaster.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/scripting/jruby/JRubyScriptFactory.java
*/opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/context/annotation/ConfigurationClassUtils.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/annotation/Configuration.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/scripting/jruby/JRubyScriptUtils.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/scripting/context/event/GenericApplicationListenerAdapter.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/instrument/classloading/jboss/JBossModulesAdapter.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/support/ApplicationListenerDetector.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/validation/beanvalidation/LocalValidatorFactoryBean.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/rmi/RemoteInvocationSerializingExporter.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/cache/interceptor/CacheOperation.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/validation/FieldError.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/stereotype/Component.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/scripting/support/ScriptFactoryPostProcessor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/instrument/classloading/websphere/WebSphereClassPreDefinePlugin.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/scheduling/concurrent/ConcurrentTaskScheduler.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/support/MessageSourceAccessor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/annotation/SpringCacheAnnotationParser.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/expression/StandardBeanExpressionResolver.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/support/RemoteExporter.java
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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/cache/annotation/EnableCaching.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/stereotype/Controller.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/support/SimpleThreadScope.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java

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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/annotation/ScopedProxyCreator.java

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  jar/org/springframework/format/number/CurrencyFormatter.java
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  jar/org/springframework/jmx/export/annotation/ManagedResource.java
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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/jmx/export/assembler/AutodetectCapableMBeanInfoAssembler.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/remoting/rmi/RmiServiceExporter.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/jndi/JndiTemplateEditor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/remoting/support/RemoteInvocationBasedAccessor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/remoting/support/DefaultRemoteInvocationExecutor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/remoting/rmi/CodebaseAwareObjectInputStream.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/scheduling/support/ScheduledMethodRunnable.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/cache/support/SimpleValueWrapper.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/jmx/export/MBeanExporterListener.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/context/event/ContextStartedEvent.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/context/access/DefaultLocatorFactory.java
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1.804 perl 5.16.3-292.el7
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---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-
build@perl.org>,"
built_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

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--------------------------------------------------------------------------
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#------------------------------------------#
# Create test distribution
#------------------------------------------#

{ my $dist = DistGen->new(
   name => 'Simple::Name',
   version => '0.01',
   license => 'perl'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
   "license 'perl' is valid"
);
my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources} {license}, "http://dev.perl.org/licenses/", "META license URL is correct" );

}

my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare', "license 'VaporWare' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources} {license}, "http://example.com/vaporware/", "META license URL is correct" );

#
# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
This module is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

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Version 1, February 1989

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The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License.  Of course, the
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
That's all there is to it!

1.805 protobuf-java 3.11.3

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* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/ExtensionSchemaFull.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/ProtobufLists.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/UnknownFieldSetSchema.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/MessageLite.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/NioByteString.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/google/protobuf/api.proto
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/google/protobuf/duration.proto
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* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/Service.java
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* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/UnknownFieldSetLite.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/UnsafeByteOperations.java
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* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/MapEntry.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/empty.proto
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* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/RpcUtil.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/LazyFieldLite.java
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* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/AbstractMessage.java
* /opt/ws_local/PERMITS_SQL/1067583967_1594968612.92/0/protobuf-java-3-11-3-sources-jar/com/google/protobuf/SingleFieldBuilder.java
1.806 openssl 1.0.2u

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1.811 bridgeutils 1.5 9.el7

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1.812 libsemanage 2.5-14.el7

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see CREDITS file.
1.815 mesa 18.0.5-3.el7
1.815.1 Available under license:
Legal characters in GLSL are:

* Identifier characters:
  * Letters a-z
  * Letters A-Z
  * Underscore
  * Numbers 0-9

* Punctuation:
  * Period, plus, dash, slash, asterisk, percent, angled brackets,
  * square brackets, parentheses, braces, caret, vertical bar,
  * ampersand, tilde, equals, exclamation point, colon, semicolon,
  * comma, and question mark
* Special:
*   Number sign (as used in preprocessor)
*   Backslash just before newline as line continuation
*   White space:
*   Space, horizontal tab, vertical tab, form feed, carriage-return,
*   and line-feed.
* [GLSL Language Specification 4.30.6, section 3.1]
* In this file, we test each of these in turn as follows:
*   Identifier characters: All pass through unchanged
*   Punctuation: All pass through unchanged
*   Special: Empty directive replaced with blank line
*   Line continuation merges two lines, then a blank line
*   Whitespace: 4 horizontal space characters each replaced with space
*   2 newline characters each replaced with a newline
*/
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLM NOPQRSTUVWXYZ
_0123456789
.+
-/*
%
<>
[]()
{}
^|
&~
=
!
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IN THE SOFTWARE.
Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> >
> > What we meant with that is that we made an exception for clause 2.
> > Instead of clause 2, in the case of the Mesa project, you have to name
> > the technique Jimenez's MLAA in the config options of Mesa. We did that
> > just to allow them to solve license issues. This exception should be for
> > the Mesa project, and any project using Mesa, like Fedora.
> >
> > We want to widespread usage of our MLAA, so we want to avoid any kind of
> > license complications. Hope current one is good for Fedora, if not
> > please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez.

Specifically, if this is done as part of documentation included with Mesa, is that sufficient to meet clause 2 even if the Mesa config option is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological anti-aliasing based on Jimenez\'s MLAA. 0 to disable, 8 for default quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.
The license says:

* 2. Redistributions in binary form must reproduce the following statement:
  *
  * "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
    * Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
  *
  * Only for use in the Mesa project, this point 2 is filled by naming the
    * technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==

Fedora Project
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
<head>
<meta http-equiv="content-type" content="text/html; charset=utf-8">
<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>

<div class="header">
  <h1>The Mesa 3D Graphics Library</h1>
</div>
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The core Mesa library is licensed according to the terms of the MIT license. This allows integration with the XFree86, Xorg and DRI projects.

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<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
</tr>
<tr>
<td>Ext headers</td>
<td>include/GL/glext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td>GLX client code</td>
<td>src/glx/</td>
<td>SGI Free Software License B</td>
</tr>
</tbody>
</table>
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---

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  jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-
  jar/org/springframework/web/bind/annotation/support/HandlerMethodInvocationException.java
* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-jar/org/springframework/web/util/TagUtils.java
* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-jar/org/springframework/web/bind/ServletRequestBindingException.java
* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-jar/org/springframework/web/jsf/FacesContextUtils.java

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jar/org/springframework/web/util/HttpSessionMutexListener.java
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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources.jar/org/springframework/web/context/support/StandardServletRequest.java
* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources.jar/org/springframework/web/context/support/StandardServletConfig.java

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- web-common_3_0.xsd
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1.827 pygobject 2.28.6
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1.833 linuxconsoletools 1.4.5-3.el7

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1.835 standard 1.1.2

1.836 p11-kit 0.23.5-3.el7

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1.837 nmap 6.40-7.el7

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  http://code.google.com/p/libdnet/
- PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory.
  http://www.pcre.org/
- liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.
  http://www.lua.org/
- OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
  http://www.openssl.org/
- LIBLINEAR. Used for IPv6 OS classification.
  http://www.csie.ntu.edu.tw/~cjlin/liblinear/
- libsvn. The Subversion library, used by the updater program nmap-update.
  http://subversion.apache.org/
- APR (Apache Portable Runtime). Used by libsvn.
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On Windows only, Nmap uses:
- WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
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Zenmap and Ndiff require:
- Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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For the Rhino JavaScript engine js-1.6R7.jar:

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activation-1.1.jar,
jaxb-api-2.1.jar,
jaxb-impl-2.1.7.jar,
jaxb-xjc-2.1.7.jar,
jsr181-api-1.0-MR1.jar,
jsr250-api-1.0.jar,
jaxws-api-2.1.jar,
servlet-api-2.5.jar,
stax-api-1.0.2.jar

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1.851 jackson-databind 2.10.1

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1.853 bind-libs-lite 9.9.4

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<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
  3a0982da308228d796df35f98d787c5cff2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
  These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.

  Author: Julio Merino <jmmv84@gmail.com>

===========================================================================
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1.854 fontconfig 2.13.0 4.3.el7

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1.855 metrics-core 3.0.2

1.856 cairo 1.14.8 2.el7

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1.861 libuser 0.60-7.el7_1

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1.863 pkix-ssh 10.1

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

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,
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End

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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
jar/javax/validation/executable/ValidateOnExecution.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
jar/javax/validation/ElementKind.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
jar/javax/validation/metadata/ReturnValueDescriptor.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
jar/javax/validation/executable/ExecutableValidator.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
jar/javax/validation/executable/ExecutableType.java

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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
  jar/javax/validation/metadata/ExecutableDescriptor.java

1.882 jackson-annotations 2.9.9

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1.883 jersey-client 2.10.1

1.884 libsepol 2.5-10.el7

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1.892.1 1.892 libuser 0.60-9.el7

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1.893 commons-discovery 0.2

1.894 libdnet 1.12-13.1.el7
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1.895 javassist 3.21.0-GA

1.896 libice 1.0.9-9.el7

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 *
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 */

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*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/cdjpeg.c

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* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/TJBench.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/turbojpeg.h
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jccolor.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jchuff.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/tjbench.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/tjunittest.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/turbojpeg.c

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

/*
 * jccolor.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2009-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input colorspace conversion routines.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jccolor.c

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

/*
 * jchuff.c
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains Huffman entropy encoding routines.
* Much of the complexity here has to do with supporting output suspension.
* If the data destination module demands suspension, we want to be able to
* back up to the start of the current MCU. To do this, we copy state
* variables into local working storage, and update them back to the
* permanent JPEG objects only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jchuff.c
No license file was found, but licenses were detected in source scan.

/*
* jdmrgext.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains code for merged upsampling/color conversion.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jdmrgext.c
No license file was found, but licenses were detected in source scan.

/*
* jdatadst-tj.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2012 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains compression data destination routines for the case of
  * emitting JPEG data to memory or to a file (or any stdio stream).
  * While these routines are sufficient for most applications,
  * some will want to use a different destination manager.
  * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
    * JOCTETs into 8-bit-wide elements on external storage. If char is wider
  * than 8 bits on your machine, you may need to do some tweaking.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRy1W4/libjpeg-turbo-1.2.90/jdatadst-tj.c
No license file was found, but licenses were detected in source scan.

; jdct.inc - private declarations for forward & reverse DCT subsystems
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; Each IDCT routine is responsible for range-limiting its results and
; converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could
; be quite far out of range if the input data is corrupt, so a bulletproof
; range-limiting step is required. We use a mask-and-table-lookup method
; to do the combined operations quickly.
;
%define RANGE_MASK  (MAXJSAMPLE * 4 + 3)  ; 2 bits wider than legal samples

%define ROW(n,b,s)((b)+(n)*(s))
%define COL(n,b,s)((b)+(n)*(s)*DCTSIZE)

%define DWBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_DWORD)
%define MMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
%define XMMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)

; ----------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRy1W4/libjpeg-turbo-1.2.90/simd/jdct.inc
No license file was found, but licenses were detected in source scan.
; jcolsamp.inc - private declarations for color conversion & up/downsampling
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; pseudo-resisters to make ordering of RGB configurable
;
%if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3

; Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 17406
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif

%if RGB_RED == 3
%define mmG mm0
%define mmH mm1
%define xmmG xmm0
%define xmmH xmm1
%elif RGB_GREEN == 3
%define mmG mm2
%define mmH mm3
%define xmmG xmm2
%define xmmH xmm3
%elif RGB_BLUE == 3
%define mmG mm4
%define mmH mm5
%define xmmG xmm4
%define xmmH xmm5
%define xmmH xmm5
%else
%define mmG mm6
%define mmH mm7
%define xmmG xmm6
%define xmmH xmm7
%endif

; --------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYjW4/libjpeg-turbo-1.2.90/simd/jcolsamp.inc
No license file was found, but licenses were detected in source scan.

/*
* jcparam.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains optional default-setting code for the JPEG compressor.
* Applications do not have to use this file, but those that don't use it
* must know a lot more about the innards of the JPEG code.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYjW4/libjpeg-turbo-1.2.90/jcparam.c
No license file was found, but licenses were detected in source scan.

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

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jdctflt.c
No license file was found, but licenses were detected in source scan.

/*
* rdgif.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in GIF format.
*
*********************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
* the ability to read GIF files has been removed from the IJG distribution. *
* Sorry about that. *
*********************************************************
*
* We are required to state that *
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
* CompuServe Incorporated.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjui/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/rdgif.c
No license file was found, but licenses were detected in source scan.

/*
 * wrtarga.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in Targa format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * Based on code contributed by Lee Daniel Crocker.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjui/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/wrtarga.c
No license file was found, but licenses were detected in source scan.

/*
 * jconfig.txt
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file documents the configuration options that are required to
 * customize the JPEG software for a particular system.
 *
 * The actual configuration options for a particular installation are stored
 * in jconfig.h. On many machines, jconfig.h can be generated automatically
 * or copied from one of the "canned" jconfig files that we supply. But if
 * you need to generate a jconfig.h file by hand, this file tells you how.
 *
 * DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
 * EDIT A COPY NAMED JCONFIG.H.
 */
/*
* These symbols indicate the properties of your machine or compiler.
* #define the symbol if yes, #undef it if no.
*/

/* Does your compiler support function prototypes?
* (If not, you also need to use ansi2knr, see install.txt)
*/
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char"?
* How about "unsigned short"?
*/
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void.
* NOTE: be sure to define void such that "void *" represents the most general
* pointer type, e.g., that returned by malloc().
*/
#ifndef void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword.
*/
#ifndef const */

/* Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file.
*/
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file.
*/
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>,
* but does have a BSD-style <strings.h>.
*/
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
/* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
   * <sys/types.h> instead.
   */
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
   * unless you are using a large-data memory model or 80386 flat-memory mode.
   * On less brain-damaged CPUs this symbol must not be defined.
   * (Defining this symbol causes large data structures to be referenced through
   * "far" pointers and to be allocated with a special version of malloc.)
   */
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
   * than the first 15 characters.
   */
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
   * unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
   * and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
   * define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
   * actually get "missing structure definition" warnings or errors while
   * compiling the JPEG code.
   */
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
   */
#ifdef _WIN32
#ifndef __RPCNDR_H__ /* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN /* prevent jmorecfg.h from redefining it */
#endif

/* The following options affect code selection within the JPEG library,
   * but they don't need to be visible to applications using the library.
   * To minimize application namespace pollution, the symbols won't be
   * defined unless JPEG_INTERNALS has been defined.
   */
#ifdef JPEG_INTERNALS
/* Define this if your compiler implements ">>" on signed values as a logical
   * (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
   */
* which is the normal and rational definition.
*/
#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

/*
* The remaining options do not affect the JPEG library proper,
* but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
* Other applications can ignore these.
*/

#ifdef JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */

#define BMP_SUPPORTED	/* BMP image file format */
#define GIF_SUPPORTED	/* GIF image file format */
#define PPM_SUPPORTED	/* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED	/* Utah RLE image file format */
#define TARGA_SUPPORTED	/* Targa image file format */

/* Define this if you want to name both input and output files on the command
* line, rather than using stdout and optionally stdin. You MUST do this if
* your system can't cope with binary I/O to stdin/stdout. See comments at
* head of cjpeg.c or djpeg.c.
*/
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
* This is crucial under MS-DOS, where the temporary "files" may be areas
* of extended memory; on most other systems it's not as important.
*/
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...."rb") or fopen(...."wb").
* This is necessary on systems that distinguish text files from binary files,
* and is harmless on most systems that don't. If you have one of the rare
* systems that complains about the "b" spec, define this symbol.
*/
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpeg/djpeg.
*/
#undef PROGRESS_REPORT
#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jconfig.txt
No license file was found, but licenses were detected in source scan.

/*
 * rdppm.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2009 by Bill Allombert, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed PPM format).
 */
/* Portions of this code are based on the PBMPLUS library, which is:
 **
 ** Copyright (C) 1988 by Jef Poskanzer.
 **
 ** Permission to use, copy, modify, and distribute this software and its
 ** documentation for any purpose and without fee is hereby granted, provided
 ** that the above copyright notice appear in all copies and that both that
 ** copyright notice and this permission notice appear in supporting
 ** documentation. This software is provided "as is" without express or
 ** implied warranty.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jconfig.txt
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_x86_64.c
 *
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* x86_64 architecture.
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/simd/jsimd_x86_64.c
No license file was found, but licenses were detected in source scan.

/ *
* jidctfst.c
* *
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains a fast, not so accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
* *
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
* *
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jidctfst.c
No license file was found, but licenses were detected in source scan.

License: BSD-style
libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/release/libjpeg-
turbo.spec.in
No license file was found, but licenses were detected in source scan.

/
* jccolext.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jccolext.c
No license file was found, but licenses were detected in source scan.

1.2.90 (1.3 beta1)
=================================

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4,
11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will
not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly
necessary to do so, because TurboJPEG uses versioned symbols, and if a function
changes in an ABI-incompatible way, that function is renamed and a legacy
function is provided to maintain backward compatibility. However, certain
Linux distro maintainers will blindly reject any library that is not versioned,
so this was an attempt to make them happy.
[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The tjDecompressToYUV() function now supports the TJFLAG_FASTDCT flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in /usr/lib/i386-linux-gnu for the TurboJPEG libraries in /usr/lib32. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass -Djava.library.path=/usr/lib to java.

[7] TJBench has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with 'java -cp turbojpeg.jar TJBench'.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace (feature ported from jpeg-8d.)

[9] The width and height in the -crop argument passed to jpegtran can now be suffixed with 'f' to indicate that, when the upper left corner of the cropping region is automatically moved to the nearest iMCU boundary, the bottom right corner should be moved by the same amount. In other words, this feature causes jpegtran to strictly honor the specified width/height rather than the specified bottom right corner (feature ported from jpeg-8d.)

[10] JPEG files using the RGB colorspace can now be decompressed into grayscale images (feature ported from jpeg-8d.)

[11] Fixed a regression caused by 1.2.1[7] whereby the build would fail with multiple "Mismatch in operand sizes" errors when attempting to build the x86 SIMD code with NASM 0.98.

[12] The in-memory source/destination managers (jpeg_mem_src() and jpeg_mem_dest()) are now included by default when building libjpeg-turbo with libjpeg v6b or v7 emulation, so that programs can take advantage of these functions without requiring the use of the backward-incompatible libjpeg v8 ABI. The "age number" of the libjpeg-turbo library on Un*x systems has been incremented by 1 to reflect this. You can disable this feature with a configure/CMake switch in order to retain strict API/ABI compatibility with the libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See README-turbo.txt for more details.

[13] Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to
build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

1.2.1
=====

[1] Creating or decoding a JPEG file that uses the RGB colorspace should now properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

[2] When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

[3] Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

[4] Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set to a large value) would cause libjpeg-turbo to segfault.

[5] Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVDQU instruction, which was used by the libjpeg-turbo SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

[6] Added SIMD acceleration for performing 4:2:2 upsampling on NEON-capable ARM platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form "’%define’ expects a macro identifier”.

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.
1.2.0
=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM was not able to find jsimdfcg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap buffer whose size was not a multiple of 16 bytes. This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See http://crbug.com/72399 for more information.

[3] Added a compile-time macro (LIBJPEG_TURBO_VERSION) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.

[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of jconfig.h contained an INLINE macro, which conflicted with a similar macro in DevIL. This macro is used only internally when building libjpeg-turbo, so it was moved into config.h.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.

[7] Added ARM v6 and ARM v7 architectures to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)
--------------------

[1] Added a Java wrapper for the TurboJPEG API. See java/README for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which
significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

[5] Added a function to the TurboJPEG API that performs lossless transforms. This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest").

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.

[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient version of TJBUFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally.
based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was broken by enhancements to the packaging system in 1.1.

[16] When decompressing a JPEG image using an output colorspace of JCS_EXT_RGBX, JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

1.1.1
=====

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo's accelerated Huffman decoder previously ignored unexpected markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.

[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building libjpeg-turbo with older versions of MinGW64, you will now have to add -fno-leading-underscore to the CFLAGS.

[4] Fixed a regression bug in the NSIS script that caused the Windows installer build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg_read_coefficients() whereby it would not initialize cinfo->image_width and cinfo->image_height if libjpeg v7 or v8 emulation was enabled. This specifically caused the jpegoptim program to fail if it was linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8 emulation.


[7] Eliminated errors in the output of cjpeg on Windows that occurred when the
application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

1.1.0
=====

[1] The algorithm used by the SIMD quantization function cannot produce correct results when the JPEG quality is >= 98 and the fast integer forward DCT is used. Thus, the non-SIMD quantization function is now used for those cases, and libjpeg-turbo should now produce identical output to libjpeg v6b in all cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically use the slow integer forward DCT when generating JPEG images of quality 96 or greater. This reduces compression performance by as much as 15% for these high-quality images but is necessary to ensure that the images are perceptually lossless. It also ensures that the library can avoid the performance pitfall created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.


[5] The Windows distribution packages now include the libjpeg run-time programs (cjpeg, etc.)

[6] All packages now include jpgtest.


[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.

1.0.90 (1.1 beta1)
=================

[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.


[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.

[4] jpgtest can now be used to test decompression performance with existing
JPEG images.

[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and
/home/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.

[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.

[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)

[8] Added a TJ_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.

[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.

[10] Added further protections against invalid Huffman codes.

1.0.1
=====

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.

[3] configure script will now automatically determine whether the INCOMPLETE_TYPES_BROKEN macro should be defined.

1.0.0
=====

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.
[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjpeg, etc.) and man pages.


[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93
======

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91
======

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90
======

Initial release

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/ChangeLog.txt
No license file was found, but licenses were detected in source scan.

/*
 * jpegint.h
 */

* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
This file provides common declarations for the various JPEG modules. These declarations are considered internal to the JPEG library; most applications using the library shouldn't need to include this file.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jpegint.h

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

/*
* jdatasrc.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains decompression data source routines for the case of
* reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
* JOCTETS from 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdatasrc.c

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

IJG JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.
This file was part of the Independent JPEG Group's software.
It was modified by The libjpeg-turbo Project to include only information
relevant to libjpeg-turbo.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software;
that is, the functions of the various modules in the system and the interfaces
between modules. For more precise details about any data structure or calling
convention, see the include files and comments in the source code.
We assume that the reader is already somewhat familiar with the JPEG standard. The README file includes references for learning about JPEG. The file libjpeg.txt describes the library from the viewpoint of an application programmer using the library; it's best to read that file before this one. Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an 8x8 group of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size determined by the sampling factors, or a single block in a noninterleaved scan.

We do not use the terms "pixel" and "sample" interchangeably. When we say pixel, we mean an element of the full-size image, while a sample is an element of the downsampled image. Thus the number of samples may vary across components while the number of pixels does not. (This terminology is not used rigorously throughout the code, but it is used in places where confusion would otherwise result.)

*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform JFIF JPEG files to and from several other image formats.
cjpeg/djpeg are of no great intellectual complexity: they merely add a simple command-line user interface and I/O routines for several uncompressed image formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. Hierarchical processes are not supported.

The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used without the extensive pre- and post-processing provided by this library. We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a
run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

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

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

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

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a
problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
We also need overall control, marker parsing, and a data source module. The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to
a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirection through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the
control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:

   1A. Startup initialization at the beginning of image processing.
       The individual processing modules to be used in this run are selected and given initialization calls.

   1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

   Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:

input data => processing step A => buffer => processing step B => output data
             |               |
------------------ controller ------------------

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:
* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a “strip” buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required.
The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

```
|-- Colorspace conversion
    |-- Preprocessing controller --|
    |                             |-- Downsampling
Main controller --|
    |                             |-- Forward DCT, quantize
    |-- Coefficient controller --|
                     |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.

* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as Vmax pixel rows of each
component before downsampling, and \( V_k \) sample rows afterwards (remember \( V_k \) differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages;
determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:

```
|-- Entropy decoding
    |-- Coefficient controller --|
    |                            |-- Dequantize, Inverse DCT
Main controller --|
    | |-- Upsampling
    |-- Postprocessing controller --|
    |-- Colorspace conversion
    |-- Color quantization
    |-- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support
progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Color space conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG's 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???
Note that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: jinput.c controls only input-side processing, while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller’s DCT coefficient buffer. Note that this processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass
can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

typedef something JSAMPLE; a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; ptr to a list of color-component arrays

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps
simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as

\[ \text{GETJSAMPLE(image[colorcomponent][row][col])} \]

where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (\# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:
typedef short JCOEF; // a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; // an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; // ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; // ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; // ptr to a list of color component arrays

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 blocks, corresponding to eight rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKs, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we
recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)
The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:
1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.

Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers.

Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all
the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoeft.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

jpeg_mem_init, jpeg_mem_term system-dependent initialization/shutdown

jpeg_get_small, jpeg_free_small interface to malloc and free library routines (or their equivalents)

jpeg_get_large, jpeg_free_large interface to FAR malloc/free in MSDOS machines; else usually the same as jpeg_get_small/jpeg_free_small

jpeg_mem_available estimate available memory

jpeg_open_backing_store create a backing-store object

read_backing_store, manipulate a backing-store object
write_backing_store,
close_backing_store

On some systems there will be more than one type of backing-store object
(specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). jpeg_open_backing_store is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call self_destruct (typically via jpeg_destroy) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.
This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great.
However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:

1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

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

Found in path(s):
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*
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/*
 * simd/jsimd.h
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
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 *
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 *
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jsimd.h
No license file was found, but licenses were detected in source scan.

;/*
 * jctrans.c
 *
 * Copyright (C) 1995-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains library routines for transcoding compression,
 * that is, writing raw DCT coefficient arrays to an output JPEG file.
 * The routines in jcapimin.c will also be needed by a transcoder.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jctrans.c
No license file was found, but licenses were detected in source scan.

/*
 * jquant2.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
* followed by mapping of the image to that color map, with optional
* Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
* externally-given color map.
*
* Note: ordered dithering is not supported, since there isn't any fast
* way to compute intercolor distances; it's unclear that ordered dither's
* fundamental assumptions even hold with an irregularly spaced color map.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jquant2.c
No license file was found, but licenses were detected in source scan.

/***/
* jcmarker.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains routines to write JPEG datastream markers.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jcmarker.c
No license file was found, but licenses were detected in source scan.

/***/
* cjpeg.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains a command-line user interface for the JPEG compressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
* 
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
*cjpeg [options]  inputfile outputfile
*cjpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
*cjpeg [options] -outfile outputfile  inputfile
* works regardless of which command line style is used.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/cjpeg.c
No license file was found, but licenses were detected in source scan.

/*
* transupp.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains image transformation routines and other utility code
* used by the jpegtran sample application. These are NOT part of the core
* JPEG library. But we keep these routines separate from jpegtran.c to
* ease the task of maintaining jpegtran-like programs that have other user
* interfaces.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/transupp.c
No license file was found, but licenses were detected in source scan.

/*
* jidctint.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modification developed 2002-2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a slow-but-accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
*
* This implementation is based on an algorithm described in
* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*
* We also provide IDCT routines with various output sample block sizes for
* direct resolution reduction or enlargement without additional resampling:
* NxN (N=1...16) pixels for one 8x8 input DCT block.
*
* For N<8 we simply take the corresponding low-frequency coefficients of
* the 8x8 input DCT block and apply an NxN point IDCT on the sub-block
* to yield the downscaled outputs.
* This can be seen as direct low-pass downsampling from the DCT domain
* point of view rather than the usual spatial domain point of view,
* yielding significant computational savings and results at least
* as good as common bilinear (averaging) spatial downsampling.
*
* For N>8 we apply a partial NxN IDCT on the 8 input coefficients as
* lower frequencies and higher frequencies assumed to be zero.
* It turns out that the computational effort is similar to the 8x8 IDCT
* regarding the output size.
* Furthermore, the scaling and descaling is the same for all IDCT sizes.
*
* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases
* since there would be too many additional constants to pre-calculate.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jidctint.c
No license file was found, but licenses were detected in source scan.

/*
* jpegtran.c
This file was part of the Independent JPEG Group's software:
Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.

Modifications:

Copyright (C) 2010, D. R. Commander.

For conditions of distribution and use, see the accompanying README file.

This file contains a command-line user interface for JPEG transcoding.
It is very similar to cjpeg.c, and partly to djpeg.c, but provides
lossless transcoding between different JPEG file formats. It also
provides some lossless and sort-of-lossless transformations of JPEG data.

jerror.c

Copyright (C) 1991-1998, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains simple error-reporting and trace-message routines.
These are suitable for Unix-like systems and others where writing to
stderr is the right thing to do. Many applications will want to replace
some or all of these routines.

If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
you get a Windows-specific hack to display error messages in a dialog box.
It ain't much, but it beats dropping error messages into the bit bucket,
which is what happens to output to stderr under most Windows C compilers.

These routines are used by both the compression and decompression code.

jdmaster.c

This file was part of the Independent JPEG Group's software:
Copyright (C) 1991-1997, Thomas G. Lane.
Modified 2002-2009 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains master control logic for the JPEG decompressor.
* These routines are concerned with selecting the modules to be executed
* and with determining the number of passes and the work to be done in each
* pass.
*/

Found in path(s):
/ /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdmaster.c
No license file was found, but licenses were detected in source scan.

/*
 * jdphuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines for progressive JPEG.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */

Found in path(s):
/ /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdphuff.c
No license file was found, but licenses were detected in source scan.

/*
 * jdcolext.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 *
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains output colorspace conversion routines.
 */
Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  17456

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYjW4/libjpeg-turbo-1.2.90/jdcoext.c
No license file was found, but licenses were detected in source scan.

/*
 * jdatasrc-tj.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains decompression data source routines for the case of
 * reading JPEG data from memory or from a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different source manager.
 * IMPORTANT: we assume that fread() will correctly transcribe an array of
 * JOCTETs from 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYjW4/libjpeg-turbo-1.2.90/jdatasrc-tj.c
No license file was found, but licenses were detected in source scan.

/*
 * jcomapi.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface routines that are used for both
 * compression and decompression.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYjW4/libjpeg-turbo-1.2.90/jcomapi.c
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_none.c
 *

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1)  17456
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains stubs for when there is no SIMD support available.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jsimd_none.c
No license file was found, but licenses were detected in source scan.

/ *
* jutils.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains tables and miscellaneous utility routines needed
* for both compression and decompression.
* Note we prefix all global names with "j" to minimize conflicts with
* a surrounding application.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jutils.c
No license file was found, but licenses were detected in source scan.

/ *
* djpeg.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010-2011, 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for the JPEG decompressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
*
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
*djpeg [options] inputfile outputfile
djjpeg [options] [inputfile]

* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
  *djjpeg [options] -outfile outputfile inputfile
  * works regardless of which command line style is used.
*/

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/djpeg.c
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; for more details.

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfss2fst-64.asm
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jiss2fst.asm
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfmmxfst.asm
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jjiss2fst.asm
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfss2fst.asm
No license file was found, but licenses were detected in source scan.

/*
  * jdsample.c
  *
  * This file was part of the Independent JPEG Group's software:
  * Copyright (C) 1991-1996, Thomas G. Lane.
  * Modifications:
  * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
This file contains upsampling routines.

Upsampling input data is counted in "row groups". A row group
is defined to be (v_samp_factor * DCT_scaled_size / min_DCT_scaled_size)
Sample rows of each component. Upsampling will normally produce
max_v_samp_factor pixel rows from each row group (but this could vary
if the upsampler is applying a scale factor of its own).

An excellent reference for image resampling is

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/jdsample.c
No license file was found, but licenses were detected in source scan.

/*
* jsimddct.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/jsimddct.h
No license file was found, but licenses were detected in source scan.

USING THE IJG JPEG LIBRARY

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

This file describes how to use the IJG JPEG library within an application program. Read it if you want to write a program that uses the library.
The file example.c provides heavily commented skeleton code for calling the JPEG library. Also see jpeglib.h (the include file to be used by application programs) for full details about data structures and function parameter lists. The library source code, of course, is the ultimate reference.

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

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---------------

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

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

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

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

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

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:
* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios
We support both 8- and 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use both precisions in a single application.

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

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (e.g., a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
  jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

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

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

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

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

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

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

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

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

BASIC LIBRARY USAGE

Data formats

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

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel).

PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ.
Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

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

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

Compression details

Here we revisit the JPEG compression outline given in the overview.
1. Allocate and initialize a JPEG compression object.

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

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

You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

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

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

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

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

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

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

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

where the last line invokes the standard destination module.

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

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

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

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

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

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

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.
Typical code for a 24-bit RGB source image is

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

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

4. jpeg_start_compress(...);

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

Typical code:

jpeg_start_compress(&cinfo, TRUE);

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

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

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

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

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application cjpeg.
The library maintains a count of the number of scanlines written so far in the next_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next_scanline < cinfo.image_height)".

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

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

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

while (cinfo.next_scanline < cinfo.image_height) {
    row_pointer[0] = &image_buffer[cinfo.next_scanline * row_stride];
    jpeg_write_scanlines(&cinfo, row_pointer, 1);
}
```

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

In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

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

Typical code:

```c
jpeg_finish_compress(&cinfo);
```

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.
If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

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

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

7. Release the JPEG compression object.

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

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

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

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

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

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

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

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

Decompression details
---------------------

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

1. Allocate and initialize a JPEG decompression object.

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

Typical code:

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

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

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

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.
If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

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

where the last line invokes the standard source module.

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

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

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

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

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

More complex code is necessary if

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

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

4. Set parameters for decompression.

jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

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

5. jpeg_start_decompress(...);

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

Typical code is just

jpeg_start_decompress(&cinfo);

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

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

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

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

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

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

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

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

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

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

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

7. jpeg_finish_decompress();

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

Typical code:

jpeg_finish_decompress(&cinfo);

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

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

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

8. Release the JPEG decompression object.

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

Typical code:

jpeg_destroy_decompress(&cinfo);


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

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

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

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

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

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

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.
ADVANCED FEATURES
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Compression parameter selection
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This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

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

The helper routines are:

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

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

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

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

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

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

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

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

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

Compression parameters (cinfo fields) include:

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

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

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

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

```c
const jpeg_scan_info * scan_info
int num_scans
```

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

```c
int smoothing_factor
```

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

```c
boolean write_JFIF_header
```

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

```c
UINT8 JFIF_major_version
UINT8 JFIF_minor_version
```

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

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

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

```c
boolean write_Adobe_marker
```

If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.
JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

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

jpeg_set_defaults(cinfo);

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

jpeg_default_qtables(cinfo, force_baseline);

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

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

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

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

```
JDIMENSION jpeg_width
Actual dimensions of output image.
JDIMENSION jpeg_height
```

Per-component parameters are stored in the struct cinfo.comp_info[i] for component number i. Note that components here refer to components of the JPEG color space, *not* the source image color space. A suitably large comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

```
int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

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

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

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

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

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

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

- **JDIMENSION image_width** Width and height of image
- **JDIMENSION image_height**
- **int num_components** Number of color components
- **J_COLOR_SPACE jpeg_color_space** Colorspace of image
- **boolean saw_JFIF_marker** TRUE if a JFIF APP0 marker was seen
- **UINT8 JFIF_major_version** Version information from JFIF marker
- **UINT8 JFIF_minor_version**
- **UINT8 density_unit** Resolution data from JFIF marker
- **UINT16 X_density**
- **UINT16 Y_density**
- **boolean saw_Adobe_marker** TRUE if an Adobe APP14 marker was seen
- **UINT8 Adobe_transform** Color transform code from Adobe marker

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

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

- **J_COLOR_SPACE out_color_space**

  Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.
unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is
1/1, or no scaling. Currently, the only supported scaling ratios
are M/8 with all M from 1 to 16, or any reduced fraction thereof (such
as 1/2, 3/4, etc.) (The library design allows for arbitrary
scaling ratios but this is not likely to be implemented any time soon.)
Smaller scaling ratios permit significantly faster decoding since
fewer pixels need be processed and a simpler IDCT method can be used.

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

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

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

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

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

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

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

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

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

boolean do_fancy_upsampling
If TRUE, do careful upsampling of chroma components. If FALSE,
a faster but sloppier method is used. Default is TRUE. The visual
impact of the sloppier method is often very small.

boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding
progressive JPEG files; if FALSE, not. Default is TRUE. Early
progression stages look "fuzzy" with smoothing, "blocky" without.
In any case, block smoothing ceases to be applied after the first few
AC coefficients are known to full accuracy, so it is relevant only
when using buffered-image mode for progressive images.

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

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

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

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

Special color spaces
---------------------

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

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

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

jccolor.c currently supports the following transformations:
RGB => YCbCr
RGB => GRAYSCALE
YCbCr => GRAYSCALE
CMYK => YCCK
plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB,
YCbCr => YCbCr, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The de-facto file format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. jpeg_set_colorspace()
will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space. For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

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

For decompression, the JPEG file's color space is given in jpeg_color_space, and this is transformed to the output color space out_color_space. jpeg_read_header's setting of jpeg_color_space can be relied on if the file conforms to JFIF or Adobe conventions, but otherwise it is no better than a guess. If you know the JPEG file's color space for certain, you can override jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also selects a default output color space based on (its guess of) jpeg_color_space; set out_color_space to override this. Again, you must select a supported transformation. jdcolor.c currently supports

YCbCr => RGB
YCbCr => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCk => CMYK

as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an application can force grayscale JPEGs to look like color JPEGs if it only wants to handle one case.)

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

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

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

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

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

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

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

The individual methods that you might wish to override are:

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

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

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

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

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

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

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

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

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

Compressed data handling (source and destination managers)
----------------------------------------------------------

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

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

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

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

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

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

A data destination manager provides three methods:

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

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

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

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

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

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

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

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

A data source manager provides five methods:

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

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

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

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

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

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

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

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

I/O suspension
--------------

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

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

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

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

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

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

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

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

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

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

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

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

(Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as though it had read more data in a non-suspending situation.
The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

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

Multiple-buffer management:

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

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

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

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

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

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

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

Progressive compression:

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

Progressive decompression:

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

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

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

The basic control flow for buffered-image decoding is

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

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

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically
while (! jpeg_input_complete(&cinfo))
and the start-output call should read
jpeg_start_output(&cinfo, cinfo.input_scan_number);
The second parameter to jpeg_start_output() indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and jpeg_finish_output() advances to the next scan or end-of-image marker (hence input_scan_number will be incremented by the time control arrives back at jpeg_start_output()). With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

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

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

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

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

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

(JPEG_SUSPENDED can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input() whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to jpeg_consume_input(). But by adding calls to jpeg_consume_input(), you can absorb data in advance of what is being displayed. This has two benefits:

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

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

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

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

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

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

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

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

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

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

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

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

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

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.
In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:
* jpeg_start_output() performs input only if you request 2-pass quantization and the target scan isn’t fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if jpeg_consume_input() has already reached the end of the file or a SOS marker beyond the target output scan.)
* jpeg_finish_decompress() will read until the end of file, and thus can suspend if the end hasn’t already been reached (as can be tested by calling jpeg_input_complete()).

jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress() all return TRUE if they completed their tasks, FALSE if they had to suspend. In the event of a FALSE return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

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

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.
2. Single-pass quantization to an application-supplied colormap.
   Selected by setting cinfo.colormap to point to the colormap (the value of two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.
3. Two-pass quantization to a colormap chosen specifically for the image.
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL.
   (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!)

These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

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

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

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

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

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

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

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

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

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

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

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

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

Abbreviated datastreams and multiple images
-------------------------------------------

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

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:
* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

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

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

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

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

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

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

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

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

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

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

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

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

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

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

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

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

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

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

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

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

Special markers

---------------

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

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

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

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

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

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

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

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

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

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

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

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

To save the contents of special markers in memory, call
jpeg_save_markers(cinfo, marker_code, length_limit)
where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n.
(To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than length_limit data bytes, only length_limit bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set length_limit to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting length_limit to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

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

It is possible that additional special markers appear in the file beyond the SOS marker at which jpeg_read_header stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

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

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

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

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

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

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

Raw (downsampled) image data
-------------------------------

Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

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

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

* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().) This notifies the library that you will be supplying raw data.
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorspace()
call is a good idea. Note that since color conversion is bypassed, 
in_color_space is ignored, except that jpeg_set_defaults() uses it to 
choose the default jpeg_color_space setting.

* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and 
cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the 
dimensions of the data you are supplying, it's wise to set them 
explicitly, rather than assuming the library's defaults are what you want.

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

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

The required dimensions of the supplied data can be computed for each 
component as 
cinfo->comp_info[i].width_in_blocks*DCTSIZE samples per row 
cinfo->comp_info[i].height_in_blocks*DCTSIZE rows in image 
after jpeg_start_compress() has initialized those fields. If the valid data 
is smaller than this, it must be padded appropriately. For some sampling 
factors and image sizes, additional dummy DCT blocks are inserted to make 
the image a multiple of the MCU dimensions. The library creates such dummy 
blocks itself; it does not read them from your supplied data. Therefore you 
need never pad by more than DCTSIZE samples. An example may help here.
Assume 2h2v downsampling of YCbCr data, that is 
cinfo->comp_info[0].h_samp_factor = 2 for Y 
cinfo->comp_info[0].v_samp_factor = 2

cinfo->comp_info[1].h_samp_factor = 1 for Cb 
cinfo->comp_info[1].v_samp_factor = 1

cinfo->comp_info[2].h_samp_factor = 1 for Cr 
cinfo->comp_info[2].v_samp_factor = 1

and suppose that the nominal image dimensions (cinfo->image_width and 
cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will 
compute downsampled_width = 101 and width_in_blocks = 13 for Y, 
downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same 
for the height fields). You must pad the Y data to at least 13*8 = 104 
columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The 
MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16 
scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual 
sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, 
so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row
of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing: you cannot ask for rescaling or color quantization, for instance. More seriously, you must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*DCTSIZE scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
-----------------------------------

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the
entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager’s access_virt_barray method (see Memory management, below, and also read structure.txt’s discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients.

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component’s comp_info entry.) This is also the data format expected by jpeg_write_coefficients.

When you are done using the virtual arrays, call jpeg_finish_decompress to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don’t need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder’s coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress.

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is

* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

jpeg_write_coefficients() is passed a pointer to an array of virtual block
array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before jpeg_write_coefficients() is called. A side-effect of jpeg_write_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg_write_coefficients(). The data is actually written out when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg_copy_critical_parameters(). This routine initializes all the compression parameters to default values (like jpeg_set_defaults()), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpeg Suppress_tables(), or set the tables' individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring
---------------------

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or
To establish a progress-monitor callback, create a struct `jpeg_progress_mgr`, fill in its `progress_monitor` field with a pointer to your callback routine, and set `cinfo->progress` to point to the struct. The callback will be called whenever `cinfo->progress` is non-NULL. (This pointer is set to NULL by `jpeg_create_compress` or `jpeg_create_decompress`; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You can use the same callback routine for both compression and decompression.

The `jpeg_progress_mgr` struct contains four fields which are set by the library:

- `long pass_counter; /* work units completed in this pass */`
- `long pass_limit; /* total number of work units in this pass */`
- `int completed_passes; /* passes completed so far */`
- `int total_passes; /* total number of passes expected */`

During any one pass, `pass_counter` increases from 0 up to (not including) `pass_limit`; the step size is usually but not necessarily 1. The `pass_limit` value may change from one pass to another. The expected total number of passes is in `total_passes`, and the number of passes already completed is in `completed_passes`. Thus the fraction of work completed may be estimated as

\[
\frac{\text{completed_passes} + (\text{pass_counter}/\text{pass_limit})}{\text{total_passes}}
\]

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, `pass_limit` can even change within a pass, because it depends on the number of scans in the JPEG file, which isn't always known in advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets `total_passes` based on the assumption that there will be one more output pass if the input file end hasn't yet been read (`jpeg_input_complete()` isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that `total_passes` will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.
Memory management

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

```
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object.

Use alloc_large instead of alloc_small for anything bigger than a few Kbytes.

There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high.

Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no temporary files are used; virtual arrays are simply malloc()'d. Images bigger than memory can be processed only if your system supports virtual memory.

The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind that space allocated with alloc_small() is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.
If you use the jmemname.c or jmemdos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmemdos.c, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either, since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage
------------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set.
(But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
----------------------------

A number of compile-time options are available by modifying jmorecfg.h.

The JPEG standard provides for both the baseline 8-bit DCT process and a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define BITS_IN_JSAMPLE as 12 rather than 8. Note that this causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjpeg and djpeg can support 12-bit mode only for PPM and GIF file formats; you must disable the other file formats to compile a 12-bit cjpeg or djpeg. (install.txt has more information about that.) At present, a 12-bit library can handle *only* 12-bit images, not both precisions. (If you need to include both 8- and 12-bit libraries in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode, in order to generate valid Huffman tables. This is necessary because our default Huffman tables only cover 8-bit data. If you need to output 12-bit files in one pass, you'll have to supply suitable default Huffman tables. You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s is quite slow; consider trading memory for speed by making JCOEF, INT16, and UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int.
You probably don't want to make JSAMPLE be int unless you have lots of memory to burn.

You can reduce the size of the library by compiling out various optional functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; the standard error message table occupies about 5Kb. This is particularly reasonable for embedded applications where there's no good way to display a message anyway. To do this, remove the creation of the message table (jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the message code number, for example. If you do this, you can also save a couple more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don't need trace capability anyway, right?

Portability considerations
--------------------------

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we'd appreciate hearing about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that

char is at least 8 bits wide
short is at least 16 bits wide
int is at least 16 bits wide
long is at least 32 bits wide

(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need
to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmreocfg.h, and jinclude.h.

Notes for MS-DOS implementors
---------------------------------

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)
About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

/*
 * jdinput.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input control logic for the JPEG decompressor.
 * These routines are concerned with controlling the decompressor's input
 * processing (marker reading and coefficient decoding). The actual input
 * reading is done in jdmarker.c, jdhuff.c, and jdphuff.c.
 */

/*
 * All rights reserved.
 * Permission is granted to anyone to use this software for any purpose,
 * 1. The origin of this software must not be misrepresented; you must not
 * 2. Altered source versions must be plainly marked as such, and must not be
 * 3. This notice may not be removed or altered from any source distribution.
 */
/*
 * jfdctflt.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * This implementation should be more accurate than either of the integer
 * DCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with a fixed-point
 * implementation, accuracy is lost due to imprecise representation of the
 * scaled quantization values. However, that problem does not arise if
 * we use floating point arithmetic.
 */

Found in path(s):
*/

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 17524
* jcdctmgr.c

* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2011 D. R. Commander
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the forward-DCT management logic.
* This code selects a particular DCT implementation to be used,
* and it performs related housekeeping chores including coefficient
* quantization.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jcdctmgr.c
No license file was found, but licenses were detected in source scan.

/*
 * jccoefct.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
* This file contains the coefficient buffer controller for compression.
* This controller is the top level of the JPEG compressor proper.
* The coefficient buffer lies between forward-DCT and entropy encoding steps.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jccoefct.c
No license file was found, but licenses were detected in source scan.

/*
 * jmennobs.c
 *
 * Copyright (C) 1992-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
* This file provides a really simple implementation of the system-
* dependent portion of the JPEG memory manager. This implementation
* assumes that no backing-store files are needed: all required space
* can be obtained from malloc().
* This is very portable in the sense that it'll compile on almost anything,
* but you'd better have lots of main memory (or virtual memory) if you want
* to process big images.
* Note that the max_memory_to_use option is ignored by this implementation.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jmemnobs.c

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

/*
 * jQuery JavaScript Library v1.3.2
 * http://jquery.com/
 *
 * Copyright (c) 2009 John Resig
 * Dual licensed under the MIT and GPL licenses.
 * http://docs.jquery.com/License
 *
 * Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)
 * Revision: 6246
 */

/*
 * Sizzle CSS Selector Engine - v0.9.3
 * Copyright 2009, The Dojo Foundation
 * Released under the MIT, BSD, and GPL Licenses.
 * More information: http://sizzlejs.com/
 */

/*
 * jQuery UI 1.7.2
 *
 * Copyright (c) 2009 AUTHORS.txt (http://jqueryui.com/about)
 * Dual licensed under the MIT (MIT-LICENSE.txt)
 * and GPL (GPL-LICENSE.txt) licenses.
 *
 * http://docs.jquery.com/UI
 */

/**
 * jQuery.ScrollTo - Easy element scrolling using jQuery.
 * Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com
 * Licensed under GPL license (http://www.opensource.org/licenses/gpl-license.php).
 * Date: 2/8/2008
 * @author Ariel Flesler
 * @version 1.3.2
 */

Found in path(s):
License:IJG

Found in path(s):
/*
* jdmarker.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to decode JPEG datastream markers.
* Most of the complexity arises from our desire to support input
* suspension: if not all of the data for a marker is available,
* we must exit back to the application. On resumption, we reprocess
* the marker.
*/

Found in path(s):
/*
* wrbmp.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in Microsoft "BMP"
* format (MS Windows 3.x and OS/2 1.x flavors).
* Either 8-bit colormapped or 24-bit full-color format can be written.
* No compression is supported.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/wrbmp.c
No license file was found, but licenses were detected in source scan.

/*
* rdbmp.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2010 by Guido Vollbeding.
* Modifications:
* Modified 2011 by Siarhei Siamashka.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in Microsoft "BMP"
* format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
* Currently, only 8-bit and 24-bit images are supported, not 1-bit or
* 4-bit (feeding such low-depth images into JPEG would be silly anyway).
* Also, we don't support RLE-compressed files.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdin stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed BMP format).
*
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/rdbmp.c
No license file was found, but licenses were detected in source scan.

/*
* jcsample.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains downsampling routines.
 *
* Downsampling input data is counted in "row groups". A row group
* is defined to be max_v_samp_factor pixel rows of each component,
* from which the downsampler produces v_samp_factor sample rows.
* A single row group is processed in each call to the downsampler module.
 *
* The downsampler is responsible for edge-expansion of its output data
* to fill an integral number of DCT blocks horizontally. The source buffer
* may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.
 *
* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.
 *
* An excellent reference for image resampling is
 *
* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.
 *
* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pmnconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jcsample.c
No license file was found, but licenses were detected in source scan.

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

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

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

*******************************************************************************
** License
*******************************************************************************

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:

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*******************************************************************************
** Using libjpeg-turbo
*******************************************************************************

libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

=================================
Installation Directory
=================================

This document assumes that libjpeg-turbo will be installed in the default directory (/opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

=================================
Replacing libjpeg at Run Time
=================================

Un*x
----
If a Unix application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH. For instance:

[Using libjpeg]
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.392s
user 0m0.074s
sys 0m0.020s

[Using libjpeg-turbo]
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.109s
user 0m0.029s
sys 0m0.010s

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib* with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

Windows
-------

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from libjpeg-turbo into the application's install directory. The official libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure, such as a file handle, from an application to the library will probably not
work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and jpeg_stdio_src().

Mac
---

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

====================================================================
Using libjpeg-turbo in Your Own Programs
====================================================================

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

    CPATH=/opt/libjpeg-turbo/include

    and

    LIBRARY_PATH=/opt/libjpeg-turbo/{lib}

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

    CPATH=/c/libjpeg-turbo-gcc[64]/include

    and

    LIBRARY_PATH=/c/libjpeg-turbo-gcc[64]/lib

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Un*x systems, you would still need to manipulate LD_LIBRARY_PATH or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass -R /opt/libjpeg-turbo/[lib] to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Un*x or MinGW application to link against the static version of
libjpeg-turbo, you can use the following linker options:

- Wl,-Bstatic -ljpeg -Wl,-Bdynamic

On OS X, simply add /opt/libjpeg-turbo/lib/libjpeg.a to the linker command line.

To build Visual C++ applications using libjpeg-turbo, add

c:\libjpeg-turbo{64}\include to the system or user INCLUDE environment variable and c:\libjpeg-turbo{64}\lib to the system or user LIB environment variable, and then link against either jpeg.lib (to use the DLL version of libjpeg-turbo) or jpeg-static.lib (to use the static version of libjpeg-turbo.)

=====================  
Colorspace Extensions  
=====================

libjpeg-turbo includes extensions that allow JPEG images to be compressed directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new colorspace constants:

- JCS_EXT_RGB   /* red/green/blue */
- JCS_EXT_RGBX  /* red/green/blue/x */
- JCS_EXT_BGR   /* blue/green/red */
- JCS_EXT_BGRX  /* blue/green/red/x */
- JCS_EXT_XBGR  /* x/blue/green/red */
- JCS_EXT_XRGB  /* x/red/green/blue */
- JCS_EXT_RGBA  /* red/green/blue/alpha */
- JCS_EXT_BGRA  /* blue/green/red/alpha */
- JCS_EXT_ABGR  /* alpha/blue/green/red */
- JCS_EXT_ARGB  /* alpha/red/green/blue */

Setting cinfo.in_color_space (compression) or cinfo.out_color_space (decompression) to one of these values will cause libjpeg-turbo to read the red, green, and blue values from (or write them to) the appropriate position in the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile time with:

```
#ifdef JCS_EXTENSIONS
```

At run time, attempting to use these extensions with a libjpeg implementation that does not support them will result in a "Bogus input colorspace" error. Applications can trap this error in order to test whether run-time support is available for the colorspace extensions.
When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the X byte is undefined, and in order to ensure the best performance, libjpeg-turbo can set that byte to whatever value it wishes. If an application expects the X byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA, JCS_EXT_BGRA, JCS_EXT_ABGR, or JCS_EXT_ARGB. When these colorspace constants are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace extensions at compile time with:

```
#ifdef JCS_ALPHA_EXTENSIONS
```

jctest.c, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

```
libjpeg v7 and v8 API/ABI Emulation
```

With libjpeg v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. Libjpeg-turbo does not claim to support all of the libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)

By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an argument of -DWITH_JPEG7=1 or -DWITH_JPEG8=1 to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:

-----------------------------

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor
Libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8,
1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers
See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance
Note that the libjpeg v7+ API was extended to accommodate this feature only for convenience purposes. It has always been possible to implement this feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjpeg: 32-bit BMP support

-- cjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option

-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions, but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
cinfo.scale_num and cinfo.scale_denom are silently ignored.
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
cinfo.block_size is silently ignored.
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be
feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files
This requires the SmartScale feature, which is not supported.

What About libjpeg v9?

----------------------

libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can't already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

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

In-Memory Source/Destination Managers  

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

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by
programs that need them without breaking ABI compatibility for programs that
don't, and it allows those functions to be provided in the "official"
libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg
v6b or v7 API can pass an argument of --without-mem-srcdst to configure or
an argument of -DWITH_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo.
This will restore the pre-1.3 behavior, in which jpeg_mem_src() and
jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes
the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI
 emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a
function in a library until that function is actually used. Thus, if a program
is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(),
that program will not fail if run against an older version of libjpeg-turbo
or against libjpeg v7- until the program actually tries to call jpeg_mem_src() or
jpeg_mem_dest(). Such is not the case on Windows. If a program is built
against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(),
then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory
source/destination manager functions. See their respective man pages for more
details.

*******************************************************************************
**                     Mathematical Compatibility                           **
*******************************************************************************

For the most part, libjpeg-turbo should produce identical output to libjpeg
v6b. The one exception to this is when using the floating point DCT/IDCT, in
which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to
be identical (the accuracy of the floating point DCT/IDCT is constant when
using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on
the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is
still using the same algorithms as libjpeg v6b, so there are several specific
cases in which libjpeg-turbo cannot be expected to produce the same output as
libjpeg v8:

  -- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8
     implements those scaling algorithms a bit differently than libjpeg v6b does,
     and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.
-- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.

-- When using the floating point IDCT, for the reasons stated above and also because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

*******************************************************************************
**     Performance Pitfalls
*******************************************************************************

===============
Restart Markers
===============

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

===============
Fast Integer Forward DCT at High Quality Levels
===============

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/README-turbo.txt
No license file was found, but licenses were detected in source scan.
/*
* This file contains library routines for transcoding decompression,
  * that is, reading raw DCT coefficient arrays from an input JPEG file.
  * The routines in jdapimin.c will also be needed by a transcoder.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLXbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdtrans.c
No license file was found, but licenses were detected in source scan.

*/
* Copyright (C)2011-2012 D. R. Commander. All Rights Reserved.
*
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* 
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*   this list of conditions and the following disclaimer in the documentation
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* - Neither the name of the libjpeg-turbo Project nor the names of its
*   contributors may be used to endorse or promote products derived from this
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* 
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* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLXbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJ.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLXbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TIDecompressor.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLXbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/java/TJUnitTest.java
/*
 * jsimd_i386.c
 * 
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 * 
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 * 
 * This file contains the interface between the "normal" portions
 * of the library and the SIMD implementations when running on a
 * 32-bit x86 architecture.
 */

Found in path(s):
/*
 * jdcolor.c
 * 
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2011 by Guido Vollbeding.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2009, 2011-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * 
 * This file contains output colorspace conversion routines.
 */
TurboJPEG Java Wrapper

The TurboJPEG shared library can optionally be built with a Java Native Interface wrapper, which allows the library to be loaded and used directly from Java applications. The Java front end for this is defined in several classes located under org/libjpeg turbo/turbojpeg. The source code for these Java classes is licensed under a BSD-style license, so the files can be incorporated directly into both open source and proprietary projects without restriction. A Java archive (JAR) file containing these classes is also shipped with the “official” distribution packages of libjpeg-turbo.

TJExample.java, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

Performance Pitfalls

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-allocating the buffers is recommended.

Installation Directory

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or turbojpeg.dll) is not installed under a system library directory or under a directory specified in LD_LIBRARY_PATH (Unix) or PATH (Windows), then you will need to pass an argument of -Djava.library.path={path_to_JNI_library} to java.
/*
 * jpeglib.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file defines the application interface for the JPEG library.
 * Most applications using the library need only include this file,
 * and perhaps jerror.h if they want to know the exact error codes.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/README
No license file was found, but licenses were detected in source scan.

/*
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 * *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c. But also see jparam.c for
 * parameter-setup helper routines, jcomapi.c for routines shared by
 * compression and decompression, and jctrans.c for the transcoding case.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcapimin.c
No license file was found, but licenses were detected in source scan.

/*
 * jcphuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy encoding routines for progressive JPEG.
 *
 * We do not support output suspension in this module, since the library
 * currently does not allow multiple-scan files to be written with output
 * suspension.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jcphuff.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctred.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains inverse-DCT routines that produce reduced-size output:
 * either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.
 *
 * The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M)
 * algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step
 * with an 8-to-4 step that produces the four averages of two adjacent outputs
 * (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).
 * These steps were derived by computing the corresponding values at the end
 * of the normal LL&M code, then simplifying as much as possible.
 *
 * 1x1 is trivial: just take the DC coefficient divided by 8.
 *
 * See jidctint.c for additional comments.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jidctred.c
No license file was found, but licenses were detected in source scan.
/*
 * wrjpgcom.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a very simple stand-alone application that inserts
 * user-supplied text as a COM (comment) marker in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/wrjpgcom.c

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

/*
 * cderror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the error and message codes for the cjpeg/djpeg
 * applications. These strings are not needed as part of the JPEG library
 * proper.
 * Edit this file to add new codes, or to translate the message strings to
 * some other language.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/cderror.h

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

/*
 * jsimd_arm.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 */
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on
* ARM architecture.
*
* Based on the stubs from 'jsimdnone.c'
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/simd/jsimd_arm.c
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: CODING RULES

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For conditions of distribution and use, see the accompanying README file.

Since numerous people will be contributing code and bug fixes, it's important
to establish a common coding style. The goal of using similar coding styles
is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding
Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and
Brader). This document is available in the IJG FTP archive (see

Block comments should be laid out thusly:

/*
 * Block comments in this style.
 */

We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}
with two spaces per indentation level. (This indentation convention is
handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants
are similar but upper case (MULTIWORDNAME). Names should be unique within
the first fifteen characters. (On some older systems, global names must be
unique within six characters. We accommodate this without cluttering the
source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code
transformation to feed prototype-less C compilers. Transformation is done
by the simple and portable tool ‘ansi2knr’ (courtesy of Ghostscript).
ansi2knr is not very bright, so it imposes a format requirement on function
declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions
should be written in the following style:

    LOCAL(int *)
    function_name (int a, char *b)
    {
        code...
    }

Note that each function definition must begin with GLOBAL(type), LOCAL(type),
or METHODDEF(type). These macros expand to "static type" or just "type" as
appropriate. They provide a readable indication of the routine's usage and
can readily be changed for special needs. (For instance, special linkage
keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in
structs). We handle these with a macro JMETHOD, defined as

#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif

which is used like this:

    struct function_pointers {
        JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
        JMETHOD(void, term_entropy_encoder, (void));
    };

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations
(see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype
declaration to coerce actual parameters into the right types. Therefore, use
explicit casts on actual parameters whenever the actual parameter type is not
identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator
is defined to return int, yet size_t is defined as long. Needless to say,
this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(),
so that the result is guaranteed to be of type size_t.
The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRyIw4/libjpeg-turbo-1.2.90/coderules.txt
No license file was found, but licenses were detected in source scan.

/*
 * jdpostct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 */
* This file contains the decompression postprocessing controller.
* This controller manages the upsampling, color conversion, and color
* quantization/reduction steps; specifically, it controls the buffering
* between upsample/color conversion and color quantization/reduction.
* 
* If no color quantization/reduction is required, then this module has no
* work to do, and it just hands off to the upsample/color conversion code.
* An integrated upsample/convert/quantize process would replace this module
* entirely.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdpostct.c
No license file was found, but licenses were detected in source scan.

/*
 * jaricom.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jaricom.c
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Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
Maintainer: The libjpeg-turbo Project [http://www.libjpeg-turbo.org]
Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems,
libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

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

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/release/deb-control.tmpl
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/*
 * jdct.h
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This include file contains common declarations for the forward and
 * inverse DCT modules. These declarations are private to the DCT managers
 * (jcdctmgr.c, jddctmgr.c) and the individual DCT algorithms.
 * The individual DCT algorithms are kept in separate files to ease
 * machine-dependent tuning (e.g., assembly coding).
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jdct.h
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/*
 * jfdctint.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.

* This file contains a slow-but-accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).

* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.

* This implementation is based on an algorithm described in
* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jfdctint.c
No license file was found, but licenses were detected in source scan.

/*
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*
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* *
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* - Neither the name of the libjpeg-turbo Project nor the names of its
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*   software without specific prior written permission.
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcstest.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJScalingFactor.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCustomFilter.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransform.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransformer.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdmerge.c

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

/*
* jdmerge.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Modifications:
* Copyright (C) 2009, 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains code for merged upsampling/color conversion.
* *
* This file combines functions from jdsample.c and jcolor.c;
* read those files first to understand what's going on.
* */
* When the chroma components are to be upsampled by simple replication
* (ie, box filtering), we can save some work in color conversion by
* calculating all the output pixels corresponding to a pair of chroma
* samples at one time. In the conversion equations
* \[ R = Y + K1 \times Cr \]
* \[ G = Y + K2 \times Cb + K3 \times Cr \]
* \[ B = Y + K4 \times Cb \]
* only the Y term varies among the group of pixels corresponding to a pair
* of chroma samples, so the rest of the terms can be calculated just once.
* At typical sampling ratios, this eliminates half or three-quarters of the
* multiplications needed for color conversion.
* This file currently provides implementations for the following cases:
* YCbCr => RGB color conversion only.
* Sampling ratios of 2h1v or 2h2v.
* No scaling needed at upsample time.
* Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
* the only common cases. (For uncommon cases we fall back on the more
* general code in jdsample.c and jdcolor.c.)
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdmerge.c
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libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100
image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008
http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and
its about time they become a part of history only. They are too small, come from data sources too old and are
available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are
photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects
of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

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Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Fröhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser, Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]
sachingarg@c10n.info


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

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/testimages/nightshot_iso_100.txt
No license file was found, but licenses were detected in source scan.

\f0\fs24 \c0\lbjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.\lbjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and\lbjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/release/ReadMe.rtf

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

/*
 * jdarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy decoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/jdarith.c

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

/*
 * jmemmgr.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the JPEG system-independent memory management
 * routines. This code is usable across a wide variety of machines; most
 * of the system dependencies have been isolated in a separate file.
 * The major functions provided here are:
 * * pool-based allocation and freeing of memory;
 * * policy decisions about how to divide available memory among the
 * virtual arrays;
 * * control logic for swapping virtual arrays between main memory and
 * backing storage.
 * The separate system-dependent file provides the actual backing-storage
 * access code, and it contains the policy decision about how much total
 * main memory to use.
 * This file is system-dependent in the sense that some of its functions
 * are unnecessary in some systems. For example, if there is enough virtual
 * memory so that backing storage will never be used, much of the virtual
 * array control logic could be removed. (Of course, if you have that much
 * memory then you shouldn't care about a little bit of unused code...)
/*

This file was part of the Independent JPEG Group's software:
Copyright (C) 1991-1996, Thomas G. Lane.

Modifications:
Copyright (C) 2010, D. R. Commander.
For conditions of distribution and use, see the accompanying README file.

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

*/

-founded in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjy/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jmemmgr.c
No license file was found, but licenses were detected in source scan.

*/
* rdswitch.c
*

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

*/

-founded in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjy/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/rdswitch.c
No license file was found, but licenses were detected in source scan.

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reasons for developing this free software was to help force convergence on

-founded in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjy/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/rdswitch.c
No license file was found, but licenses were detected in source scan.

*/
* jcmainct.c
*

Copyright (C) 1994-1996, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.
This file contains the main buffer controller for compression.
The main buffer lies between the pre-processor and the JPEG compressor proper; it holds downsampled data in the JPEG colorspace.

Found in path(s):
*/

jdapistd.c
*/

This file was part of the Independent JPEG Group's software:
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Modifications:
Copyright (C) 2010, D. R. Commander.
For conditions of distribution and use, see the accompanying README file.
*/

Found in path(s):
*/

jchuff.h
*/

Copyright (C) 1991-1997, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.
*/

Found in path(s):
*/
/*
* jquant1.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, D. R. Commander
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains 1-pass color quantization (color mapping) routines.
* These routines provide mapping to a fixed color map using equally spaced
* color values. Optional Floyd-Steinberg or ordered dithering is available.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWI4/libjpeg-turbo-1.2.90/jquant1.c
No license file was found, but licenses were detected in source scan.

/*
* jsimd.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWI4/libjpeg-turbo-1.2.90/jsimd.h
No license file was found, but licenses were detected in source scan.

/*
* jfdctfst.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a fast, not so accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).
A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT on each column. Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.

While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.

The primary disadvantage of this method is that with fixed-point math, accuracy is lost due to imprecise representation of the scaled quantization values. The smaller the quantization table entry, the less precise the scaled value, so this implementation does worse with high-quality-setting files than with low-quality ones.

This file contains routines to write output images in RLE format. The Utah Raster Toolkit library is required (version 3.1 or later).

These routines may need modification for non-Unix environments or specialized applications. As they stand, they assume output to an ordinary stdio stream.

Based on code contributed by Mike Lijewski, with updates from Robert Hutchinson.
archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/wrrle.c
No license file was found, but licenses were detected in source scan.

/*
 * jddctmgr.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2002-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the inverse-DCT management logic.
 * This code selects a particular IDCT implementation to be used,
 * and it performs related housekeeping chores. No code in this file
 * is executed per IDCT step, only during output pass setup.
 *
 * Note that the IDCT routines are responsible for performing coefficient
 * dequantization as well as the IDCT proper. This module sets up the
 * dequantization multiplier table needed by the IDCT routine.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jddctmgr.c
No license file was found, but licenses were detected in source scan.

/*
 * rdjpgcom.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2009 by Bill Allombert, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a very simple stand-alone application that displays
 * the text in COM (comment) markers in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/rdjpgcom.c
No license file was found, but licenses were detected in source scan.
/*
 * jinclude.h
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file exists to provide a single place to fix any problems with
 * including the wrong system include files. (Common problems are taken
 * care of by the standard jconfig symbols, but on really weird systems
 * you may have to edit this file.)
 * *
 * NOTE: this file is NOT intended to be included by applications using the
 * JPEG library. Most applications need only include jpeglib.h.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jinclude.h
No license file was found, but licenses were detected in source scan.

/*
 * jdhuff.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains declarations for Huffman entropy decoding routines
 * that are shared between the sequential decoder (jdhuff.c) and the
 * progressive decoder (jdphuff.c). No other modules need to see these.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdhuff.h
No license file was found, but licenses were detected in source scan.

/*
 * wrppm.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 */
* This file contains routines to write output images in PPM/PGM format.
* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).

* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/wrppm.c
No license file was found, but licenses were detected in source scan.

/*
  * jdatadst.c
  *
  * This file was part of the Independent JPEG Group's software:
  * Copyright (C) 1994-1996, Thomas G. Lane.
  * Modified 2009-2012 by Guido Vollbeding.
  * Modifications:
  * Copyright (C) 2013, D. R. Commander.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains compression data destination routines for the case of
  * emitting JPEG data to memory or to a file (or any stdio stream).
  * While these routines are sufficient for most applications,
  * some will want to use a different destination manager.
  * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
  * JOCTETs into 8-bit-wide elements on external storage. If char is wider
  * than 8 bits on your machine, you may need to do some tweaking.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdatadst.c
No license file was found, but licenses were detected in source scan.

/*
  * jcmaster.c
  *
  * This file was part of the Independent JPEG Group's software:
  * Copyright (C) 1991-1997, Thomas G. Lane.
  * Modified 2003-2010 by Guido Vollbeding.
  * Modifications:
  * Copyright (C) 2010, D. R. Commander.
  * For conditions of distribution and use, see the accompanying README file.
* This file contains master control logic for the JPEG compressor.
* These routines are concerned with parameter validation, initial setup,
* and inter-pass control (determining the number of passes and the work
* to be done in each pass).
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcmaster.c
No license file was found, but licenses were detected in source scan.

/*
* jerror.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file defines the error and message codes for the JPEG library.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
* A set of error-reporting macros are defined too. Some applications using
* the JPEG library may wish to include this file to get the error codes
* and/or the macros.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jerror.h
No license file was found, but licenses were detected in source scan.

/*
* cdjpeg.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains common declarations for the sample applications
* cjpeg and djpeg. It is NOT used by the core JPEG library.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/cdjpeg.h
No license file was found, but licenses were detected in source scan.

/*
 * wrgif.c
 * 
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * 
 * This file contains routines to write output images in GIF format.
 * 
 * ***************************************************************
 * NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
 * this code has been modified to output "uncompressed GIF" files.       *
 * There is no trace of the LZW algorithm in this file.               *
 * ***************************************************************
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */

/*
 * This code is loosely based on ppmtogif from the PBMPLUS distribution
 * of Feb. 1991. That file contains the following copyright notice:
 * Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>.
 * Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
 * Copyright (C) 1989 by Jef Poskanzer.
 * Permission to use, copy, modify, and distribute this software and its
 * documentation for any purpose and without fee is hereby granted, provided
 * that the above copyright notice appear in all copies and that both that
 * copyright notice and this permission notice appear in supporting
 * documentation. This software is provided "as is" without express or
 * implied warranty.
 *
 * We are also required to state that
 * "The Graphics Interchange Format(c) is the Copyright property of
 * CompuServe Incorporated. GIF(sm) is a Service Mark property of
 * CompuServe Incorporated."
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/minilibjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/wrgif.c
No license file was found, but licenses were detected in source scan.

/*
 * transupp.h
 */
* JPEG compatibility macros
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn't need to include this file.
*/

Found in path(s):
/ /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYJW4/libjpeg-turbo-1.2.90/jpegcomp.h

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

```
\{\fonttbl\f0\fswiss\fcharset0 Helvetica;\}
\{\colorolding\f0\fswiss\fcharset0 green255\fswiss\fcharset0 blue255;\}
\{%\listtable\{\list\listtemplateid1\listhybrid\{\listlevel\levelnfc23\levelnc23\leveljc0\leveljn0\levelhspace360\levelindent0\{\levelmarker \{disc\} ;\}{\leveltext\leveltemplateid1\listtext\leveltemplateid1\listtext\leveltemplateid1\listtext\leveltemplateid1\listtext}\{\levelnumbers;\}\fi-360\li720\lin720\} ;\}
\{\listname ;\}
\listid1\}
\{\listoverridetable\{\listoverride\listid1\listoverridecount0\ls1\}
\margl1440\margr1440\vieww9820\viewh8480\viewkind0\ndeftab720\pard\pardeftab720
\voffset24\csect0\Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:\
\pard\tx220\tx720\pardeftab720\li720\fi-720\ls1\li0\csect0\Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.\n\{\listtext\95\}Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.\n\{\listtext\95\}Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.\n\pard\pardeftab720\qc\csect0\pard\pardeftab720\csect0\THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS", AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.\n\}

Found in path(s):
No license file was found, but licenses were detected in source scan.

; jsimdext.inc - common declarations
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
; This software is provided 'as-is', without any express or implied
; warranty. In no event will the authors be held liable for any damages
; arising from the use of this software.
;
; Permission is granted to anyone to use this software for any purpose,
; including commercial applications, and to alter it and redistribute it
; freely, subject to the following restrictions:
;
; 1. The origin of this software must not be misrepresented; you must not
; claim that you wrote the original software. If you use this software
; in a product, an acknowledgment in the product documentation would be
; appreciated but is not required.
; 2. Altered source versions must be plainly marked as such, and must not be
; misrepresented as being the original software.
; 3. This notice may not be removed or altered from any source distribution.
;
; [TAB8]

;=============================================================================
; System-dependent configurations

%ifdef WIN32; ----(nasm -fwin32 -DWIN32 ...)-------
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

; -- segment definition --
;
%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .rdata align=16 public use32 class=CONST
%endif

%elifdef WIN64; ----(nasm -fwin64 -DWIN64 ...)--------
; * Microsoft Visual C++

; -- segment definition --
;
%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use64 class=CODE
%define SEG_CONST .rdata align=16 public use64 class=CONST
%endif
%define EXTN(name) name			; foo() -> foo

%elifdef OBJ32; ----(nasm -fobj -DOBJ32 ...)----------
; * Borland C++ (Win32)

; -- segment definition --
;
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .data align=16 public use32 class=DATA

%elifdef ELF; ----(nasm -felf[64] -DELF ...)----------------
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

; -- segment definition --
;
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL _GLOBAL_OFFSET_TABLE_	; ELF supports PIC
%define EXTN(name) name: foo() -> foo

%elifdef AOUT; ----(nasm -faout/aout -DAOUT ...)----
; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; BSD-style a.out supports PIC

%elifdef MACHO; ----(nasm -fmacho -DMACHO ...)--------
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
;
%define SEG_TEXT .text :align=16; nasm doesn't accept align=16. why?
%define SEG_CONST .rodata align=16

; The generation of position-independent code (PIC) is the default on Darwin.
;
%define PIC
%define GOT_SYMBOL __MACHO_PIC__; Mach-O style code-relative addressing

%else; ----(Other case)----------------------

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

%endif; ----------------------------------------------

; ==========================================================================
; --------------------------------------------------------------------------
;  Common types
;
%ifdef __x86_64__
%define POINTER                 qword           ; general pointer type
%define SIZEOF_POINTER          SIZEOF_QWORD    ; sizeof(POINTER)
%define POINTER_BIT             QWORD_BIT       ; sizeof(POINTER)*BYTE_BIT
%else
%define POINTER                 dword           ; general pointer type
%endif; __x86_64__
%define SIZEOF_POINTER SIZEOF_DWORD ; sizeof(POINTER)
%define POINTER_BIT DWORD_BIT ; sizeof(POINTER)*BYTE_BIT
%endif

%define INT dword ; signed integer type
%define SIZEOF_INT SIZEOF_DWORD ; sizeof(INT)
%define INT_BIT DWORD_BIT ; sizeof(INT)*BYTE_BIT

%define FP32 dword ; IEEE754 single
%define SIZEOF_FP32 SIZEOF_DWORD ; sizeof(FP32)
%define FP32_BIT DWORD_BIT ; sizeof(FP32)*BYTE_BIT

%define MMWORD qword ; int64 (MMX register)
%define SIZEOF_MMWORD SIZEOF_QWORD ; sizeof(MMWORD)
%define MMWORD_BIT QWORD_BIT ; sizeof(MMWORD)*BYTE_BIT

; NASM is buggy and doesn't properly handle operand sizes for SSE
; instructions, so for now we have to define XMMWORD as blank.
%define XMMWORD ; int128 (SSE register)
%define SIZEOF_XMMWORD SIZEOF_OWORD ; sizeof(XMMWORD)
%define XMMWORD_BIT OWORD_BIT ; sizeof(XMMWORD)*BYTE_BIT

; Similar hacks for when we load a dword or MMWORD into an xmm# register
%define XMM_DWORD
%define XMM_MMWORD

%define SIZEOF_BYTE 1 ; sizeof(BYTE)
%define SIZEOF_WORD 2 ; sizeof(WORD)
%define SIZEOF_DWORD 4 ; sizeof(DWORD)
%define SIZEOF_QWORD 8 ; sizeof(QWORD)
%define SIZEOF_OWORD 16 ; sizeof(OWORD)

%define BYTE_BIT 8 ; CHAR_BIT in C
%define WORD_BIT 16 ; sizeof(WORD)*BYTE_BIT
%define DWORD_BIT 32 ; sizeof(DWORD)*BYTE_BIT
%define QWORD_BIT 64 ; sizeof(QWORD)*BYTE_BIT
%define OWORD_BIT 128 ; sizeof(OWORD)*BYTE_BIT

; --------------------------------------------------------------------------
; External Symbol Name
;
%ifndef EXTN
%define EXTN(name) _ %+ name ; foo() -> _foo
%endif

; --------------------------------------------------------------------------
; Macros for position-independent code (PIC) support
;
%ifndef GOT_SYMBOL
%undef PIC
%endif

%ifdef PIC ; -------------------------------------------
%ifidn GOT_SYMBOL,_MACHO_PIC_ ; -------------------

; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a little tricky.

SECTION SEG_CONST
const_base:

%define GOTOFF(got,sym) (got) + (sym) - const_base

%imacro get_GOT1
; NOTE: this macro destroys ecx resister.
call%%geteip
addecx, byte (%%ref - $)
jmpshort %%adjust
%%geteip:
mov ecx, POINTER [esp]
ret
%adjust:
pushbp
xorebp,ebp; ebp = 0
%ifidni %1,ebx ; (%1 == ebx)
; db 0x8D,0x9C + jmp near const_base =
; lea ebx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,9C,E9,(offset32)
db0x8D,0x9C; 8D,9C
jmpnear const_base; E9,(const_base-%%ref)
%ref:
%else ; (%1 != ebx)
; db 0x8D,0x8C + jmp near const_base =
; lea ecx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,8C,E9,(offset32)
db0x8D,0x8C; 8D,8C
jmpnear const_base; E9,(const_base-%%ref)
%ref:mov%1, ecx
%endif ; (%1 == ebx)
popebp
%endmacro

%else; GOT_SYMBOL != _MACHO_PIC_ -------------------

%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff

%imacro get_GOT1
extern GOT_SYMBOL
    call %%%geteip
    add%1, GOT_SYMBOL + $$ - $ wrt ..gotpc
    jmpshort %%%done
    %%%geteip:
    mov%1, POINTER [esp]
    ret
    %%%done:
    %endmacro

%endif; GOT_SYMBOL == _MACHO_PIC_  ---------------

%imacro pushpic1.nolist
    push%1
    %endmacro
%imacro poppic1.nolist
    pop%1
    %endmacro
%imacro movpic2.nolist
    mov%1, %2
    %endmacro

%else; !PIC ----------------------------------------

%define GOTOFF(got,sym) (sym)

%imacro get_GOT1.nolist
%endmacro
%imacro pushpic1.nolist
%endmacro
%imacro poppic1.nolist
%endmacro
%imacro movpic2.nolist
%endmacro

%endif;  PIC -----------------------------------------

; --------------------------------------------------------------------------
;  Align the next instruction on {2,4,8,16,...}-byte boundary.
;  ".balign n,,m" in GNU as
; ;
%define MSKLE(x,y)  (~(((y) & 0xFFFF) - ((x) & 0xFFFF)) >> 16)
%define FILLB(b,n)  (($$-(b)) & ((n)-1))

%imacro alignx 1-2.nolist 0xFFFF
%%bs:
times MSKLE(FILLB(%%bs,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1) 
db 0x90                               ; nop
times MSKLE(FILLB(%%bs,%1),%2)/9 


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: Align the next data on \{2,4,8,16,..\}-byte boundary.

%imacro alignz 1.nolist

align %1, db 0; filling zeros
%endmacro

%ifdef __x86_64__

%ifdef WIN64

%imacro collect_args 0
push r12
push r13
push r14
push r15
mov r10, rcx
mov r11, rdx
mov r12, r8
mov r13, r9
mov r14, [rax+48]
mov r15, [rax+56]
push rsi
push rdi
sub  rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm6
sub   rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm7
%endmacro

%imacro uncollect_args 0
movaps xmm7, XMMWORD [rsp]
add   rsp, SIZEOF_XMMWORD
movaps xmm6, XMMWORD [rsp]
add    rsp, SIZEOF_XMMWORD
pop rdi
pop rsi
pop r15
pop r14
pop r13
pop r12
%endmacro

%else

%imacro collect_args 0
push r10
push r11
push r12
push r13
push r14
push r15
mov r10, rdi
mov r11, rsi
mov r12, rdx
mov r13, rcx
mov r14, r8
mov r15, r9
%endmacro

%imacro uncollect_args 0
pop r15
pop r14
pop r13
pop r12
pop r11
pop r10
%endmacro

%endif
%endif

; --------------------------------------------------------------------------
; Defines picked up from the C headers
;
%include "jsimdcfg.inc"

; --------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIYIw4/libjpeg-turbo-1.2.90/simd/jsimdext.inc

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/*
 * jcarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy encoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIYIw4/libjpeg-turbo-1.2.90/jcarith.c

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/*
 * jcprepct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the compression preprocessing controller.
 * This controller manages the color conversion, downsampling, 
 * and edge expansion steps.
 *
 * Most of the complexity here is associated with buffering input rows
 * as required by the downsampler.  See the comments at the head of
 * jcsample.c for the downsampler's needs.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIYIw4/libjpeg-turbo-1.2.90/jcprepct.c

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; more details.
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/*
 * jdhuff.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */

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

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

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

This file contains routines to read input images in Utah RLE format.
The Utah Raster Toolkit library is required (version 3.1 or later).

These routines may need modification for non-Unix environments or
specialized applications. As they stand, they assume input from
an ordinary stdio stream. They further assume that reading begins
at the start of the file; start_input may need work if the
user interface has already read some data (e.g., to determine that
the file is indeed RLE format).

Based on code contributed by Mike Lijewski,
with updates from Robert Hutchinson.

This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains routines to read input images in Utah RLE format.
The Utah Raster Toolkit library is required (version 3.1 or later).

These routines may need modification for non-Unix environments or
specialized applications. As they stand, they assume input from
an ordinary stdio stream. They further assume that reading begins
at the start of the file; start_input may need work if the
user interface has already read some data (e.g., to determine that
the file is indeed RLE format).

Based on code contributed by Mike Lijewski,
with updates from Robert Hutchinson.
* jdcoefct.c

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* Modifications:
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* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the coefficient buffer controller for decompression.
* This controller is the top level of the JPEG decompressor proper.
* The coefficient buffer lies between entropy decoding and inverse-DCT steps.
* 
* In buffered-image mode, this controller is the interface between
* input-oriented processing and output-oriented processing.
* Also, the input side (only) is used when reading a file for transcoding.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdcoefct.c
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/*
* jdmainct.c

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* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the main buffer controller for decompression.
* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
* 
* Note that this code is bypassed in raw-data mode, since the application
* supplies the equivalent of the main buffer in that case.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdmainct.c
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/*
* jcapistd.c

* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the compression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-compression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_compress, it will end up linking in the entire compressor.
* We thus must separate this file from jcapimin.c to avoid linking the
* whole compression library into a transcoder.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jcapistd.c

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/ *
* rdcolmap.c *
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file implements djpeg's "-map file" switch. It reads a source image
* and constructs a colormap to be supplied to the JPEG decompressor.
*
* Currently, these file formats are supported for the map file:
* GIF: the contents of the GIF's global colormap are used.
* PPM (either text or raw flavor): the entire file is read and
* each unique pixel value is entered in the map.
* Note that reading a large PPM file will be horrendously slow.
* Typically, a PPM-format map file should contain just one pixel
* of each desired color. Such a file can be extracted from an
* ordinary image PPM file with ppmtomap(1).
*
* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
* currently implemented.
*/

/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
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** implied warranty.
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/rdcolmap.c

1.898 libndp 1.2 7.el7

1.898.1 Available under license:

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Version 2.1, February 1999

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1.908 jackson-module-parameter-names
2.10.3
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1.918 okhttp 3.12.12

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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/connection/RouteSelector.java
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jar/okhttp3/internal/cache/InternalCache.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Route.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Request.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Handshake.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/ErrorCode.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Dispatcher.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/tls/DistinguishedNameParser.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/UnrepeatableRequestBody.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/StreamResetException.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/RealInterceptorChain.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/StreamResetException.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/CallServerInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/tls/TrustRootIndex.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Address.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-
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/**
 * Thrown during bytecode enhancement conversions of ognl expressions to indicate
 * that a certain expression isn't currently supported as a pure java bytecode enhanced
 * version.
 */
* `<p>`
* If this exception is thrown it is expected that ognl will fall back to default ognl
* evaluation of the expression.
* `<p>`
* 
* @author jkuhnert
*/

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1.934 libgcc 4.8.5

1.935 binutils 2.27 34.base.el7

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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

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

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Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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

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

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

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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which
pseudo-ops. He updated the 68k machine description so that Motorola’s oven codes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you’ve contributed significant work and are not mentioned on this list, and
want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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@end example

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

@example
Gnomovision version 69, Copyright (C) @var{year}  @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

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

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

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

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

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

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<one line to give the library's name and a brief idea of what it does.>

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

That's all there is to it!

1.951 libSDL 1.2.15-16.el7
1.951.1 Available under license :

The test programs in this directory tree are for demonstrating and testing the functionality of the SDL library, and are placed in the public domain.

October 28, 1997

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Sam Lantinga(slouken@libSDL.org)

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Version 2.1, February 1999

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while
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1.952 shadow-utils 4.1.5.1

1.953 commons-io 2.6

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1.954 icu 50.1.2-15.el7
1.954.1 Available under license :

## -*-makefile-*-##
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
## Copyright (c) 1999-2009, International Business Machines Corporation and
## others. All Rights Reserved.
## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXXFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS=-Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
  | sed 's/($\$\n)\.o [:]*\$\n\n.*/\n  \n  [ -s $@ ] \| rm -f $@'"
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\s*$\([^*]\)$.*\|.*$\|^>' > $@; \
[ -s $@ ] || rm -f $@

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup

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1.955 zjsonpatch 0.3.0

1.956 popt 1.13 16.el7
1.956.1 Available under license :

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1.957 jackson-dataformat-yaml 2.9.8
1.957.1 Available under license:
  # Jackson JSON processor
  
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1.960 openssh 7.5-p1

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
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* java.sun.security.ssl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.963 microcode-ctl 2.1

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This update supersedes microcode provided by Red Hat with the CVE-2017-5715 (Spectre) CPU branch injection vulnerability mitigation. (Historically, Red Hat has provided updated microcode, developed by our microprocessor partners, as a customer convenience.) Further testing has uncovered problems with the microcode provided along with the Spectre mitigation that could lead to system instabilities. As a result, Red Hat is providing an microcode update
that reverts to the last known good microcode version dated before 03 January 2018. Red Hat strongly recommends that customers contact their hardware provider for the latest microcode updates.

IMPORTANT: Customers using Intel Skylake-, Broadwell-, and Haswell-based platforms must obtain and install updated microcode from their hardware vendor immediately. The "Spectre" mitigation requires both an updated kernel from Red Hat and updated microcode from your hardware vendor.

1.964 httpcomponents-client 4.5.2
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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5c8f2b5b6.

  Author: Julio Merino <jmmv@NetBSD.org>
* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

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<!- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
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  </xsl:variable>
</xsl:stylesheet>
1.966 addressing 1.6.2

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#
src/bdf/bdf.c	src/bdf/bdf.h	src/bdf/bdfdrivr.c	src/bdf/bdfdrivr.h	src/bdf/bdferror.h	src/bdf/bdflib.c	src/bdf/module.mk	src/bdf/README	src/bdf/rules.mk
#
src/pcf/module.mk	src/pcf/pcf.c	src/pcf/pcf.h	src/pcf/pcfdrivr.c	src/pcf/pcfdrivr.h	src/pcf/pcferror.h	src/pcf/pcfread.c	src/pcf/pcfread.h
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src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/inftutil.c
src/gzip/inftutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
  #
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.982 slf4j 1.7.2

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1.983 jackson-databind 2.6.6
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1.984 man-db 2.6.3-11.el7

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<signature of Ty Coon>, 1 April 1990
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1.990 libsgutils 1.37-12.el7

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1.991 strace 4.8-11.el7

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1.992 geronimo-stax-api 1.0.1

1.993 glib 2.42.2 5.el7
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End

1.994 stix-fonts 1.1.0

1.994.1 Available under license:

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

%global fontname stix
%global fontconf 61-%{fontname}

%global archivename STIXv%{version}

%global common_desc \The mission of the Scientific and Technical Information Exchange (STIX) font \creation project is the preparation of a comprehensive set of fonts that serve \the scientific and engineering community in the process from manuscript \creation through final publication, both in electronic and print formats.

Name: %{fontname}-fonts
Version: 1.1.0
Release: 5%{?dist}
Summary: Scientific and engineering fonts

Group: User Interface/X
License: OFL
URL: http://www.stixfonts.org/
Source0: http://downloads.sourceforge.net/stixfonts/%{archivename}.zip
Source10: stix-fonts-fontconfig.conf
Source11: stix-fonts-math-fontconfig.conf

BuildArch: noarch
BuildRequires: fontpackages-devel
Requires: fontpackages-filesystem
Obsoletes: stix-fonts-doc < 1.1.0

%description
%common_desc

This package includes base Unicode fonts containing most glyphs for standard use in the usual four styles.

%_font_pkg -f %{fontconf}.conf STIX-*otf
%doc License/*.pdf *.pdf

%package -n %{fontname}-math-fonts
Summary: Scientific and engineering fonts, PUA glyphs
Requires: %{name} = %{version}-%{release}

Obsoletes: stix-integrals-fonts < 1.1.0
Obsoletes: stix-pua-fonts < 1.1.0
Obsoletes: stix-sizes-fonts < 1.1.0
Obsoletes: stix-variants-fonts < 1.1.0

%description -n %{fontname}-math-fonts
%common_desc

This package includes one symbol font completing the four faces in the main %{name} package. It replaces the heap of confusing fontlets in the first Stix release.

%_font_pkg -n math -f %{fontconf}-math.conf STIXMath*otf

%prep
%setup -q -c

%build

%install
rm -fr %{buildroot}
install -m 0755 -d %{buildroot} _fontdir
install -m 0644 -p Fonts/STIX-Word/*.otf %{buildroot} _fontdir
install -m 0755 -d %{buildroot} _fontconfig_templatedir \ 
            %{buildroot} _fontconfig_confdir
install -m 0644 -p %{SOURCE10} \%
{buildroot}{_fontconfig_templatedir}/{fontconf}.conf
install -m 0644 -p %{SOURCE11} \%
{buildroot}{_fontconfig_templatedir}/{fontconf}-math.conf

for fconf in %{fontconf}.conf \
  %{fontconf}-math.conf ; do
  ln -s %{_fontconfig_templatedir}/$fconf \
  %{buildroot}{_fontconfig_confdir}/$fconf
done

%clean
rm -fr %{buildroot}

%changelog
* Fri Dec 27 2013 Daniel Mach <dmach@redhat.com> - 1.1.0-5
  - Mass rebuild 2013-12-27

* Fri Feb 15 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.1.0-4
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Thu Nov 08 2012 Stanislav Ochotnicky <sochotnicky@redhat.com> - 1.1.0-3
  - Upstream changed their tarball with new pdf, rebuild

* Sat Jul 21 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.1.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Sun Jul 8 2012 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 1.1.0-1
  Update to new stable release
  Major refactoring now that some sanity prevailed upstream in font naming
  Be careful if you used the old font family names

* Sat Jan 14 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.0.0-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild

* Wed Feb 09 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.0.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Sun Jul 25 2010 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 1.0.0-1
  Update to non-beta release
  Switch licensing to OFL
  Add -doc subpackage

* Sun Jul 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
- 0.9-13
Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Wed Feb 25 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
  - 0.9-12
Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Mon Feb 16 2009 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-11
prepare for F11 mass rebuild, new rpm and new fontpackages

* Fri Jan 16 2009 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-10
Convert to new naming guidelines

* Sun Nov 23 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-9
rpm-fonts renamed to fontpackages

* Fri Nov 14 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-8
Rebuild using new rpm-fonts

* Fri Jul 11 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-7
Fedora 10 alpha general package cleanup

* Thu Nov 1 2007 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  0.9-6
Add some fontconfig aliasing rules
  0.9-4
Initial experimental packaging

Found in path(s):
* /opt/cola/permits/1124279360_1611040725.53/0/stix-fonts-1.1.0-5.el7-1.src.rpm-cosi-expand-archive-Lp9Irqzq/stix-fonts.spec

1.995 eclipse-core-runtime 3.10.0.v20140318-2214
1.996 wpa-supplicant 2.6

1.997 harfbuzz 1.3.2 1.el7

1.997.1 Available under license:

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1.998 iputils 20160308 10.el7
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1.999 dropwizard-jetty 1.3.23

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1.1000 javax-el 2.2.6

1.1001 javassist 3.20.0-GA
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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/CtNewWrappedConstructor.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/Modifier.java
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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/util/proxy/SecurityActions.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/annotation/AnnotationsWriter.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/DoubleConst.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/bytecode/Opcode.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/bytecode/TypeTag.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/runtime/DotClass.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/reflect/CannotInvokeException.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/convert/TransformAccessArrayField.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/Declarator.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/util/proxy/ProxyObjectInputStream.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/CodeGen.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/stackmap/TypeTag.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/stackmap/TypeTag.java

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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/CtMethod.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/NewExpr.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/reflect/CannotReflectException.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/convert/TransformAfter.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/ExceptionsAttribute.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/convert/TransformNew.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/web/Viewer.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/CtClassType.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/analysis/Frame.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/StackMapTable.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/expref/Expr.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/reflect/Metaobject.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/classmap/BasicBlock.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/CallExpr.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/CtNewWrappedMethod.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/ByteStream.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/JvstCodeGen.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/util/proxy/ProxyFactory.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/stackmap/BasicBlock.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/NewExpr.java
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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/JvstCodeGen.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/ClassPool.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/SerialVersionUID.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/reflect/Metaobject.java
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1.1009 guava 18.0

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1.1010 openssh 7.4p1 16.el7

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diff -up openssh-7.4p1/sftp-server.8.sftp-force-mode openssh-7.4p1/sftp-server.8
--- openssh-7.4p1/sftp-server.8.sftp-force-mode2016-12-19 05:59:41.000000000 +0100
+++ openssh-7.4p1/sftp-server.82017-02-09 10:35:41.926475399 +0100
@@ -38,6 +38,7 @@
 .Op Fl P Ar blacklisted_requests
 .Op Fl p Ar whitelisted_requests
 .Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
 .Ek
 .Nm
 .Fl Q Ar protocol_feature
@@ -138,6 +139,10 @@
 Sets an explicit umask 2
to be applied to newly-created files and directories, instead of the user's default mask.
+.It Fl m Ar force_file_perms
+Sets explicit file permissions to be applied to newly-created files instead
+of the default or client requested mode. Numeric values include:
+777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.
 .El
 .Pp
On some systems,
diff -up openssh-7.4p1/sftp-server.c.sftp-force-mode openssh-7.4p1/sftp-server.c
--- openssh-7.4p1/sftp-server.c.sftp-force-mode2017-02-09 10:22:36.498019921 +0100
+++ openssh-7.4p1/sftp-server.c2017-02-09 10:35:07.190520959 +0100
@@ -65,6 +65,10 @@
 /* Version of client */
 static u_int version;
+/* Force file permissions */
+int permforce = 0;
+long permforcemode;
+/* SSH2_FXP_INIT received */
 static int init_done;
@@ -679,6 +683,7 @@ process_open(u_int32_t id)
  Attr *name;
  char *name;
  int r, handle, fd, flags, mode, status = SSH2_FX_FAILURE;
+  mode_t old_umask = 0;

 if ((r = sshbuf_get_cstring(iqueue, &name, NULL)) != 0 ||
     (r = sshbuf_get_u32(iqueue, &pflags)) != 0) /* portable flags */
@@ -688,6 +693,10 @@ process_open(u_int32_t id)
 debug3("request %u: open flags %d", id, pflags);
 flags = flags_from_portable(pflags);
 mode = (a.flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a.perm : 0666;
+if (permforce == 1) { /* Force perm if -m is set */
+  mode = permforcemode;
+  old_umask = umask(0); /* so umask does not interfere */
+}
 logit("open "name, string_from_portable(pflags), mode);
 if (readonly &&
@@ -709,6 +718,8 @@ process_open(u_int32_t id)
 }
}
}
+if (permforce == 1)
+(void) umask(old_umask); /* restore umask to something sane */
if (status != SSH2_FX_OK)
send_status(id, status);
free(name);
@@ -1490,7 +1501,7 @@ sftp_server_usage(void)
 fprintf(stderr,
     "usage: %s [-ehR] [-d start_directory] [-f log_facility] \
     [-l log_level][n][P blacklisted_requests] \
-       [-p whitelisted_requests] [-u umask]
+       [-p whitelisted_requests] [-u umask] [-m force_file_perms]
%" s
 -Q protocol_feature\n",
 __progsname, __progsname);
 exit(1);
@@ -1516,7 +1527,7 @@ sftp_server_main(int argc, char **argv,
 pw = pwcopy(user_pw);

 while (!skipargs && (ch = getopt(argc, argv,
        switch (ch) {
          case 'Q':
            if (strcmp(optarg, "requests") != 0) {
@@ -1576,6 +1587,15 @@ sftp_server_main(int argc, char **argv,
              fatal("Invalid umask \"%s\", optarg);
(void)umask((mode_t)mask);
break;
+case 'm':
+/* Force permissions on file received via sftp */
+permforce = 1;
+permforcemode = strtol(optarg, &cp, 8);
+if (permforcemode < 0 || permforcemode > 0777 ||
+    *cp != '\0' || (permforcemode == 0 &&
+    errno != 0))
+fatal("Invalid file mode \"%s\"", optarg);
+break;
+default:
sftp_server_usage();
This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
Wed, 13 Jan 2010 01:08:49 +0300.

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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef COMPAT_POLL_H_
#define COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;

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typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#define POLLNORM POLLRDNorm
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLRDBAND 0x0080
#endif
#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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 *
#endif

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
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*/
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#include <sys/types.h>
#include <sys/param.h>
#include <sys/socket.h>
#include <sys/time.h>
#include <netinet/in.h>
#include <poll.h>
#include <assert.h>

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020

int poll(struct pollfd *, nfds_t, int);

#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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 *
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID

#ifdef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifdef HAVE_WAITPID

```
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*((int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) ((_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? (_W_INT(w) >> 8) & 0377 : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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 * *
 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#endif /* _BSD_WAITPID_H */
#ifndef HAVE_WAITPID
/* Clean out any potential issues */
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#undef WIFSIGNALED

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#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)
#define WCOREFLAG 0x80

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

1.1011 jackson 2.11.2
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1.1012 postfix 2.10.1-6.el7

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Included for the use of the fix_strcasecmp.c module which works
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---------
- Postfix/TLS support was originally developed by Lutz Jaenicke of
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1.1024 elfutils 0.172 2.el7

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<tbody>
<tr>
<td>Main Mesa code</td>
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<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
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</table>
Gallium code src/gallium/ MIT

Ext headers GL/glext.h Khronos
GL/glxext.h Khronos
GL/wglext.h Khronos
KHR/khrplatform.h Khronos

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-----
include/GL/glext.h
include/GL/glxext.h
include/GL/wglext.h :

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1.1031 pyliblzma 0.5.3

1.1032 libsndfile 1.0.25

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anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
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code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
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Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

Section 6 states terms for distribution of such executables.

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

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

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

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

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

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

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

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

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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire build system we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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1.1050 jakarta xml bind api 2.3.2

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1.1051 jackson-dataformat-xml 2.11.2
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1.1054 jmespath-java 1.11.61

1.1055 iputils 20121221-7.el7

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1.1062 apache-standard-taglib 1.1.2

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1.1063 netbsd-resolv 2.13

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1.1066 mesa 10.6.5-3.20150824.el7
Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
>
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
>
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,
Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*  Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa
project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

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The core Mesa library is licensed according to the terms of the MIT license. This allows integration with the XFree86, Xorg and DRI projects.

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* Rob Earhart
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1.1069 bash 4.2.46 31.el7

1.1069.1 Available under license :
From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
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I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

John
Chet Ramey

---

```
"The lyf so short, the craft so long to lerne." - Chaucer
```

Chet Ramey, Case Western Reserve University
Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

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Local Variables:
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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1.1074 libnotify 0.7.7-1.el7

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 */
package com.amazonaws.services.s3.model;

/**
 * Specifies constants defining an access permission,
 * as granted to grantees in an
 * [AccessControlList](#link AccessControlList). Only a limited set of permission are available;
 * each one is represented as a value in this enumeration.
 */
public enum Permission {

/**
 * Provides READ, WRITE, READ_ACP, and WRITE_ACP permissions.
 * It does not convey additional rights and is provided only for
 * convenience.
 */
 FullControl("FULL_CONTROL", "x-amz-grant-full-control"),

/**
 * Grants permission to list the bucket when applied to a bucket.
 * Grants permission to read object data
 * and/or metadata when applied to an object.
 */
 Read("READ", "x-amz-grant-read"),

/**
 * Grants permission to create, overwrite, and
 * delete any objects in the bucket.
 * This permission is not supported for objects.
 */
 Write("WRITE", "x-amz-grant-write"),

/**
 * Grants permission to read the ACL for the applicable bucket or object.
 * The owner of a bucket or object always implicitly has this permission.
 */
 ReadAcp("READ_ACP", "x-amz-grant-read-acp"),

/**
 * Gives permission to overwrite the ACP for the applicable bucket or
 * object.
 * The owner of a bucket or object always has this permission implicitly.
 */
}
* </p>
* </p>
* Granting this permission is equivalent to granting <code>FULL_CONTROL</code> because
* the grant recipient can make any changes to the ACP.
* </p>
*/

WriteAcp("WRITE_ACP", "x-amz-grant-write-acp");

private String permissionString;
private String headerName;

private Permission(String permissionString, String headerName) {
    this.permissionString = permissionString;
    this.headerName = headerName;
}

/**
 * Returns the name of the header used to grant this permission.
 */

public String getHeaderName() {
    return headerName;
}

/**
 * Gets the string representation of this permission object as defined by
 * Amazon S3, eg. <code>FULL_CONTROL</code>.
 *
 * @return The string representation of this permission object as defined by
 *         Amazon S3, eg. <code>FULL_CONTROL</code>.
 */

public String toString() {
    return permissionString;
}

/**
 * Returns the { @link Permission} enumeration value representing the specified Amazon
 * S3 Region ID string. If specified string doesn't map to a known Amazon S3
 * Region, returns <code>null</code>.
 *
 * @param str
 * @param null
 *
 * @return The { @link Permission} object represented by the given permission string,
 *         Returns <code>null</code> if the string isn't a valid representation
 *         of an Amazon S3
 *         permission.
 */
public static Permission parsePermission(String str) {
    for (Permission permission : Permission.values()) {
        if (permission.permissionString.equals(str)) {
            return permission;
        }
    }

    return null;
}

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# Jackson JSON processor

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

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term "modification").

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

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

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   fee.

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   of it, thus forming a work based on the Library, and copy and
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   above, provided that you also meet all of these conditions:

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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^L
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at least
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d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

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

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

That's all there is to it!

1.1091 haproxy 1.8.13
Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

The solution was then to apply the LGPL license to the exportable include files, while keeping the GPL for all the rest. This way, it still is mandatory to redistribute modified code under customer request, but at the same time, it is expressly permitted to write, compile, link and load non-GPL code using the LGPL header files and not to distribute them if it causes a legal problem.

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Willy Tarreau - w@1wt.eu

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Version 2.1, February 1999

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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a) The modified work must itself be a software library.

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
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subsequent copies and derivative works made from that copy.

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

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

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

5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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1.1092 star 1.5.2-13.el7

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Ident "@(#)i386-bsd-os-cc.rul 1.15 13/11/04"

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#
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include $(SRCROOT)/$(RULESDIR)/rules.prg
###########################################################################
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul

OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)

KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fPIC
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a

SHL_SUFFIX=.so.1.0

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=-Wl,-R%)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN=shared -Wl,-soname,$(TARGET)
#LNDYNLIB:@($RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET)
$(PTARGET_BASE).so
LDOPTDYN=
LNDYNLIB=

RANLIB=@(echo "===> RANDOMIZING ARCHIVE "$@"""); ranlib
#ident "#@(#)Defaults.bsd-os 1.5 13/11/04 "

###########################################################################
#
# global definitions for BSD/OS Systems
#
###########################################################################
#
# Compiler stuff
#
###########################################################################
#DEFCCOM=cc
DEFCCOM=gcc

###########################################################################
#
# Link mode for libraries that are part of the makefile system:
# If DEFINKMODE is set to "static", no dynamic linking will be used
# If DEFINKMODE is set to "dynamic", dynamic linking will be used
#
###########################################################################
DEFINKMODE=static

###########################################################################
#
# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings
#
###########################################################################
CWARNOPTS=

DEFINDIRS=$(SRCROOT)/include
DEFOSINDIRS=
#LDPATH=-L/opt/schily/lib
#RUNPATH=-R$(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR)Will probably not work

###########################################################################
#
# Installation config stuff
#
###########################################################################
INS_BASE=/opt/schily
INS_KBASE=/
INS_RBASE=/
#
DEFUMASK=002
#
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin

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#ident @(#)man-bsd.def 1.2 06/05/14

# Written 1997 by J. Schilling

# Definition for manual sections on BSD based systems

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MANSECT_CMD=man1
MANSECT_SYSCALL=man2
MANSECT_LIB=man3
MANSECT_FILEFORM=man5
MANSECT_HDR=man7
MANSECT_TABLES=man7
MANSECT_MACROS=man7
MANSECT_GAMES=man6
MANSECT_DEMOS=man6
MANSECT_DEVICE=man4
MANSECT_NETWORK=man4
MANSECT_ADMIN=man8
MANSECT_DRIVER=man4

MANSUFF_CMD=1
MANSUFF_SYSCALL=2
MANSUFF_LIB=3
MANSUFF_FILEFORM=5
MANSUFF_HDR=7
MANSUFF_TABLES=7
MANSUFF_MACROS=7
MANSUFF_GAMES=6
MANSUFF_DEMOS=6
MANSUFF_DEVICE=4
MANSUFF_NETWORK=4
MANSUFF_ADMIN=8
MANSUFF_DRIVER=4

#ident "@(#)Defaults.bsd-os 1.5 13/11/04  

###########################################################################
#
# global definitions for BSD/OS Systems
#
###########################################################################
#
# Compiler stuff
#
###########################################################################
#DEFCCOM=cc
#DEFCCOM=gcc

###########################################################################
#
# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used
#
###########################################################################
DEFLINKMODE=static

###########################################################################
#
# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings
#
###########################################################################
#CWARNOPTS=
DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=
#LDPATH=-L/opt/schily/lib
#RUNPATH=-Rs(INS_BASE)/lib -R/opt/schily/lib -Rs$(OLIBSDIR)Will probably not work

###########################################################################

---

Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 19198
# Installation config stuff
#

# INSTALLATION CONFIGURATION
#
#INS_BASE=/opt/schily
#INS_KBASE=/
#INS_RBASE=/
INS_BASE=/tmp/schily
INS_KBASE=/tmp/schily/root
INS_RBASE=/tmp/schily/root
#
DEFUMASK=002
#
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin

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   Version 2.1, February 1999

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Ty Coon, President of Vice

That's all there is to it!
#ident "@(#)Defaults.bsd-os31.5 13/11/04 "
################################################################################
#
# global definitions for BSD/OS Systems
#
################################################################################
#
# Compiler stuff
#
#DEFCCOM=cc
DEFCCOM=gcc

# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used

DEFLINKMODE=static

# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings

CWARNOPTS=

DEFINCDIRS=\$(SRCROOT)/include
DEFOSINCDIRS=
LDPATH=-L/opt/schily/lib
RUNPATH=-Rs(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR) Will probably not work

# Installation config stuff

INS_BASE=/opt/schily
INS_KBASE=/
INS_RBASE=/

DEFUMASK=002
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin

ident "@(#)os-bsd-os3.def1.2 06/05/14"

Written 1998 by J. Schilling

Global os definitions for BSD/OS
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# global definitions for BSD/OS Systems

# Compiler stuff

# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used

DEFLINKMODE=static

# Installation config stuff

# Open Source Used In 12.6(1) VOS assets for CCBU Projects (CentOS) 12.6(1) 19219
#INS_RBASE=/
INS_BASE=/tmp/schily
INS_KBASE=/tmp/schily/root
INS_RBASE=/tmp/schily/root
#
DEFUMASK=002
#
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin
#ident "(#)i386-bsd-os3-gcc.rul1.13 13/11/04 "

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include $(SRCROOT)/$(RULESDIR)/rules.prg

include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul
OSDEFS +=
CPPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)
KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fpic
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a
#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=-Wl,-R%)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN=shared-Wl,-soname,$(TARGET)
#LNDYNLIB=@$(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET)
$(PTARGET_BASE).so
LDOPTDYN=
LNDYNLIB=

#shlicc2 is not present on older or newer systems
#LDCC=@@echo "==> LINKING "$@""; shlicc2
LDCC=@@echo "==> LINKING "$@""; shlicc
#DYNLD=@@echo "==> LINKING dynamic library "$@""; gcc
DYNLD=
RANLIB=@@echo "==> RANDOMIZING ARCHIVE "$@""; ranlib
#ident "@(#)os-bsd-os.def 1.2 06/05/14 

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MANSTYLE=bsd
#ident "@(#)os-bsd-os3-cc.rul 1.13 13/11/04 

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include $(SRCROOT)/$(RULESDIR)/rules.prg
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul

OSDEFS +=
CPPPOPTS= -I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)

KDEFINES= -DKERNEL -D_KERNEL

#COPTDYN= -fpic
COPTDYN=
LIB_PREFIX= lib
LIB_SUFFIX= .a
#SHL_SUFFIX= .so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH= -lm
LIB_KVM=

#LDOPTS= $(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%= -Wl,-R%)
LDOPTS= $(LIBS_PATH) $(LDPATH)
#LDOPTDYN= -shared -Wl,-soname,$(TARGET)
#LNDYNLIB= @$(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET) $(PTARGET_BASE).so
LDOPTDYN=
LNDYNLIB=

#shlicc2 is not present on older or newer systems
#LDCC= @echo "===> LINKING "$@""; shlicc2
LDCC= @echo "===> LINKING "$@""; shlicc
#DYNLDM= @echo "===> LINKING dynamic library "$@""; gcc
DYNLD=
RANLIB=@echo "==> RANDOMIZING ARCHIVE "$@""; ranlib
#ident "@(#)i386-bsd-os-gcc.rul 1.15 13/11/04 "
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###########################################################################
include $(SRCROOT)/$(RULESDIR)/rules.prg
###########################################################################
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul
OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)
KDEFINE = -DKERNEL -D_KERNEL

# COPTDYN=-fpic
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a
#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=-Wl,-R%)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN=-shared -Wl,-soname,$(TARGET)
#LNDYNLIB=@$(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET)
LDOPTDYN=
LNDYNLIB=

RANLIB=@echo "==> RANDOMIZING ARCHIVE "$@""; ranlib
#ident "@(#)os-bsd-os.id	1.3 06/05/14 "
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_O_ARCH=$(OSREL:3.%=bsd-os3)
O_ARCH=-$(O_ARCH)
-O_ARCH=-$(O_ARCH)

1.1093 selinux 2.2.2 6.el7
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1.1095 axiom-dom 1.2.7

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

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

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

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

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

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END OF TERMS AND CONDITIONS

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1.1100 mariadb 5.5.56-2.el7

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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# Variable Name: license #
# Scope: Global #
# Access Type: Static #
# Data Type: string #
# # #
# Creation Date: 2008-02-07 #
# Author : Sharique Abdullah #
# # #
# Description: Test Cases of Dynamic System Variable license #
# that checks the behavior of this variable in the following ways #
# * Value Check #
# * Scope Check #
# #
# Reference: http://dev.mysql.com/doc/refman/5.1/en/ #
# server-system-variables.html #
# #
--echo '---------------------BS_STVARS_040_01----------------------#'
-- Displaying default value
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

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

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

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

-- Check if accessing variable with and without GLOBAL point to same variable
SELECT @@license = @@GLOBAL.license;
--echo 1 Expected
SELECT COUNT(@@license);
--echo 1 Expected

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

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

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

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

== MariaDB ==

The Debian package of MySQL was first debianized on 1997-04-12 by Christian Schwarz <schwarz@debian.org> and ist maintained since 1999-04-20 by Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

MariaDB can be downloaded from http://downloads.askmonty.org/mariadb/

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

That's all there is to it!

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

'#---------------------BS_STVARS_040_02----------------------#
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

'#---------------------BS_STVARS_040_03----------------------#
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES

WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected
'
#---------------------BS_STVARS_040_04----------------------#
SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected
'
#---------------------BS_STVARS_040_05----------------------#
SELECT COUNT(@@license);
COUNT(@@license)
1
1 Expected
SELECT COUNT(@@local.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@SESSION.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT license = @@SESSION.license;
ERROR 42S22: Unknown column 'license' in 'field list'
Expected error 'Readonly variable'
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1.1101 curl 7.29.0

1.1101.1 Available under license:

License Mixing

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

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

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### 1.1105 joda-time 2.9

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```
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```

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```
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**1.1111 gdb 7.6.1-114.el7**

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

That's all there is to it!
BEGIN{
FS="";
    print /* ==> Do not modify this file!!  "\n ".-* buffer-read-only: t -.* vi" \n ":set ro:";
    print " It is created automatically by copying.awk.";
    print " Modify copying.awk instead. <=== */; print "
    print "#include \"defs.h\""
    print "#include \"command.h\""
    print "#include \"gdbcmd.h\""
    print ""
    print "static void show_copying_command (char *, int);"
    print ""
    print "static void show_warranty_command (char *, int);"
    print ""
    print "void _initialize_copying (void);"
    print ""
    print "static void";
    print "show_copying_command (char *ignore, int from_tty);"
    print "{";
}
NR == 1./*[ ]*15\.
Disclaimer of Warranty\[ ]*$/
if ($0 ~ //)
  {
    printf " printf_filtered (\"\n\n\"; 
  }
else if ($0 !~ /*[ ]*15\.
Disclaimer of Warranty\[ ]*$/
  {
    printf " printf_filtered (\"\n\n\";
    for (i = 1; i < NF; i++)
printf "\"%s\"\n\n", $i;
    printf "\"%s\n\n\"", $NF;
  }
/* $Id: warranty.c,v 1.3 1999/05/05 13:47:37 sdegges Exp $ */

#include "config.h"
#include "util.h"
#include "stdio.h"
#include "stdlib.h"

extern const char *open_source_used_in;
extern char *open_source_used_for;

void add_cmd(char *name, char *usage, char *help, char *short_desc)
{
  add(cmdlist, name, usage, help, short_desc);
}

void add_info(char *name, char *usage, char *help, char *short_desc)
{
  add(info, name, usage, help, short_desc);
}

void _initialize_copying (void)
{
  add_cmd ("copying", no_set_class, show_copying_command,
   _("Conditions for redistributing copies of GDB."),
   &showlist);
  add_cmd ("warranty", no_set_class, show_warranty_command,
   _("Various kinds of warranty you do not have."),
   &showlist);

  /* For old-timers, allow "info copying", etc. */
  add_info ("copying", show_copying_command,
   _("Conditions for redistributing copies of GDB."));
  add_info ("warranty", show_warranty_command,
   _("Various kinds of warranty you do not have."));
}

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(For example, a function in a library to compute square roots has

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

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

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

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

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

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

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

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

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

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

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

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

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

@item Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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@end smallexample

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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Version 2, June 1991

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

Preamble

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License
Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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#! /usr/bin/env python

# Copyright (C) 2011-2013 Free Software Foundation, Inc.
#
# This file is part of GDB.
This script updates the list of years in the copyright notices in most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!
A useful command to review the output is:

```
% filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
```

This removes the bulk of the changes which are most likely to be correct.

```python
import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update."

    Assumes that the current working directory when called is the root of the GDB source tree (NOT the gdb/ subdirectory!). The names of the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%/s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
                    or reldirname in NOT_FSF_LIST
```
or reldirname in BY_HAND):
    # Prune this directory from our search list.
    dirs.remove(dirname)
for filename in files:
    relpath = "%s/%s" % (root, filename)
    if (filename in EXCLUDE_ALL_LIST
        or relpath in EXCLUDE_LIST
        or relpath in NOT_FSF_LIST
        or relpath in BY_HAND):
        # Ignore this file.
        pass
    else:
        result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.
    We use gnulib's update-copyright script for that.
    """
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'
    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list
    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                        stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)

    for line in update_out:
if line.endswith('in'):
    line = line[:-1]
if line.endswith(warning_string):
    filename = line[:-warning_len]
    if may_have_copyright_notice(filename):
        print line
else:
    # Unrecognized file format. !?!
    print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
directory.

    The algorithm is fairly crude, meaning that it might return
    some false positives. I do not think it will return any false
    negatives... We might improve this function to handle more
    complex cases later...
    """
    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
    if lineno > 50:
        return False
    return False

def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
update_files (update_list)

# Remind the user that some files need to be updated by HAND...
if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand.\033[0m" \n    for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
        print "  ", filename

############################################################################

# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
############################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = ( 
    'gdb/CONTRIBUTE',
    'gdb/gnulib'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = ( 
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c", 
    "fdl.texi", "gpl.texi", "aclocal.m4".
)

# The list of files to update by hand.
BY_HAND = ( 
    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
)
# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.

MULTIPLE_COPYRIGHT_HEADERS = (  
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (  
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armmenu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcoproc.c", "sim/arm/armmenu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armsfp.c",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-acfp.c",
    "sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
    "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
    "sim/erc32/exec.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(.
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/idecode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gdbhost.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
    "sim/ppc/hw_pb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/gdbhost.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/std-decode.h",
    "sim/ppc/filter_filenam.h", "sim/ppc/hw_shm.c",
    "sim/ppc/pk_disklabel.c", "sim/ppc/pk-simple", "sim/ppc/misc.h",
    "sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
    "sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
    "sim/ppc/hw_ide.c", "sim/ppc/debug.c", "sim/ppc/gdbhost.c",
    "sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",}
"sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/ld-cache.c",
"sim/ppc/registers.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
"sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
"sim/ppc/emul_chirp.h", "sim/ppc/hw_register.c", "sim/ppc/hw_init.c",
"sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
"sim/ppc/bits.c", "sim/ppc/decode_fields.h", "sim/ppc/hw_memory.c",
"sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
"sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
"sim/ppc/pic-instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/ld-cache.h",
"sim/ppc/mon.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
"sim/ppc/INSTALL", "sim/ppc/gen-model1.c", "sim/ppc/hw_cpu.c",
"sim/ppc/corefile.c", "sim/ppc/hw_opic.c", "sim/ppc/gen-icache.c",
"sim/ppc/events.h", "sim/ppc/os_emul.c", "sim/ppc/emul_generic.c",
"sim/ppc/main.c", "sim/ppc/hw_com.c", "sim/ppc/gen-semantics.c",
"sim/ppc/emul_bugapi.c", "sim/ppc/device.c", "sim/ppc/emul_generic.h",
"sim/ppc/tree.c", "sim/ppc/mon.h", "sim/ppc/interrupts.h",
"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",
"sim/ppc/device_table.c", "sim/ppc/lf.c", "sim/ppc/lf.c",
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",
"sim/ppc/hw_htab.c", "sim/ppc/lf.h", "sim/ppc/ld-decode.c",
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",
"sim/ppc/decode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)

if __name__ == "__main__":
    main()
@c The GNU Free Documentation License.
center Version 1.3, 3 November 2008
@c This file is intended to be included within another document,
c hence no sectioning command or @node.
@display
@uref{http://fsf.org/}
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
@end display
@enumerate 0
@item
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<br>
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<H2 CLASS="title"><A NAME="INTRO">Introduction</A></H2>

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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1.1115 nss 3.19.1-4.el7_1

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1.1117 commons-lang3 3.4

1.1118 antlr-runtime 4.6
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Found in path(s):
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atan/Transition.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/tree/pattern/Chunk.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/misc/NotNull.java
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atan/ArrayPredictionContext.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/CommonTokenFactory.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atan/LookaheadEventInfo.java
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/BufferedTokenStream.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/CommonTokenStream.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/Recognizer.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/ContextSensitivityInfo.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/LexerPopModeAction.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/StarLoopEntryState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/ANTLRFileStream.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/XPathWildcardElement.java
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/terminal/TerminalNode.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/LexerInterpreter.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/IntStream.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/AbstractPredicateTransition.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/tree/ParseTreeVisitor.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/misc/IntegerStack.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/tree/pattern/ParseTreePattern.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/tree/DecisionEventInfo.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/BaseErrorListener.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/ATNConfig.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/LexerSkipAction.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/misc/Predicate.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/dfa/DFAState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/tree/xpath/XPathWildcardAnywhereElement.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/antlr/v4/runtime/tree/pattern/ParseTreeMatch.java
1.1119 nfs-utils 1.3.0-0.21.el7

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1.1121 glibc 2.17

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1.1123 commons-digester 2.1

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1.1124 jetty-http 9.4.20.v20190813

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.1125 javax-inject 2.5.0-b32

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* /opt/cola/permits/1110667136_1606842286.36/0/javax-inject-2-5-0-b32-sources-1-jar/pom.xml
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* /opt/cola/permits/1110667136_1606842286.36/0/javax-inject-2-5-0-b32-sources-1-jar/javax/inject/Provider.java

1.1126 jackson-mapper-asl 1.9.2

1.1127 zlib 1.2.8

1.1127.1 Available under license:
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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1.1128 xmlsec-java 1.5.6

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1.1141 ppp 2.4.5

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* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/scheduling/quartz/SimpleThreadPoolTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/scheduling/commonj/TimerManagerAccessor.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/scheduling/commonj/TimerManagerFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/ui/velocity/VelocityEngineFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactoryBean.java
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  jar/org/springframework/scheduling/quartz/SimpleTriggerBean.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/scheduling/quartz/ResourceLoaderClassLoadHelper.java
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  jar/org/springframework/scheduling/quartz/JobDetailBean.java
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  jar/org/springframework/scheduling/quartz/AdaptableJobFactory.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/scheduling/quartz/JobDetailAwareTrigger.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-jar/org/springframework/scheduling/quartz/LocalTaskExecutorThreadPool.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-jar/org/springframework/mail/javamail/JavaMailSenderImpl.java
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* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-jar/org/springframework/scheduling/quartz/SchedulerContextAware.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-jar/org/springframework/scheduling/quartz/CronTriggerBean.java
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1.1144 traceroute 2.0.22-2.el7

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1.1148 axis2-xmlbeans 1.4

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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*
* Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.
*  
* See [RxJavaPlugins] or the RxJava GitHub Wiki for information on configuring plugins:
*  
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OnSubscribeDelaySubscription.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorSwitch.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/atomic/SpscLinkedArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorDelayWithSelector.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorBufferWithStartEndObservable.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/util/RxThreadFactory.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorDistinct.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OnSubscribeTimerPeriodically.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OnSubscribeTimerOnce.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/schedulers/NewThreadWorker.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorMapPair.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorDebounceWithTime.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OnSubscribeRefCount.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/util/FrontPadding.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorWindowWithStartEndObservable.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorWindowWithSize.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorSampleWithObservable.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorEagerConcatMap.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorTakeTimed.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorBufferWithSingleObservable.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorDistinctUntilChanged.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/schedulers/ScheduledAction.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorWindowWithObservableFactory.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorOnBackpressureLatest.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorWindowWithObservable.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorRetryWithPredicate.java

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OperatorBufferWithSize.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/util/PlatformDependent.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/util/SynchronizedQueue.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OnSubscribeDelaySubscriptionWithSelector.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OperatorDoAfterTerminate.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OperatorMulticast.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OnSubscribeDelaySubscriptionOther.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/util/RxJavaPluginUtils.java

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/singles/BlockingSingle.java

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/BlockingOperatorNext.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/subjects/Subject.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/CompletableOnSubscribeTimeout.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/schedulers/GenericScheduledExecutorService.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorToMap.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorUnsubscribeOn.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/subscriptions/Subscriptions.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorToObservableList.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeArray.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OnSubscribeFromArray.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-
jar/rx/subjects/ReplaySubject.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/subjects/PublishSubject.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorSingle.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorTimeoutWithSelector.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/Scheduler.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/QueuedValueProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/BackpressureUtils.java

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 * core/src/main/java/org/jctools/queues/SpscUnboundedArrayQueue.java
 */

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This package contains code that relies on sun.misc.Unsafe. Before using it you MUST assert
UnsafeAccess.isUnsafeAvailable() == true

Much of the code in this package comes from or is inspired by the JCTools project:
https://github.com/JCTools/JCTools

JCTools has now published artifacts (https://github.com/JCTools/JCTools/issues/17) so RxJava could add JCTools
as a "shadow" dependency (https://github.com/ReactiveX/RxJava/issues/1735).
RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an
externally visible dependency that results in a separate jar.

The license for the JCTools code is https://github.com/JCTools/JCTools/blob/master/LICENSE

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### 1.1167 junit 4.8.2

### 1.1168 feign-jackson 8.15.1

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